



# Government Degree College


(Accredited By Naac With 'B' Grade)

Pattikonda, Kurnool (Dt), A.P. 518380.



| Academic Year 2018-19 |   |                                 |                    |   |
|-----------------------|---|---------------------------------|--------------------|---|
| S.No                  | Name of Add on / Certificate Programs offered | Name of the Department          | Duration of Course | Number of Students enrolled in the year |
| 1.                    | Mushroom Cultivation                          | Department of Botany            | 45                 | 25                                      |
| 2.                    | Basic of C++                                  | Department of Computer Science  | 38                 | 40                                      |
| 3.                    | Communication Skills                          | Department of English           | 35                 | 40                                      |
| 4.                    | Critical Thinking & Problem Solving           | Department of Mathematics       | 45                 | 25                                      |
| 5.                    | Soil Testing                                  | Department of Chemistry         | 45                 | 24                                      |
| 6.                    | Agriculture and Industrial Development        | Department of Economics         | 45                 | 20                                      |
| 7.                    | Evolution of Telugu Cinema and Script Writing | Department of History           | 30                 | 20                                      |
| 8.                    | AC and DC Appliances                          | Department of Physics           | 30                 | 20                                      |
| 9.                    | Indian Government and Politics                | Department of Political Science | 45                 | 15                                      |
| 10.                   | Utilizing Telugu Software's in Telugu DTP     | Department of Telugu            | 30                 | 40                                      |
| 11.                   | Poultry Broiler Management                    | Department of Zoology           | 45                 | 20                                      |



  
**Dr. R. MADHURI**, M.Sc., M.Phil., Ph.D.,  
PRINCIPAL  
Government Degree College  
PATTIKONDA., Kurnool Dist., A.P.

# **Government Degree College, Pattikonda, Kurnool dist.**



## **Department of Botany Certificate Course on Mushroom Cultivation 2018-2019**



**Dr.A.Lakshmaiah  
Lecturer in Botany  
Course Co-ordinator  
Govt. Degree College  
Pattikonda.**



2018-2019

1. Name of the institution : Govt. Degree College, Pattikonda.

2. Title of the course : Mushroom cultivation

3. Co-ordinator/s : Dr.A.Lakshmaiah

Department of Botany

4. Duration /Tenure : 45 Days



**GOVERNMENT DEGREE COLLEGE, PATTIKONDA**  
**PROPOSAL FOR THE INTRODUCTION OF CERTIFICATE COURSE ON**  
**"MUSHROOM CULTIVATION"**

DATE: 15/11/2018

From  
Dr. A. Lakshmaiah  
Lecturer in Botany  
& Head of the Department  
Govt. Degree College  
Pattikonda, Kurnool Distt.

To  
The Principal,  
Govt. Degree College, Pattikonda  
Kurnool Dist.

Respected Madam,

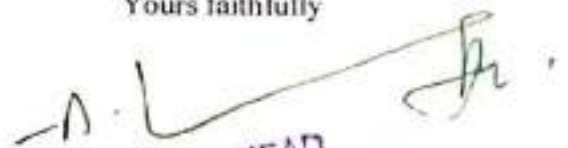
I would like to inform you that our college Botany department like to organize a certificate course on "**Mushroom Cultivation**". This course is a now a days having a little bit demand and for employment and also facilitates self-employment to the outgoing B.Sc.; BZC students of our college. The Department of Botany is excited to start the course taking into account of all of these factors with your support and encouragement. This is for your kind information and approbation.

Thanking you madam.

The details or the program are

- |   |                                  |
|---|----------------------------------|
| 1. Name of the proposed program           | : Mushroom Cultivation           |
| 2. Course co-ordinator                    | : Dr.A.Lakshmaiah                |
| 3. Duration and timings of the program    | : 45days; daily 4-5 PM           |
| 4. Start date of the program              | : 20 <sup>th</sup> November 2018 |
| 5. Course fee                             | : 100/-                          |
| 6. No. of students expected for admission | : 25                             |

Yours faithfully



**HEAD**  
Department of Botany  
Government Degree College  
Pattikonda-518 300 Kurnool Dist

# GOVERNMENT DEGREE COLLEGE, PATTIKONDA

Department Of BOTANY

Minutes of the Department meeting for the conduct of  
Certificate Course in Mushroom cultivation

Date: 10/11/2018

The Department of Botany, a leader in catering to student needs, has made the decision to widen opportunities for individuals graduating from our College. There is a considerable need for new graduates with advanced skills due to the expanding job market, which has been particularly visible in the global sector. With the straightforward objective of equipping graduating students with the requisite practical skilled abilities, the Department of Botany has taken the initiative to provide a Certificate Course in Mushroom cultivation. On 10-11-2018 The Department of Botany Convened a meeting with its members and the conference was led by the department head Dr. A. Lakshmaiah and attended by Sri K. Sippi Isaac and - lecturers in Botany. The Department unanimously decided to organize the Certificate Course in Mushroom cultivation for degree-seeking students at our College, with the lecturers serving as the course instructors and the Department Head serving as chairman. As promised, the Certificate Course would be span of 45 days.

1. Sri / Dr A. Lakshmaiah, Head of the Department :

2. Sri / Dr K. Sippi Isaac, Lecturer in Botany :



A. Lakshmaiah  
HEAD  
Department of Botany,  
Government Degree College  
Pattikonda-518 380, Kurnool Dist

K. Sippi Isaac  
LECTURER  
DEPARTMENT OF BOTANY  
GOVT. DEGREE COLLEGE  
PATTIKONDA-518 380, Kurnool Dt.  
Principal  
GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
Kurnool Dist. A.P.





# Government Degree College

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Pattikonda, Kurnool (Dt), A.P. 518380.



GOVERNMENT DEGREE COLLEGE, PATTIKONDA.


DEPARTMENT OF BOTANY

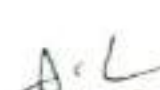
## Circular

Date: 14/11/2018

All the B.Sc; BZC final year degree students are hereby informed that the Department of Botany is going to start a certificate course in Mushroom Cultivation. The duration of the course is 45 days. Students need not pay any fee for the course. The classes will commence from 20/11/2018 and Interested students are required to register their names in the Botany Department. After successful completion of the course certificate will be provided to the students.

  
Head of the Department

  
HEAD  
Department of Botany  
Government Degree College  
Pattikonda-518 380, Kurnool Dist

  
Coordinator's  
LECTURER  
DEPARTMENT OF BOTANY  
GOVT. DEGREE COLLEGE  
PATTIKONDA-518 380, Kurnool Dt.



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## CERTIFICATE COURSE

On

# MUSHROOM CULTIVATION

### INTRODUCTION

It is well known that the 20th century was an explosive time for the accumulation of knowledge. Modern technology for human civilization is expanding every day. However, man is still facing three basic problems: shortage of food, pollution of the environment, and low quality of human health, due to the continued increase of the world population. The 20th century began with 1.6 billion people and ended with 6 billion inhabitants. The growing world population is increasing by about 80 million people per year. Inadequate regional food supplies, low quality of health, and increasing environmental deterioration are three key underlying problems affecting the future well-being of humankind. The magnitude of these problems is set to increase as the world's population continues to grow. There are other ways to subsidise the food problem and to increase the food productivity. One of the ways to enhance the food production or copup the food problem is mushroom culture.

Mushrooms are the fruiting bodies of macrofungi. They include both edible/medicinal and poisonous species. However, the word "mushroom" was used for the edible members of macrofungi and "toadstools" for poisonous ones. Scientifically the term "toadstool" has no meaning at all. It has been proposed in order to avoid confusion between terms edible, medicinal and poisonous mushrooms. Edible mushrooms once called the "food of the gods" and still treated as a garnish or delicacy can be taken regularly as part of the human diet or be treated as healthy food or as functional food. The extractable products from medicinal mushrooms, designed to supplement the human diet not as regular food, but as the enhancement of health and fitness. These are being classified into the category of dietary supplements/mushroom nutraceuticals.

Mushrooms are very nutritious products that can be generated from ligno-cellulosic waste materials; and are rich in crude fibre and protein. In fact, mushrooms also contain low fat, low calories and good vitamins. In addition, many mushrooms possess multi-functional medicinal properties.

The spent substrate left after harvesting the mushrooms, which is entangled with innumerable mushroom threads (collectively referred to as mycelia) will have been biochemically modified



by the mushroom enzymes into a simpler and more readily digestible form, which is thus more palatable to livestock, when used as a livestock feed supplement. Additionally, it will significantly have been enriched with protein, by virtue of the remains of the protein-rich mycelia, left after harvesting the mushroom fruiting bodies. The residue could also be utilized as organic garden mulch, which is good for the soil.

Mushroom cultivation has great scope in China, India and in some of the other developing countries. Because, the cheap and easily available raw materials needed for this activity, coupled with faster means of communication and marketing (as a fresh commodity), and better purchasing power of the people. Since the cultivation of mushrooms deals with living organisms, one should consider, the mushroom itself, and of the various micro-organisms growing with it (including both the harmful and beneficial ones), but also the physical and biochemical natures of the substrates. Therefore, the cultivation methods must be tailored in accordance with the prevailing unique natural resources, heritage, local climate, and socio-economic conditions of each farming community. All these considerations call for a critical mass of well trained mushroom scientists and mushroom growers.

The key objectives will be, firstly, to develop *Pleurotus* (oyster) mushrooms as additional, highly nutritious vegetable crop. We should start with this because is easy to grow and they are also high in protein apart from medicinal qualities. A comprehensive training programme for both researchers and mushroom growers will need to be formulated. The identified team of researchers will be brought together for an intensive training course, which will equip them with more skills on how to train others, and also help them on how to succeed in this promising venture. Mushroom farming is both a science and an art. The science, in its broad form, will come through training workshops/courses. The art will come through practical involvement and experience, and will have to be modified in accordance with the prevailing conditions on site. The potential of mushroom farming in generating new employment opportunities is another positive element emanating from mushroom farming ventures, which can be labour intensive.

This programme will aim at providing initial skills for cottage level mushroom production. Later, large scale development can be expected to lead to the establishment of commercial mushroom farms, and international marketing ventures. Due to advances in both basic knowledge and practical technology relevant to mushroom farming (mushroom themselves), mushroom products (mushroom derivatives) and mushroom bioremediation (mushroom mycelia), these principles can be applied globally. Thus the training activities (workshops and



courses) need to be supported by Governments for providing self employment and development of entrepreneurship especially to the rural and downtrodden people.

### Opportunities

- Imparting training to farmers and entrepreneurs for income as well as employment generation.
- Sale of mushroom as well as spawn and technical consultancy.

### Objectives

- To conduct the certificate course on Mushroom cultivation
- To conduct maximum number of training programmes on mushroom cultivation technologies.
- To standardize the curriculum for Mushroom cultivation for present day needs in the society
- To establish a demonstration and resource centre.
- To organize workshops at the time of fruiting in demonstration beds to increase awareness in society towards benefits of mushroom consumption.
- To provide the Hands-on training for the preparation of bed, cultivation, maintenance of the pest, controlling the diseases, harvesting, packing and its commercialization.
- To Produce the commercial spawn of Oyster mushroom
- To conduct awareness among the rural people especially economically backward farmers or rural unemployment youth.
- To enhance technical skills among the trainees for producing high yield and quality.

The main aim of the Course is to impart the knowledge on Mushrooms and its nutritional values. The course also provide hands on training in different stages of Mushroom Culture and gain practical experience in spawn production required for Mushroom culture. At the end of the Certificate Course, Participants will get substantial experience on Mushroom Culture Business and they will be in a position to start-up a self enterprise in Mushroom Cultivation. Hence, based on the above objectives the curriculum of the Course has been designed with the following contents.

    
HEAD  
Department of Botany  
Government Degree College  
Pattikonda-518 380 Kurnool Dist

## SYLLABUS

### MUSHROOM CULTIVATION

CERTIFICATE COURSE FOR THE YEAR- 2018-2019

#### Unit-1

1. Mushroom definition and brief structure of mushrooms.
2. Types of mushrooms: Button mushrooms, Oyster mushrooms and Milky mushrooms
3. Nutritional values and medicinal values of mushrooms. Differences between edible and poisonous mushrooms. Poisonous mushrooms and harmful effects.
4. Types of mushroom units: small village unit and large commercial unit.
5. Lay out of mushroom farm, facilities, equipment and materials required for mushroom cultivation.

#### Unit-2

1. Compost definition and compost preparation
2. Spawn definition and preparation of spawn for mushroom culture.
3. Casing definition materials required for preparation of casing mixtures .Importance of casing.
4. General problem in cultivation of mushrooms and management of problems in mushroom cultivation.
5. Cropping, packing and preservation of mushrooms.
6. Quality assurance and entrepreneurship of mushrooms.

  
HEAD  
Department of Botany,  
Government Degree College  
Bemkonda 518 330 Kurnool Dist

# MUSHROOM CULTIVATION

CERTIFICATE COURSE FOR THE YEAR- 2018-2019

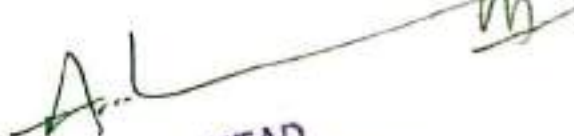
## Question Paper

Answer any five question from the given below

Each question carries equal marks

5X10 =50M

1. Define the mushrooms and write the structure of mushrooms?
2. Write essay on different types of mushrooms that you studied?
3. Write essay on nutritional and medicinal values of the mushrooms?
4. a. Differences between edible and poisonous mushrooms  
b. Harmful effects of poisonous mushrooms
5. Define compost and write about the various steps involved in the preparation of compost?
6. Define spawn and how do you prepare the spawn for mushroom culture?
7. Write essay on problems in mushroom cultivation and problems in management of mushroom cultivation?
8. Write about the cropping, packing and marketing methods of mushrooms?

  
HEAD  
Department of Botany  
Government Degree College  
Pattikonda-518 339 Kurnool Dist





# List of students Registered for Certificate Course 2018-19

## Department of Botany

| S.No | Name of the Students R.M.         | Signature        |
|------|-----------------------------------|------------------|
| 1    | Boya Obulesu<br>163048001         |                  |
| 2    | Binigeri Ajay kumar<br>8002       | B. Ajay kumar    |
| 3    | Byrugonda Rama Chandrappa<br>8003 | B. Chandrappa    |
| 4    | Chayapogu Veeresh Babu<br>8004    | C. Veeresh Babu  |
| 5    | Dhevagiri Alivelimanga<br>8005    | D. Alivelimanga  |
| 6    | Ediga Rangeswari<br>8006          | E. Rangeswari    |
| 7    | Gajula Basavaraju<br>8007         | G. Basavaraju    |
| 8    | Golla Lakshmamma<br>8008          | G. Lakshmamma    |
| 9    | Giripogula Ramadevi<br>8009       | G. Ramadevi      |
| 10   | Golla Chandranna<br>8010          | G. Chandranna    |
| 11   | Golla Dhanalakshmi<br>8011        | G. Dhanalakshmi  |
| 12   | Golla Lakshmamma<br>8012          | G. Lakshmamma    |
| 13   | Gorava Ravi Kumar<br>8013         | G. Ravi Kumar    |
| 14   | Gummala Pavan<br>8014             | G. Pavan         |
| 15   | Gurram Girija<br>8015             | G. Girija        |
| 16   | Kuruva Uma<br>8016                | K. Uma           |
| 17   | Kuruva Dileep Kumar<br>8017       | K. Dileep Kumar  |
| 18   | Kuruva Raj Kumar<br>8018          | K. Raj Kumar     |
| 19   | Kuruva Sanjeevaraidu<br>8019      | K. Sanjeevaraidu |
| 20   | Likki Kamala<br>8020              | L. Kamala        |
| 21   | Mala Chadravathi<br>8021          | M. Chadravathi   |
| 22   | M. Sunitha<br>8022                | M. Sunitha       |
| 23   | Madiga Shirisha<br>8023           | M. Shirisha      |
| 24   | Mala Lakshmi<br>8024              | M. Lakshmi       |
| 25   | Mala Rangavenamma<br>8025         | M. Rangavenamma  |



HEAD  
Department of Botany,  
Government Degree College  
Pattikonda-518 380, Kurnool Dist





2014 - 2019

REGISTER OF ATTENDANCE & FEES

22

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# Government Degree College, Pattikonda, Kurnool Dist. A.P.



Re-Accredited with "B" Grade By NAAC  
Affiliated to Rayalaseema University-Kurnool

Department of Botany

*Certificate Course on "Mushroom Cultivation"*

## ***Certificate Of Participation***

This is to certify that Mr./Miss/ Mrs. \_\_\_\_\_ Student of

III B.Sc , BZC of Government Degree College, Pattikonda has successfully completed the certificate course in Mushroom Cultivation organized by Department of Botany ,Government Degree College ,Pattikonda, Kurnool dist. From 20/11/2018 to 05/01/2019.

Course co-ordinator/s

Principal

**Government Degree College, Pattikonda.**

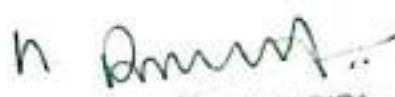
**Department of Botany.**

**Final Report of Certification Course in Mushroom Cultivation.**

Mushroom Cultivation certificate course was developed by the Department of Botany with the help of the Principal, Dr. M. Purushotham Reddy, for the College's students. By offering a certificate course in Mushroom Cultivation for 45 days, the Department of Botany has made a modest start in its effort to teach and enhance the students with practical knowledge of the cultivation of mushrooms. The primary goal of the course, as previously decided, was to impart Mushroom Cultivation knowledge to the departing pupils. The demands of the final year students are taken into consideration when creating the course's fundamental framework. The aforementioned course began on 20th November 2018, and ended on 5th January, 2019. The pupils' response was very positive. The Seminar Hall was crowded with eager students for its first presentation.

The principal, Dr. M. Purushotham Reddy, spoke to the students and informed them of the significance of cultivation of Mushrooms in both the social and business spheres. He also praised the work of the department of Botany and complimented Dr. A. Lakshmaiah HOD and Sri K. Sippi Isaq, lecturer, who served as the course coordinator. The course had a high turnout of students. Regular attendance for the classes, which ran from 04.00 PM to 5:00 PM, was 25 students.

The sessions were engaging, educational, and fascinating. The students were able to comprehend how to learn and understand cultivation of mushrooms with the use of hands-on activities, films, handouts, seminars, quizzes, suggested books, and engaging exercises. The pupils' confidence level was raised via brainstorming sessions, discussions, group exercises, and presentations. The complete course took place. The Course ran its entire course of 45 days and also took informal inputs from the students for making the course better next time. After the successful completion of the said Certificate course, a valedictory function was held and the Principal of the College, Dr. M. Purushotham Reddy graced the occasion and awarded the certificates to the students. The meeting was presided over by the HOD (Botany), Dr. A. Lakshmaiah. At the end of program Sri K. Sippi Isaq, Lecturer in Botany, proposed the vote of thanks.

  
PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518380  
Kurnool Dist. A.P.

  
HEAD  
Department of Botany  
Government Degree College  
Pattikonda-518380 Kurnool Dist.

**Government Degree College**

**Pattikonda, Kurnool (Dt).**

**Department of Computer  
Science**



**A Certificate course in  
Basics of C++  
for the year-2018-19**



**GOVERNMENT DEGREE COLLEGE, PATTIKONDA**

**Proposal for the Introduction of Certificate**

**Course in  
Basics of C++**

**Date: 30-07-2018**

**From**  
B.Rajender,  
Lecturer in C.S,  
Head of Department  
Govt. Degree College  
Pattikonda, Kurnool (Dt).

**To**  
The Principal,  
Govt. Degree College, Pattikonda  
Kurnool (Dt).

**Respected Sir,**

I would like to suggest that the department of Computer Science is going to organize a certificate Course in Basics of C++ basing on the demands of departing students. The Department of Computer Science is excited to start the course.

**The details or the program are**

- |   |                                |
|---|--------------------------------|
| 1. Name of the proposed program           | : Basics of C++                |
| 2. Duration and timings of the program    | : 38 days                      |
| 3. Start date of the program              | : 01 <sup>st</sup> August 2018 |
| 4. Course fee                             | : free                         |
| 5. No. of students expected for admission | : 40                           |

**Yours faithfully**

  
Lecturer in Computer Science  
Govt. Degree College  
PATTIKONDA-518 380.  
Kurnool Dist. A.P

**Head of Department Computer Science**


  
PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
Kurnool Dist A P

# Government Degree College, Pattikonda.

## Department of Computer Science

Date: 30-07-2018


It is informed that all II B.Sc (Computer Science) and III B.Sc (Computer Science) students to attend the "Certificate course on Basic of C++" during 01-08-2018 to 14-09-2018. Hence I request all the concerned faculties to inform the same to students and make them to take part effectively.

  
Coordinator  
Lecturer in Computer Science  
Govt. Degree College  
PATTIKONDA-518 380.  
Kurnool Dist. A.P

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PATTIKONDA-518 380  
Kurnool Dist A P


**GOVERNMENT DEGREE COLLEGE, PATTIKONDA**  
**Department of Computer Science**  
**Minutes of the Department meeting for the conduct of**  
**Certificate Course in Basics of C++**

Date: 30-07-2018

The Department of Computer Science, a leader in catering to student needs, has made the decision to widen opportunities for individuals graduating from our College. There is a considerable need for graduates with Programming in C++ skills due to the expanding job market, which has been particularly visible in the globalized sector. With the straightforward objective of equipping graduating students with the requisite practical C++ programming skills, the Department of Computer Science has taken the initiative to provide a Certificate Course in Basics of C++.

On 30-07-2018, the Department of Computer Science held a meeting with its members on the College's property. The conference was led by the department head, B.Rajender, The Department unanimously decided to organize the Certificate Course in Basics of C++ for degree-seeking students at our College, with the lecturers serving as the course instructors and the Department Head serving as chairman. As promised, the Certificate Course would span 38 days.

1. Sri B.Rajender, Head of the Department :  
Lecturer in Computer Science  
Govt. Degree College  
PATTIKONDA-518 380.  
Kurnool Dist. A.P

  
Principal  
PRINCIPAL  
GOVT DEGREE COLLEGE  
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Kurnool Dist A P



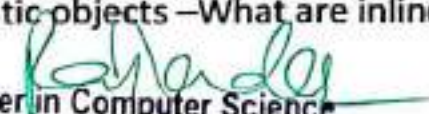
# A Certificate Course In Basics of C++ SYLLABUS

**Unit-I :Introduction to Programming** –Program and Programming –Programming Languages –Types of software’s Operating Systems –Dos commands –Basic Linux commands and vi editor –Compiler, Interpreter, Loader and Linker Fundamentals in C++ –History of 'C++' –Migrating from procedural oriented language –to object oriented languages Program –Keywords –Variables –Constants –Data type –Operators –Manipulators and uses –Basic Structure of a 'C++' program Control statements –Conditional Control Statements –if –if-else –nested if-else –else-if ladder –Multiple Branching Control Statement –switch-case –Loop Control Statements –while –do-while –for –Nested Loops –Jump Control statements

**Unit –II:** Break –continue –goto –exit –return –Programming Examples Pointer array Reference –pointer variable –Reference variable/alias variables? –Reference to Reference variable? –Reference to array? –Reference vs normal variable? –Reference vs pointer variable? –1D and 2D Arrays –What is dynamic memory allocation? –The new and delete operator –new vs malloc –delete vs free –Dynamic 1D and 2D Arrays.

**Unit-III : Classes and Objects** –Declaring / defining classes –Data members and member functions –Access specifiers : public and private and protected –Creating objects of a class –Pointers to object –Implicit this pointer –Static data members –Static member functions –Passing objects to a member function –Returning objects from a member function –Friend functions –Friend classes –Nested classes –Local classes –The const member functions –The const objects –Array of objects –static objects –What are inline functions?


1.


  
Lecturer in Computer Science  
Govt. Degree College  
PATTIKONDA-518 380.  
Kurnool Dist. A.P

  
PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
Kurnool Dist A P

## List of students Registered for Basics of C++ 2018-19

| S.No | Name of the Students          |
|------|-------------------------------|
| 1    | Achukatla Reshma              |
| 2    | Alarudinne Balaramudu         |
| 3    | Avula Nagendra                |
| 4    | Belaganti Suresh              |
| 5    | Bestha. Dana Veera Sura Karna |
| 6    | Borra Lingamma                |
| 7    | Boya Bhaskar                  |
| 8    | Boya Ramakrishna              |
| 9    | Boya Veeranjanyulu            |
| 10   | Chakali Adilakshmi            |
| 11   | Chakali Vinod Kumar           |
| 12   | Devagattu Surendra            |
| 13   | Dudekula Mumeena              |
| 14   | Ediga Pavan Kumar Goud        |
| 15   | Gujjala Raghu                 |
| 16   | Gutal Jakcer Hussain          |
| 17   | Kadigonda Raja Sekhar         |
| 18   | Kosigi Mounika                |
| 19   | Kotamalinga Upendra           |
| 20   | K. Ramanjineyulu              |
| 21   | Kummari Eresh                 |
| 22   | Kuruva Ashok                  |
| 23   | Kuruva Kumar                  |
| 24   | Kuruva Nownepati              |
| 25   | Machineni Sravani             |
| 26   | Nallabothula Madhu            |
| 27   | Nandana Lelavathi             |
| 28   | P.T.Ushasree                  |
| 29   | Shaik Ajith Basha             |
| 30   | Shaik Enayathulla             |
| 31   | Shaik Jeelan Basha            |
| 32   | S.Mahammed Tippu Sulthan      |
| 33   | Talari Anuradha               |
| 34   | Tuppati Nagalakshmi           |
| 35   | Vadde Rangaswamy              |
| 36   | Vadde Saivenkataprasada Raju  |
| 37   | V.Shiva                       |
| 38   | Vadde Sumalatha               |
| 39   | Vadde Venkatesh               |
| 40   | Achukatla Reshma              |

  
 Lecturer in Computer Science  
 Govt. Degree College  
 PATTIKONDA-518 380.  
 Kurnool Dist. A.P

  
 PRINCIPAL  
 GOVT DEGREE COLLEGE  
 PATTIKONDA-518 380  
 Kurnool Dist A P



# REGISTER OF ATTENDANCE & FEES

FOR THE MONTH OF August 2012

CLASSIC

Name of the Institute

Section

Place

| Sl. No. | Admission No. | NAMES           | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   | 16   | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 24  | 25  | 26   | 27   | 28   | 29   | 30   | 31   | No. of days present | FEES Rs. P. | Date of payment |
|---------|---------------|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|---------------------|-------------|-----------------|
|         |               |                 | 16/8 | 17/8 | 18/8 | 19/8 | 20/8 | 21/8 | 22/8 | 23/8 | 24/8 | 25/8 | 26/8 | 27/8 | 28/8 | 29/8 | 30/8 | 31/8 | 1/9 | 2/9 | 3/9 | 4/9 | 5/9 | 6/9 | 7/9 | 8/9 | 9/9 | 10/9 | 11/9 | 12/9 | 13/9 | 14/9 | 15/9 |                     |             |                 |
| 1.      |               | A. Rethma       | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P   | P   | P   | P   | P   | P   | P   | P   | P   | P    | P    | P    | P    | P    | P    |                     |             |                 |
| 2.      |               | A. Balaraman    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P   | P   | P   | P   | P   | P   | P   | P   | P   | P    | P    | P    | P    | P    | P    |                     |             |                 |
| 3.      |               | A. Nagesh       | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P   | P   | P   | P   | P   | P   | P   | P   | P   | P    | P    | P    | P    | P    | P    |                     |             |                 |
| 4.      |               | B. Suresh       | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P   | P   | P   | P   | P   | P   | P   | P   | P   | P    | P    | P    | P    | P    | P    |                     |             |                 |
| 5.      |               | B. Dhanu        | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P   | P   | P   | P   | P   | P   | P   | P   | P   | P    | P    | P    | P    | P    | P    |                     |             |                 |
| 6.      |               | B. Linganna     | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P   | P   | P   | P   | P   | P   | P   | P   | P   | P    | P    | P    | P    | P    | P    |                     |             |                 |
| 7.      |               | B. Thaksh       | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P   | P   | P   | P   | P   | P   | P   | P   | P   | P    | P    | P    | P    | P    | P    |                     |             |                 |
| 8.      |               | B. Ramakrishna  | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P   | P   | P   | P   | P   | P   | P   | P   | P   | P    | P    | P    | P    | P    | P    |                     |             |                 |
| 9.      |               | B. Venkateswara | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P   | P   | P   | P   | P   | P   | P   | P   | P   | P    | P    | P    | P    | P    | P    |                     |             |                 |
| 10.     |               | C. Adilakshmi   | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P   | P   | P   | P   | P   | P   | P   | P   | P   | P    | P    | P    | P    | P    | P    |                     |             |                 |
| 11.     |               | C. Vinod Kumar  | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P   | P   | P   | P   | P   | P   | P   | P   | P   | P    | P    | P    | P    | P    | P    |                     |             |                 |
| 12.     |               | D. Suresh       | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P   | P   | P   | P   | P   | P   | P   | P   | P   | P    | P    | P    | P    | P    | P    |                     |             |                 |
| 13.     |               | D. Triveni      | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P   | P   | P   | P   | P   | P   | P   | P   | P   | P    | P    | P    | P    | P    | P    |                     |             |                 |
| 14.     |               | E. Jayan Kumar  | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P   | P   | P   | P   | P   | P   | P   | P   | P   | P    | P    | P    | P    | P    | P    |                     |             |                 |
| 15.     |               | G. Jaghu        | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P   | P   | P   | P   | P   | P   | P   | P   | P   | P    | P    | P    | P    | P    | P    |                     |             |                 |
| 16.     |               | G. Jakesh       | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P   | P   | P   | P   | P   | P   | P   | P   | P   | P    | P    | P    | P    | P    | P    |                     |             |                 |
| 17.     |               | K. Raja         | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P   | P   | P   | P   | P   | P   | P   | P   | P   | P    | P    | P    | P    | P    | P    |                     |             |                 |
| 18.     |               | K. Manika       | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P   | P   | P   | P   | P   | P   | P   | P   | P   | P    | P    | P    | P    | P    | P    |                     |             |                 |
| 19.     |               | K. Upendra      | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P   | P   | P   | P   | P   | P   | P   | P   | P   | P    | P    | P    | P    | P    | P    |                     |             |                 |
| 20.     |               | K. Ramalingam   | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P   | P   | P   | P   | P   | P   | P   | P   | P   | P    | P    | P    | P    | P    | P    |                     |             |                 |
| 21.     |               | K. Easwari      | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P   | P   | P   | P   | P   | P   | P   | P   | P   | P    | P    | P    | P    | P    | P    |                     |             |                 |
| 22.     |               | K. Ashok        | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P   | P   | P   | P   | P   | P   | P   | P   | P   | P    | P    | P    | P    | P    | P    |                     |             |                 |
| 23.     |               | K. Kumar        | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P   | P   | P   | P   | P   | P   | P   | P   | P   | P    | P    | P    | P    | P    | P    |                     |             |                 |
| 24.     |               | K. Nalinipati   | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P   | P   | P   | P   | P   | P   | P   | P   | P   | P    | P    | P    | P    | P    | P    |                     |             |                 |
| 25.     |               | M. Sowmi        | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P   | P   | P   | P   | P   | P   | P   | P   | P   | P    | P    | P    | P    | P    | P    |                     |             |                 |
| 26.     |               | N. Madhu        | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P   | P   | P   | P   | P   | P   | P   | P   | P   | P    | P    | P    | P    | P    | P    |                     |             |                 |
| 27.     |               | N. Leelavathi   | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P   | P   | P   | P   | P   | P   | P   | P   | P   | P    | P    | P    | P    | P    | P    |                     |             |                 |
| 28.     |               | P. V. Suresh    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P   | P   | P   | P   | P   | P   | P   | P   | P   | P    | P    | P    | P    | P    | P    |                     |             |                 |
| 29.     |               | S. Aishwarya    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P   | P   | P   | P   | P   | P   | P   | P   | P   | P    | P    | P    | P    | P    | P    |                     |             |                 |
| 30.     |               | S. Freyathulla  | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P   | P   | P   | P   | P   | P   | P   | P   | P   | P    | P    | P    | P    | P    | P    |                     |             |                 |

No. as roll at the beginning of the month      Absentee during the month      Late No. on Roll at end of month      No. of Working days      Average Attendance during the month      No. on Roll during month

Lecturer in Computer Science  
Gandhi Degree College  
PATTIMONDA-518 350.  
Murugul Dist. A.P.



FOR THE MONTH OF August 2018

Pharm

| Admission No |  | NAMES                     | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | No of days present | Fees Rs. | Date of payment |
|--------------|--|---------------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------------------|----------|-----------------|
| 31           |  | S. Jeehan Basheer         | P | A | P | P | A | A | P | P | P | A  | P  | P  | A  | P  | P  | P  | P  | A  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                    |          |                 |
| 32           |  | S. Muhammed Nipru Sultan  | P | P | P | A | P | P | A | P | P | P  | A  | P  | A  | P  | P  | P  | A  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                    |          |                 |
| 33           |  | T. Anusoodha              | A | P | P | A | P | P | P | P | P | P  | P  | P  | A  | P  | P  | P  | A  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                    |          |                 |
| 34           |  | T. Megalakshmi            | P | P | A | P | P | P | P | P | P | P  | P  | P  | A  | P  | P  | P  | P  | A  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                    |          |                 |
| 35           |  | V. Rangaswamy             | P | A | P | P | A | P | P | P | P | P  | P  | P  | A  | P  | P  | P  | P  | A  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                    |          |                 |
| 36           |  | V. Sri Venkateswara Reddy | P | P | P | P | A | P | P | P | P | P  | P  | P  | A  | P  | P  | P  | P  | A  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                    |          |                 |
| 37           |  | V. Shiva                  | A | P | P | P | A | P | P | P | P | P  | P  | P  | A  | P  | P  | P  | P  | A  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                    |          |                 |
| 38           |  | V. Sumalatha              | P | A | P | P | A | P | P | P | P | P  | P  | P  | A  | P  | P  | P  | P  | A  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                    |          |                 |
| 39           |  | V. Venkatesh              | A | P | P | P | A | P | P | P | P | P  | P  | P  | A  | P  | P  | P  | P  | A  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                    |          |                 |
| 40           |  | V. Reshma                 | A | P | P | P | A | P | P | P | P | P  | P  | P  | A  | P  | P  | P  | P  | A  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                    |          |                 |

Lecturer in Computers Science

Govt. Degree College

PATTIKONDA-518 380

Kannur Dist. A.P



FOR THE MONTH OF September 2018

Place

[illegible]



# REGISTER OF ATTENDANCE & FEES

FOR THE MONTH OF September, 2018

Name of the Institute

Section

Page

| Sl. No. | Admission No. | NAMES                    | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | No. of days present | FEES<br>Rs. P. | Date of payment |
|---------|---------------|--------------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---------------------|----------------|-----------------|
| 31.     |               | S. Section Basha         | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                |                 |
| 32.     |               | S. Mohammed Toppa Sultan | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                |                 |
| 33.     |               | T. Anusudha              | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                |                 |
| 34.     |               | T. Nagalakshmi           | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                |                 |
| 35.     |               | V. Rangaswamy            | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                |                 |
| 36.     |               | V. Sakthivelakrishnan    | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                |                 |
| 37.     |               | V. Shera                 | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                |                 |
| 38.     |               | V. Sumalatha             | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                |                 |
| 39.     |               | V. Venkatesh             | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                |                 |
| 40.     |               | V. Raghava               | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                |                 |
|         |               |                          |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                |                 |
|         |               |                          |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                |                 |
|         |               |                          |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                |                 |
|         |               |                          |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                |                 |
|         |               |                          |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                |                 |
|         |               |                          |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                |                 |
|         |               |                          |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                |                 |
|         |               |                          |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                |                 |
|         |               |                          |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                |                 |
|         |               |                          |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                |                 |
|         |               |                          |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                |                 |
|         |               |                          |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                |                 |
|         |               |                          |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                |                 |
|         |               |                          |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                |                 |
|         |               |                          |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                |                 |
|         |               |                          |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                |                 |
|         |               |                          |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                |                 |
|         |               |                          |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                |                 |
|         |               |                          |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                |                 |
|         |               |                          |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                |                 |
|         |               |                          |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                |                 |
|         |               |                          |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                |                 |
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Lecture in Computer Science  
Govt. Degree College  
PATTIKONDA-518 388.  
Kurnool Dist. A.P.

Get roll at the beginning of the month.

Get roll at the beginning of the month.

Get roll at the beginning of the month.

No. of Working days

Average Attendance during the month

No. of Roll during month



**Model question paper (2018-19)**

**Basics of C++ Certificate Course**

**Time 01:00**

**Maximum Marks: 20**

1. Which of the following is not a type of constructor?
  - a) Copy constructor
  - b) Friend constructor
  - c) Default constructor
  - d) Parameterized constructor
2. Which of the following concepts means determining at runtime what method to invoke?
  - a) Data hiding
  - b) Dynamic Typing
  - c) Dynamic binding
  - d) Dynamic loading
3. Which of the following cannot be friend?
  - a) Function
  - b) Class
  - c) Object
  - d) Operator function
4. Which of the following concepts provides facility of using object of one class inside another class?
  - a) Encapsulation
  - b) Abstraction
  - c) Composition
  - d) Inheritance
5. Which of the following approach is adapted by C++?
  - a) Top-down
  - b) Bottom-up
  - c) Right-left
  - d) Left-right
6. How "Late binding" is implemented in C++?
  - a) Using C++ tables
  - b) Using Virtual tables
  - c) Using Indexed virtual tables
  - d) Using polymorphic tables
7. Which of the following is the correct class of the object cout?
  - a) ostream
  - b) istream
  - c) ostream
  - d) ifstream
8. Which of the following ways are legal to access a class data member using this pointer?
  - a) this->x
  - b) this.x
  - c) \*this.x d)\*this-x

9. Which of the following is not a type of inheritance?
- Multiple
  - Multilevel
  - Distributive
  - Hierarchical
10. Which inheritance type is used in the class given below?
- ```
class A : public X, public Y {}
```
- Multilevel inheritance
  - Multiple inheritance
  - Hybrid inheritance
  - Hierarchical Inheritance
11. Which of the following is an invalid visibility label while inheriting a class?
- public
  - private
  - protected
  - friend
12. What is correct about the static data member of a class?
- A static member function can access only static data members of a class.
  - A static data member is shared among all the object of the class.
  - A static data member can be accessed directly from main().
  - Both A and B.
13. Which of the following provides a reuse mechanism?
- Abstraction
  - Inheritance
  - Dynamic binding
  - Encapsulation
14. Which of the following can access private data members or member functions of a class?
- Any function in the program.
  - All global functions in the program.
  - Any member function of that class.
  - Only public member functions of that class.
15. Constructor is executed when \_\_\_\_.
- an object is created
  - an object is used
  - a class is declared
  - an object goes out of scope.
16. Which of the following can be overloaded?
- Object
  - Functions
  - Operators
  - Both B and C
17. Which of the following function prototype is perfectly acceptable?
- int Function(int Tmp = Show());
  - float Function(int Tmp = Show(int, float));
  - Both A and B.
  - float = Show(int, float) Function(Tmp);



18. Which of the following function declaration is/are incorrect?
- a) `int Sum(int a, int b = 2, int c = 3);`
  - b) `int Sum(int a = 5, int b);`
  - c) `int Sum(int a = 0, int b, int c = 3);`
  - d) Both B and C are incorrect.
  - e) All are correct.
19. Which of the following function / types of function cannot have default parameters?
- a) Member function of class
  - b) `main()`
  - c) Member function of structure
  - d) Both B and C
20. Which of the following statement is correct?
- a) The order of the default argument will be right to left.
  - b) The order of the default argument will be left to right.
  - c) The order of the default argument will be alternate.
  - d) The order of the default argument will be random.

  
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# Government Degree College

Pattikonda, Kurnool-518380, A.P.

Affiliated to Rayalaseema University (RU) Kurnool

Re-Accredited By NAAC with 'B' Grade

## Department of Computer Science

### Certificate Of Participation

This is to certify that Mr./Miss./Mrs. \_\_\_\_\_ studying \_\_\_\_\_ successfully completed A Certificate Course in 'Basics in C++' Organized by Department of Computer Science, Government Degree College, Pattikonda, Kurnool(Dt) held from 01-08-2018 to 14-09-2018.

**Coordinator**

Lecturer in Computer Science  
Govt. Degree College  
PATTIKONDA-518 380.  
Kurnool Dist. A.P

**Principal**

PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
Kurnool Dist A P




**Government Degree College, Pattikonda**  
**Department of Computer Science**  
**Final Report of Certification Course in Basics of C++**


During this course, students delved deep into C++ fundamentals, including data types, variables, loops, conditionals, functions, and object-oriented programming. Through hands-on exercises and real-world examples, they gained a solid understanding of C++ syntax and best practices, enabling them to write clean, efficient, and maintainable code. Completing this course has added a new skill to their knapsack, empowering them to tackle programming challenges and contribute effectively to data analysis. The aforementioned course began on August 1, 2018, and ended on September 14, 2018. The pupils' response was very positive. The Seminar Hall was crowded with eager students for its first presentation.

The principal, Dr. Purushotham Reddy, spoke to the students and informed them of the significance of technology in both the social and business spheres. He also praised the work of the department of Computer science and complimented Sri.B.Rajender, HOD, who served as the course's architect. The course had a high turnout of students. Regular attendance for the classes, which ran from 04.00 PM to 5:30 PM, was 40 students.

The sessions were engaging, educational, and fascinating. The students were able to comprehend how to learn and understand C++ Programming with the use of hands-on activities, films, handouts, seminars, quizzes, suggested books, and engaging exercises. The pupils' confidence level was raised via brainstorming sessions, discussions, group exercises. The complete course took place; The Course ran its entire course of 38 days and also took informal inputs from the students for making the course better next time.

After the successful completion of the said Certificate course, a valedictory function was held on 14<sup>th</sup> September 2018. The Principal of the College, graced the occasion. The meeting was presided over by the HOD, B. Rajender. Vote of thanks was proposed by other members.

  
Lecturer in Computer Science  
Govt. Degree College  
PATTIKONDA-518 380.  
Kurnool Dist. A.P

  
PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
Kurnool Dist A.P.

**Government Degree College**

**Pattikonda, Kurnool (Dt).**

**Department of English**



**A Certificate course in  
Communication Skills  
for the year-2018-19**



# Government Degree College, Pattikonda

## Proposal for the Introduction of Certificate

Course in

Communication skills

Date: 01-10-2018

From  
B. PAUL RAJ,  
Lecturer in English,  
Head of Department  
Govt. Degree College  
Pattikonda, Kurnool (Dt).

To  
The Principal,  
Govt. Degree College, Pattikonda  
Kurnool (Dt).

Respected Sir,

The Department of English will hold a certificate course in communication skills. The course is in response to the demand of departing students. Communication skills are now regularly communicated from the lowest to the highest levels of employment. Spoken English and grammar are beneficial to students. The Department of English is enthusiastic about starting the course, considering all of these factors. Details of the program will be provided.

1. Name of the proposed program : A Certificate course Communication Skills
2. Duration and timings of the program : 35 days
3. Start date of the program : November 17
4. Course fee : free
5. No. of students expected for admission: 40

Yours faithfully



*[Signature]*  
Head of Department English  
**DEPARTMENT OF ENGLISH**  
Govt. Degree College,  
PATTIKONDA, Kurnool (Dist).

# GOVERNMENT DEGREE COLLEGE, PATTIKONDA

## Department of English Minutes of the Department meeting for the conduct of Certificate Course in communication skills

Date: 05-10-2018

The English Department, a leader in meeting student needs, has decided to increase the number of opportunities available to College graduates. Due to the growing job market, which is especially evident in the globalized sector, there is a significant need for recent graduates with English grammar and communication skills. The Department of English has taken the initiative to offer a Certificate Course in Communication Skills with the simple goal of giving graduating students the necessary practical English grammar and speaking skills.

The Department of English met with its members on the College's property on 05/ 10/2018.

The Department unanimously decided to set up the Certificate Course in communication skills for degree-seeking students at our College, with the lecturers serving as course instructors and the Department Head acting as chairman. The conference was presided over by department head B. Paul Raj. The Certificate Course would last 45 days as promised.

1. Sri B. Paul Raj, Head of the Department :

**DEPARTMENT OF ENGLISH**  
Govt. Degree College,  
PATTIKONDA, Kurnool (Dist).

*[Handwritten signature]*





# Government Degree College, Pattikonda.

## Department of English

Date: 05-10-2018

English Department is starting a certificate course in Communication Skills for the duration of the course, which will last 35 days. There is no fee required for the course, and classes will commence on October 11th, 2018. If you're interested in enrolling, please register your name with the department soon! After successfully completing the course, you'll receive a certificate.

  
Coordinator  
DEPARTMENT OF ENGLISH  
Govt. Degree College,  
PATTIKONDA, Kurnool (Dist).

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A  
Certificate Course  
In

# Communication Skills

## SYLLABUS

- Communication Skills:
- Introduction,
- Definition,
- The Importance of Communication,
- The Communication Process - Source,
- Message, Encoding,
- Channel,
- Decoding,
- Receiver,
- Feedback,
- Context Barriers to communication:
- Physiological Barriers, Physical Barriers,
- Cultural Barriers, Language Barriers,
- Gender Barriers, Interpersonal Barriers,
- Psychological Barriers,
- Emotional barriers
- Perspectives in Communication:
- Introduction, Visual Perception,
- Language,
- Other factors affecting our perspective - Past Experiences,
- Prejudices,
- Feelings,
- Environment



# Model Question Paper (2018-19)

## A Certificate Course in Communication Skills

Time 01:30

Maximum Marks: 50

- Q1. The origin of the word communication is \_\_\_\_\_
- A) Communicate
  - B) Communicare
  - C) Compute
  - D) Computer
- Q2. Types of words used for verbal communication?
- A) Acronyms
  - B) Simple
  - C) Technical
  - D) Jargons
- Q3. The first language which we learn or speak as a child \_\_\_\_\_
- A) Jargon
  - B) Dialect
  - C) Mother Tongue
  - D) Vernacular
- Q4. Which of the following shows a positive facial expression?
- A) Frowning while concentrating
  - B) Maintaining eye contact
  - C) Smiling continuously
  - D) Rolling up your eyes
- Q5. By what method we can know what the receiver understood or got the message
- A) transmitting
  - B) feedback
  - C) message
  - D) listening
- Q6. What is a sentence?
- A) A group of ideas.
  - B) A group of words that communicate a complete thought.
  - C) A set of rules to write correctly.
  - D) A set of words that is grammatically correct
- Q7. Which type of word is generally not used in verbal communication.
- A) Technical
  - B) Simple
  - C) Easy
  - D) Local Language
- Q8. \_\_\_\_\_ can be presented by face
- A) Gestures
  - B) Body Language

Q17. Which of the following is not an element of the communication cycle?

- A) Channel
- B) Receiver
- C) Time
- D) Sender

Q18. Written communication can be classified in which type of communication?

- A) Non-verbal
- B) Verbal
- C) Visual
- D) None of these

Q19. .... is the exchange of messages in the communication cycle.

- A) Transmitting
- B) Listening
- C) Message
- D) Feedback

Q20. The abilities to communicate properly are:

- A) read
- B) write
- C) speak
- D) all of these

Q21. Which of the following is an example of negative feedback?

- A) You can dance better.
- B) Your Dance was good but you can do better.
- C) Your Dance skill is not really good. You have to practice more.
- D) None of the above

Q22. .... is not a communication barrier?

- A) Language
- B) Culture
- C) Habits
- D) Physical

Q23. The communication cycle does not include.....

- A) Sender
- B) message
- C) receiver
- D) programming

Q24. Which of the following is quick and clear method of communication

- A) e-mail
- B) notices/posters
- C) face-to-face informal communication
- D) business meetings

Q25. Which method is good for taking leave in the office?

- A) Website
- B) notices/posters
- C) e-mail
- D) business meetings



# List of Students Registered for Certificate Course 2018-19

## A Certificate Course in Communication Skills

| S.No | Hall Ticket Number | Name of the Students | Signature of the student |
|------|--------------------|----------------------|--------------------------|
| 1    | 171048001          | A.Ravi Kumar         | A. Ravi Kumar            |
| 2    | 171048006          | B.K.Suresh           | B.K. Suresh              |
| 3    | 171048007          | B.Mohan              | B. Mohan                 |
| 4    | 171048003          | B.Prudhviraaj        | B. prudhviraaj           |
| 5    | 171048002          | B.Ultheppa           | urtheppa                 |
| 6    | 171048005          | B.Govindu            | Govindu                  |
| 7    | 171048004          | B.Swathi             | Swathi                   |
| 8    | 171048010          | C.Ashok              | Ashok                    |
| 9    | 171048008          | C.Pawan Kumar        | Pawan Kumar              |
| 10   | 171048012          | G.Muni Swami         | G. Muni                  |
| 11   | 171048011          | G.Chennakesavulu     | chennakesavulu           |
| 12   | 171048014          | G.Venkata Ramudu     | Ramudu                   |
| 13   | 171048013          | G.Radhamma           | Radha                    |
| 14   | 171048015          | H.Dharmendra         | Dharmendra               |
| 15   | 171048020          | K.Karthik            | K. Karthik               |
| 16   | 171048021          | K.Pulisekhar         | Pulisekhar               |
| 17   | 171048018          | K.Arshiya            | K. Arshiya               |
| 18   | 171048019          | K.Harikrishna        | K. Harikrishna           |
| 19   | 171048030          | M.Vinash             | M. Vinash                |
| 20   | 171048024          | M.Mareppa            | Mareppa                  |
| 21   | 172048001          | B.Suvarna            | Suvarna                  |
| 22   | 172048002          | B.Veeranjineyulu     | veeranjineyulu           |
| 23   | 172048003          | C.Mohan              | Mohan                    |
| 24   | 172048004          | D.Durgaprasad        | D. Durga prasad          |
| 25   | 172048005          | G.Lalu Kumar         | G. Lalu Kumar            |

|    |           |                 |              |
|----|-----------|-----------------|--------------|
| 26 | 172048006 | K.Ravi          | K. Ravi      |
| 27 | 172048007 | K.Vikranth      | Vikranth     |
| 28 | 172048008 | M.Rajasekhar    | Raj.         |
| 29 | 172048012 | M.Ramesh        | M. Ramesh    |
| 30 | 172048009 | M.Suryanarayana | Surya        |
| 31 | 172048013 | N.Suresh Babu   | N. Babu      |
| 32 | 172048014 | P.Sekhar        | P. Sekhar    |
| 33 | 172048015 | S.Munindra      | Munindra     |
| 34 | 172048016 | S.Roshan        | S. Roshan    |
| 35 | 172048018 | Y.Rajesh        | Rajesh       |
| 36 | 173048068 | U.Swapna        | U. Swapna    |
| 37 | 173048055 | A.Dadavali      | Dadavali     |
| 38 | 173048056 | D.Upendra       | D. Upendra   |
| 39 | 173048058 | G.Kasinath      | Kasinath     |
| 40 | 173048057 | G.Thimmappa     | G. Thimmappa |

  
 PRINCIPAL  
 GOVT DEGREE COLLEGE  
 PATTIKONDA-518 380  
 Kurnool Dist A P



# List of students Registered for Communication Skills 2018-19

| S.No | Name of the Students          | Remarks |
|------|-------------------------------|---------|
| 1    | Yadama Koteswarayya           |         |
| 2    | Yadama Rangadu                |         |
| 3    | Yarukula Suresh               |         |
| 4    | Yerukula Veeresh              |         |
| 5    | Vadde Anjaneyulu              |         |
| 6    | Sagondi Raviteja              |         |
| 7    | Sangati Vinod Kumar           |         |
| 8    | Shaik Abdul Gafoor            |         |
| 9    | Siddam Venkateswara Reddy     |         |
| 10   | Uppara Rambabu                |         |
| 11   | Bantupalli Pandu Raju         |         |
| 12   | Beldona Lavanya               |         |
| 13   | Boya Gokari                   |         |
| 14   | Byrugonda Pandurangadu        |         |
| 15   | Golla Kalinga                 |         |
| 16   | Boya Obulesu                  |         |
| 17   | Binigeri.Ajay Kumar           |         |
| 18   | Byrugonda Rama Chandrappa     |         |
| 19   | Chayapogu Veeresh Babu        |         |
| 20   | Dhevagiri Alivelimanga        |         |
| 21   | Ediga Rangeswari              |         |
| 22   | Gajula Basavaraju             |         |
| 23   | Golla Lakshmanma              |         |
| 24   | Giripogula Ramadevi           |         |
| 25   | Golla Chandranna              |         |
| 26   | Arekanti Ramanjaneyulu        |         |
| 27   | Banagani Hemalatha            |         |
| 28   | Banagani Sharanamma           |         |
| 29   | Bonala Govardan               |         |
| 30   | Cakaki.Ramanjineyulu          |         |
| 31   | Chinthakunta Rakeshkumar      |         |
| 32   | Devakunta Rangaswamy          |         |
| 33   | Golla Ramana Devi             |         |
| 34   | Gondla Anil Kumar             |         |
| 35   | Achukatla Reshma              |         |
| 36   | Alarudinne Balaramudu         |         |
| 37   | Avula Nagendra                |         |
| 38   | Belaganti Suresh              |         |
| 39   | Bestha. Dana Veera Sura Karna |         |
| 40   | Borra Lingamma                |         |





[illegible]





[illegible]

- C) Para Language
- D) Expressions

Q9. \_\_\_\_\_ are a group of words that together act as a grammatical units.

- A) Imperative
- B) Interrogative
- C) Phrase
- D) Exclamatory

Q10. Using abbreviations in communication leads to which type of communication barrier

- A) Language/ Linguistic
- B) Physical
- C) Cultural
- D) Organizational

Q11. Which can be used to overcome the communication barrier

- A) Using a translator
- B) By writing a letter
- C) Not communicating at all
- D) Using your own language

Q12. Which of the following is NOT a communication barrier?

- A) Linguistic barrier
- B) Interpersonal barrier
- C) Financial barrier
- D) Organizational barrier

Q13. Straight body posture shows what?

- A) Pride
- B) Professionalism
- C) Confidence
- D) Humility

Q14. Which of the following is a positive facial expression?

- A) Staring hard
- B) Wrinkled forehead
- C) Looking somewhere else
- D) Nodding while listening

Q15. Which type of words should be used for good communication?

- A) Acronyms
- B) Technical
- C) Jargons
- D) Simple

Q16. Sending a letter is which type of communication?

- A) Listening
- B) Writing
- C) Speaking
- D) Reading



# Government Degree College, Pattikonda

## Department of English

### Final Report of Certification Course in Communication Skills

Everyday Communication Skills Programme was developed by the English department with the help of the Principal for college students. By offering the 35-day Certificate course in communication skills, the English Department has made a humble beginning in its efforts to teach and improve students' practical knowledge of accounting software. The main objective of the course, as decided earlier, was to impart English language skills to the departing students. The requirements of final year students are taken into account when creating the basic framework of the course. The above mentioned course started on 11.10.2018 and ended on 30.12.2018. The feedback from the students was very positive. The seminar hall was full of students waiting for their first presentation.

The Principal, spoke to the students and knowledgeable them of the importance of generation in both the social and enterprise spheres. He additionally praised the paintings of the department of English and complimented Sri.B.PAUL RAJ, HOD, who served as the route's architect. The route had a excessive turnout of college students. Regular attendance for the classes, which ran from 05.00 PM to six:30 PM, changed into 40 students.

The periods were attractive, academic, and fascinating. The scholars were able to recognize a way to study and understand English with the usage of arms-on sports, movies, handouts, seminars, quizzes, recommended books, and attractive physical games. The pupils' confidence degree becomes raised through brainstorming classes, discussions, organization sporting activities, and impromptu displays. The complete direction took place; the course ran its complete direction of forty five days and additionally took informal inputs from the scholars for making the direction higher next time. Upon the successful completion of the aforementioned Certificate programme, a farewell celebration was organized on December 30, 2018. The event was graced by the college's principal. B. Paul Raj, the HOD, presided over the meeting. The idea for a vote of gratitude came from other members.





# Government Degree College, Pattikonda

Pattikonda, Kurnool-518380, A.P.

Affiliated to Ragunatha University (R2U) Kurnool-

Re-Accredited by NAAC with 'B' Grade

## Department of English

### Certificate of Participant

This is to certify that Mr./Miss./Mrs. \_\_\_\_\_ studying \_\_\_\_\_ successfully

completed 'A Certificate Course in Communication Skills' Organized by Department of English, Government Degree College, Pattikonda, Kurnool (Dt) held

from 11-10-2018 to 30-12-2018.

Coordinator

DEPARTMENT OF ENGLISH  
Govt. Degree College,  
PATTIKONDA, Kurnool (Dist)-



Principal

DEPARTMENT OF ENGLISH  
Govt. Degree College,  
PATTIKONDA, Kurnool (Dist)-



# Department Of Mathematics



## Certificate Course In Critical Thinking & Problem solving (2018-19)

**GOVERNMENT DEGREE COLLEGE, PATTIKONDA**  
**PROPOSAL FOR THE INTRODUCTION OF CERTIFICATE COURSE IN**  
**MATHEMATICS**

DATE: 10/10/2018

From  
Dr. K Appala Naidu,  
Lecturer in Mathematics,  
Head of Department  
Govt. Degree College  
Pattikonda,  
Kurnool (Dt).

To  
The Principal,  
Govt. Degree College,  
Pattikonda  
Kurnool (Dt).

Respected Sir,

I would want to suggest that our college hold a certificate programme Critical Thinking & Problem Solving the demands of departing students are now more regularly communicated to the Department of mathematics. From the lowest to the highest levels of employment, Critical Thinking & Problem Solving has become fruitful to students. The Department of mathematics is excited to start the course taking into account all of these factors.

The details of the program are

- |                                           |                                       |
|-------------------------------------------|---------------------------------------|
| 1. Name of the proposed program           | : Critical Thinking & Problem Solving |
| 2. Duration and timings of the program    | : 45 Days                             |
| 3. Start date of the program              | : 25 October 2018                     |
| 4. Course fee                             | : free                                |
| 5. No. of students expected for admission | : 25                                  |

Yours faithfully

Head of the Department  
(Mathematics)

*K. Appala Naidu*  
DEPARTMENT OF MATHEMATICS  
Govt. Degree College,  
PATTIKONDA, Kurnool (Dist).

*n. Appala Naidu*



Meeting - 3

at: initiation

It is resolved to give project works to the students so that they may complete them in Dussehra occasion.

It is also resolved to give important questions for 1<sup>st</sup>, 2<sup>nd</sup>, & 3<sup>rd</sup> semester students so that they may practise at home for upcoming semester examinations.

It is resolved to start a certificate course in critical thinking & problem solving from 25/10/2018 to 26/11/2018.

K. Appala Saidu

Lecturer in Mathematics,  
GOVT. DEGREE COLLEGE,  
PATTIKONDA-512200, Kurnool Dist.

K. Appala Saidu  
DEPARTMENT OF MATHEMATICS  
Govt. Degree College,  
PATTIKONDA, Kurnool (Dist).

**Government Degree College,**  
**Pattikonda**

**Department of Mathematics**

Date: 10-10-2018

All the final year degree students are hereby informed that the Department of Mathematics is going to start a certificate course in Mental Maths the duration of the course is 45 days. Students need not pay any fee for the course. The classes will commence from 25-10-2018. Interested students are required to register their names in Mathematics Department. After successful completion of the course certificate will be provided to the students.

Coordinator

*K. Appala Naidu*  
DEPARTMENT OF MATHEMATICS  
GONT. Degree College,  
PATTIKONDA, Kurnool (Dist).

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# A Certificate Course in Critical Thinking & Problem Solving

## SYLLABUS

### Unit 1: Introduction to Critical Thinking and Problem Solving

#### 1.1 Understanding Critical Thinking

- Definition and importance of critical thinking
- Characteristics and skills of a critical thinker
- Critical thinking in various contexts (personal, academic, professional)

#### 1.2 Problem Solving Process

- Overview of the problem-solving process
- Identifying problems and setting objectives
- Analyzing problems and gathering information
- Generating alternative solutions
- Evaluating and selecting the best solution
- Implementing and evaluating the solution

#### 1.3 Critical Thinking Tools and Techniques

- Logical reasoning and deductive/inductive thinking
- Analyzing and evaluating arguments
- Identifying fallacies and biases
- Creative thinking techniques (brainstorming, mind mapping, etc.)
- Decision-making strategies

### Unit 2: Applied Critical Thinking and Problem Solving

#### 2.1 Critical Thinking in Practice

- Applying critical thinking in real-life scenarios
- Analyzing and evaluating information sources
- Assessing the credibility and reliability of information
- Recognizing and addressing biases and assumptions

#### 2.2 Problem Analysis and Decision Making

- Problem analysis techniques (SWOT analysis, root cause analysis, etc.)
- Decision-making models and frameworks
- Ethical considerations in decision making

#### 2.3 Effective Communication and Collaboration

- Communicating ideas and arguments effectively
- Active listening and asking probing questions
- Collaborative problem solving and teamwork
- Managing conflicts and facilitating consensus

*K. Appala naidu*  
DEPARTMENT OF MATHEMATICS  
Govt. Degree College,  
PATTIKONDA, Kurnool (Dist).

# Model question paper (2018-19)

## Certificate Course in Critical Thinking & Problem Solving

Time 02:00 Hrs

Maximum Marks: 50

**Section A: Multiple Choice Questions (10 marks)** Choose the correct answer and write the corresponding letter in the provided space.

1. Which of the following is NOT a step in the problem-solving process? a) Identifying the problem b) Analyzing possible solutions c) Implementing the solution d) Ignoring the problem
2. What is the first step in critical thinking? a) Evaluating evidence b) Generating ideas c) Asking questions d) Making decisions
3. Which of the following is a characteristic of a strong critical thinker? a) Accepting information without questioning it b) Relying solely on emotions to make decisions c) Considering multiple perspectives d) Avoiding complex problems
4. When faced with a complex problem, what is an effective strategy? a) Avoiding the problem and hoping it goes away b) Breaking the problem down into smaller parts c) Making quick decisions without much thought d) Blaming others for the problem
5. What is the purpose of brainstorming in problem-solving? a) To criticize and dismiss ideas b) To generate a variety of possible solutions c) To follow a predetermined plan d) To choose the first solution that comes to mind

**Section B: Short Answer Questions (20 marks)** Answer the following questions concisely in one or two sentences.

1. Define critical thinking.
2. Explain the difference between deductive and inductive reasoning.
3. What is the importance of data analysis in problem-solving?
4. What are the characteristics of a well-defined problem?
5. Describe the concept of "thinking outside the box."

**Section C: Case Study Analysis (20 marks)** Read the following case study and answer the questions based on the information provided.

**Case Study:** You are a project manager for a software development team. The team has encountered a critical bug in the software just days before the scheduled release. The bug could potentially cause significant issues for users. Your team has limited time to fix the bug and ensure a successful release. What steps would you take to address this problem?

1. Identify and explain the potential challenges in this situation.
2. Analyze possible solutions to fix the bug and prioritize them.
3. Outline the steps you would take to implement the chosen solution.
4. How would you evaluate the success of the implemented solution?

*K. Appala Naidu*  
DEPARTMENT OF MATHEMATICS  
Govt. Degree College,  
PATTIKONDA, Kurnool (Dist).





# **Government Degree College**

**Pattikonda, Kurnool-518380, A.P.**

**Affiliated to Rayalaseema University (RU) Kurnool**

**Re-Accredited By NAAC with 'B' Grade**

## **Department of Mathematics**

### **Certificate Of Participation**

This is to certify that Mr./Miss./Mrs. \_\_\_\_\_  
studying \_\_\_\_\_ successfully completed 'A Certificate Course  
in Critical Thinking & Problem Solving 'Organized by Department of Mathematics,  
Government Degree College, Pattikonda, Kurnool(Dt) held from 20-10-2018 to 20-12-  
2018.

**Coordinator**

**Principal**



All New

# REGISTER

Of

OFFICE  
ATTENDANCE

2018-19

Name .....

Department of  
mathematics  
certificate course

**Grinivasa®**



Name of the Office

## Attendance

## Register

Month OCTOBER

Year 2018

| S. No. | Name of the Officer      | Designation | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | Remarks |
|--------|--------------------------|-------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---------|
| 1      | Arulmani Ramanjaneyulu   |             |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 2      | Banala Govardhan         |             |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 3      | Devulanta Ranganjaneyulu |             |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 4      | Kumarami Trimallesh      |             |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 5      | Murugesu Padma           |             |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 6      | Pulikandattasirudhinna   |             |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 7      | Venganti Rajesh          |             |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 8      | Paya Ramakrishna         |             |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 9      | Gujjala Ragu             |             |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 10     | Kumarami Basappa         |             |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 11     | P.T. Usha Kees           |             |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 12     | V. Shiva                 |             |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 13     | Vadde Venkatesh          |             |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 14     | Paya Sublesu             |             |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 15     | Gudava Ravi Kumar        |             |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 16     | Lalitha Kamala           |             |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 17     | M. Sunitha               |             |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 18     | Shaila Rukma             |             |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 19     | Uppala Natesh            |             |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 20     | Beldona Govindya         |             |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 21     | Chudipati Rajesh         |             |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 22     | K. Kalpana               |             |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 23     | Paya Govindya            |             |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 24     | Paya Venkatesh           |             |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 25     | Paya Basanath            |             |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |

Name of the Office

## Attendance

## Register

Month: December

Year: 2015

| S. No. | NAME                    | Design | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|--------|-------------------------|--------|---|---|---|---|---|---|---|---|---|----|
| 1      | Adekanli Romanprejulu   |        | x | x | x |   | x | x | x | x | x | -  |
| 2      | Banala Givardan         |        | x | x | x |   | x | x | x | x | x |    |
| 3      | Devalkanta Rangaswamy   |        | x | x | x |   | x | x | x | x | x |    |
| 4      | Kummasi Tirumalesh      |        | x | x | x |   | x | x | x | x | x |    |
| 5      | matam Radha             |        | x | x | x |   | x | x | x | x | x |    |
| 6      | Pulilekanda thakurishna |        | x | x | x |   | x | x | x | x | x |    |
| 7      | Yeniganti Rajesh        |        | x | x | x |   | x | x | x | x | x |    |
| 8      | Boya Ramakrishna        |        | x | x | x |   | x | x | x | x | x |    |
| 9      | Gujjale Raghu           |        | x | x | x |   | x | x | x | x | x |    |
| 10     | Kummasi eddesh          |        | x | x | x |   | x | x | x | x | x |    |
| 11     | P.T. Ushasree           |        | x | x | x |   | x | x | x | x | x |    |
| 12     | V. ghiva                |        | x | x | x |   | x | x | x | x | x |    |
| 13     | Vadde Venkatesh         |        | x | x | x |   | x | x | x | x | x |    |
| 14     | Boya obulesu            |        | x | x | x |   | x | x | x | x | x |    |
| 15     | Gopala Ravitumar        |        | x | x | x |   | x | x | x | x | x |    |
| 16     | Kikla Kamala            |        | x | x | x |   | x | x | x | x | x |    |
| 17     | m. sunitha              |        | x | x | x |   | x | x | x | x | x |    |
| 18     | Shaile Ruktana          |        | x | x | x |   | x | x | x | x | x |    |
| 19     | UPPASA Nagesh           |        | x | x | x |   | x | x | x | x | x |    |
| 20     | Pelana Lavanya          |        | x | x | x |   | x | x | x | x | x |    |
| 21     | Gudipati Rajesh         |        | x | x | x |   | x | x | x | x | x |    |
| 22     | K. Italyen              |        | x | x | x |   | x | x | x | x | x |    |
| 23     | Boya Ravindu            |        | x | x | x |   | x | x | x | x | x |    |
| 24     | Boya Venkatesh          |        | x | x | x |   | x | x | x | x | x |    |
| 25     | Ediga Prasanth          |        | x | x | x |   | x | x | x | x | x |    |

| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
|    | x  | A  | x  | x  | x  | x  |    | x  | x  | x  | x  | A  | x  |    | x  | A  | x  | x  | x  |    |
|    | x  | A  | x  | x  | x  | x  |    | x  | x  | x  | x  | x  |    |    | x  | A  | x  | x  | x  |    |
|    | x  | x  | x  | x  | x  | x  |    | x  | x  | x  | x  | x  |    |    | x  | A  | x  | x  | x  |    |
|    | x  | A  | x  | x  | x  | x  |    | x  | x  | x  | x  | x  |    |    | x  | A  | x  | x  | x  |    |
|    | x  | x  | x  | x  | x  | x  |    | x  | x  | x  | x  | x  |    |    | x  | A  | x  | x  | x  |    |
|    | x  | A  | x  | x  | x  | x  |    | x  | x  | x  | x  | x  |    |    | x  | A  | x  | x  | x  |    |
|    | x  | x  | x  | x  | x  | x  |    | x  | x  | x  | x  | x  |    |    | x  | A  | x  | x  | x  |    |
|    | x  | A  | x  | x  | x  | x  |    | x  | x  | x  | x  | x  |    |    | x  | A  | x  | x  | x  |    |
|    | x  | x  | x  | x  | x  | x  |    | x  | x  | x  | x  | x  |    |    | x  | A  | x  | x  | x  |    |
|    | x  | A  | x  | x  | x  | x  |    | x  | x  | x  | x  | x  |    |    | x  | A  | x  | x  | x  |    |
|    | x  | x  | x  | x  | x  | x  |    | x  | x  | x  | x  | x  |    |    | x  | A  | x  | x  | x  |    |
|    | x  | A  | x  | x  | x  | x  |    | x  | x  | x  | x  | x  |    |    | x  | A  | x  | x  | x  |    |
|    | x  | x  | x  | x  | x  | x  |    | x  | x  | x  | x  | x  |    |    | x  | A  | x  | x  | x  |    |
|    | x  | A  | x  | x  | x  | x  |    | x  | x  | x  | x  | x  |    |    | x  | A  | x  | x  | x  |    |
|    | x  | x  | x  | x  | x  | x  |    | x  | x  | x  | x  | x  |    |    | x  | A  | x  | x  | x  |    |
|    | x  | A  | x  | x  | x  | x  |    | x  | x  | x  | x  | x  |    |    | x  | A  | x  | x  | x  |    |
|    | x  | x  | x  | x  | x  | x  |    | x  | x  | x  | x  | x  |    |    | x  | A  | x  | x  | x  |    |
|    | x  | A  | x  | x  | x  | x  |    | x  | x  | x  | x  | x  |    |    | x  | A  | x  | x  | x  |    |
|    | x  | x  | x  | x  | x  | x  |    | x  | x  | x  | x  | x  |    |    | x  | A  | x  | x  | x  |    |
|    | x  | A  | x  | x  | x  | x  |    | x  | x  | x  | x  | x  |    |    | x  | A  | x  | x  | x  |    |



## Attendance

## Register

Month December

Year 2018

| S. No. | NAME                  | Designation | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | Remarks |
|--------|-----------------------|-------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---------|
| 1.     | Ane Kanti Ramaniyappa |             | X | X | X | X | X | X |   |   |   |    |    | X  | X  | A  | X  | X  |    | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 2.     | Banala Govardhan      |             | A | X | X | X | X | X |   |   |   |    |    | X  | X  | A  | X  | X  |    | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 3.     | Devakunta Ramaswamy   |             | X | X | A | X | X | X |   |   |   |    |    | X  | X  | X  | X  | X  |    | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 4.     | Kummasi Tirumalesh    |             | X | X | A | X | X | X |   |   |   |    |    | X  | X  | A  | X  | X  |    | X  | A  |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 5.     | Motam Redha           |             | A | X | X | X | A | X |   |   |   |    |    | X  | X  | X  | X  | X  |    | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 6.     | Mullonda Harikrishna  |             | X | X | A | X | X | X |   |   |   |    |    | X  | X  | X  | X  | X  |    | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 7.     | Venuganti Rajesh      |             | X | X | A | X | X | X |   |   |   |    |    | X  | X  | X  | X  | X  |    | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 8.     | Boya Ramakrishna      |             | X | X | A | X | X | X |   |   |   |    |    | X  | X  | A  | X  | X  |    | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 9.     | Subala Raghav         |             | A | X | A | X | X | X |   |   |   |    |    | X  | X  | X  | X  | X  |    | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 10.    | Kummasi Redesh        |             | X | X | A | X | X | X |   |   |   |    |    | X  | X  | A  | X  | X  |    | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 11.    | Prashanth             |             | X | X | A | X | X | X |   |   |   |    |    | X  | X  | X  | X  | X  |    | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 12.    | V-shiva               |             | A | X | A | X | X | X |   |   |   |    |    | X  | X  | X  | X  | X  |    | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 13.    | Vadde Venkatesh       |             | X | X | A | X | X | X |   |   |   |    |    | X  | X  | X  | X  | X  |    | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 14.    | Boya Mahesh           |             | A | X | A | X | X | X |   |   |   |    |    | X  | X  | A  | X  | X  |    | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 15.    | Gobava Ravikumar      |             | X | X | A | X | X | X |   |   |   |    |    | X  | X  | A  | X  | X  |    | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 16.    | Utki Karna            |             | X | X | A | X | X | X |   |   |   |    |    | X  | X  | X  | X  | X  |    | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 17.    | Prasanth              |             | A | X | A | X | X | X |   |   |   |    |    | X  | X  | A  | X  | X  |    | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 18.    | Shank Rakesh          |             | X | X | A | X | X | X |   |   |   |    |    | X  | X  | A  | X  | X  |    | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 19.    | UPPasa Nagesh         |             | X | X | A | X | X | X |   |   |   |    |    | X  | X  | A  | X  | X  |    | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 20.    | Beldona Lavanya       |             | A | X | A | X | X | X |   |   |   |    |    | X  | X  | A  | X  | X  |    | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 21.    | Gudipati Rajesh       |             | X | X | A | X | X | X |   |   |   |    |    | X  | X  | X  | X  | X  |    | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 22.    | K. Mahan              |             | X | X | A | X | X | X |   |   |   |    |    | X  | X  | A  | X  | X  |    | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 23.    | Boya Govind           |             | X | X | A | X | X | X |   |   |   |    |    | X  | X  | A  | X  | X  |    | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 24.    | Boya Venkatesh        |             | X | X | A | X | X | X |   |   |   |    |    | X  | X  | A  | X  | X  |    | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 25.    | Ediga Prasanth        |             | A | X | A | X | X | X |   |   |   |    |    | X  | X  | A  | X  | X  |    | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |         |

## List of students Registered for Critical Thinking & Problem Solving 2018-19

| S.No | Register Number  | Admission Number | Name of the Students   |
|------|------------------|------------------|------------------------|
| 1    | 163048080        | 4934             | Arekanti Ramanjaneyulu |
| 2    | 163048084        | 4938             | Bonala Govardan        |
| 3    | 163048087        | 4941             | Devakunta Rangaswamy   |
| 4    | 163048094        | 4947             | Kummari Tirumalesh     |
| 5    | <b>163048098</b> | <b>4951</b>      | <b>Matam Radha</b>     |
| 6    | 163048103        | 4958             | Pulikonda Harikrishna  |
| 7    | 163048109        | 4964             | Yeniganti Rajesh       |
| 8    | 163048047        | 4972             | Boya Ramakrishna       |
| 9    | 163048054        | 5002             | Gujjala Raghu          |
| 10   | 163048060        | 4981             | Kummari Eeresh         |
| 11   | <b>163048067</b> | <b>4990</b>      | <b>P.T.Ushasree</b>    |
| 12   | 163048077        | 5003             | V.Shiva                |
| 13   | 163048079        | 5000             | Vadde Venkatesh        |
| 14   | 163048001        | 4895             | Boya Obulesu           |
| 15   | 163048013        | 5009             | Gorava Ravi Kumar      |
| 16   | <b>163048020</b> | <b>4913</b>      | <b>Likki Kamala</b>    |
| 17   | <b>163048022</b> | <b>4922</b>      | <b>M.Sunitha</b>       |
| 18   | <b>163048035</b> | <b>4928</b>      | <b>Shaik Ruksana</b>   |
| 19   | 163048039        | 4932             | Uppara Naresh          |
| 20   | <b>162048014</b> | <b>4841</b>      | <b>Beldona Lavanya</b> |
| 21   | 162048029        | 4848             | Gudipati Rajesh        |
| 22   | 162048033        | 4856             | K.Kalyan               |
| 23   | 161048005        | 4773             | Boya Govindu           |
| 24   | 161048010        | 4771             | Boya Venkatesh         |
| 25   | 161048022        | 4788             | Ediga Prasanth         |

*K. Appala Naidu*  
 DEPARTMENT OF MATHEMATICS  
 Govt. Degree College,  
 PATTIKONDA, Kurnool (Dist).



**Government Degree College, Pattikonda**  
**Department of Mathematics**  
**Final Report of Certification Course in**  
**Critical Thinking & Problem Solving**


Everyday Mathematics was developed by the Department of Mathematics with the help of the Principal, for the College's students. By offering a certificate course in Critical Thinking & Problem Solving for 45 days, the Department of Mathematics has made a modest start in its effort to teach and enhance the students with practical knowledge. The primary goal of the course, as previously decided, was to impart Mathematics knowledge to the departing pupils. The demands of the final year students are taken into consideration when creating the course's fundamental framework. The aforementioned course began on October 25, 2018, and ended on December 26, 2018. The pupils' response was very positive. The Seminar Hall was crowded with eager students for its first presentation.

The principal, Dr. B Purusotham Reddy, spoke to the students and informed them of the significance of technology in both the daily life and Competitive life. He also praised the work of the department of Mathematics and complimented Dr. K Appala Naidu HOD, who served as the course's architect. The course had a high turnout of students. Regular attendance for the classes, which ran from 05.00 PM to 6:30 PM, was 25 students.

The sessions were engaging, educational, and fascinating. The students were able to comprehend how to learn and understand Mathematics with the use of hands-on activities, seminars, quizzes, suggested books, and engaging exercises. The pupils' confidence level was raised via brainstorming sessions, discussions, group exercises, and impromptu presentations. The complete course took place; The Course ran its entire course of 45 days and also took informal inputs from the students for making the course better next time.

After the successful completion of the said Certificate course, a valedictory function was held on 26<sup>th</sup> December 2018. The Principal of the College graced the occasion. The meeting was presided over by the HOD, Dr. K Appala Naidu. Vote of thanks was proposed by other members.

n. 

  
DEPARTMENT OF MATHEMATICS  
Govt. Degree College,  
PATTIKONDA, Kurnool (Dist).

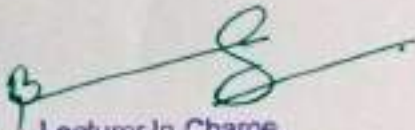
**GOVERNMENT DEGREE COLLEGE**  
**PATTIKONDA**

**KURNOOL( DIST)**

**DEPARTMENT OF CHEMISTRY**

**CERTIFICATE COURSE**

**2018-19**

  
Lecturer In-Charge  
Department of Chemistry  
GOVT DEGREE COLLEGE,  
PATTIKONDA, Kurnool Dist.

  
PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
Kurnool Dist. A.P.



GOVERNMENT DEGREE COLLEGE, PATTIKONDA  
PROPOSAL FOR THE INTRODUCTION OF CERTIFICATE COURSE IN

Soil Testing

DATE: 10/10/2018

From  
B. Krupendhar Reddy  
Lecturer in Chemistry  
Head of Department  
Govt. Degree College  
Pattikonda, Kurnool (Dt).

To  
The Principal,  
Govt. Degree College, Pattikonda  
Kurnool (Dt).

Respected Sir,

I would want to suggest that our college hold a certificate programme  
Soil Testing The demands of departing students are  
now more regularly communicated to the Department of Chemistry. From the lowest to  
the highest levels of employment, Soil testing has become helpful to  
students. The Department of Chemistry is excited to start the course taking into  
account all of these factors.

The details of the program are

1. Name of the proposed program
2. Duration and timings of the program
3. Start date of the program
4. Course fee
5. No. of students expected for admission

: Soil Testing  
: 45 days  
: October 17 to  
: Free  
: 24

Yours faithfully

Lecturer in Charge  
Department of Chemistry  
GOVERNMENT DEGREE COLLEGE,  
PATTIKONDA, Kurnool Dist.

GOVERNMENT DEGREE COLLEGE, PATTIKONDA

Department Of Chemistry


Minutes of the Department meeting for the conduct of  
Certificate Course in Soil testing

Date: 11/10/2018

The Department of Chemistry, a leader in catering to student needs, has made the decision to widen opportunities for individuals graduating from our College. There is a considerable need for new graduates with Soil testing skills due to the expanding job market, which has been particularly visible in the Agricultural sector. With the straightforward objective of equipping graduating students with the requisite practical analytical abilities, the Department of Chemistry has taken the initiative to provide a Certificate Course in Soil testing.

On Oct 17<sup>th</sup> 2018 the Department of Chemistry held a meeting with its members on the College's property. The conference was led by the department head, Sri B. Krupendur Reddy and attended by, Principal and other Chemistry lecturers in Chemistry dept. The Department unanimously decided to organize the Certificate Course in Soil testing for degree-seeking students at our College, with the lecturers serving as the course instructors and the Department Head serving as chairman. As promised, the Certificate Course would span 45 days.

1. Sri B. Krupendur Reddy Head of the Department
2. Sri B. Venkanna Lecturer in Chemistry
3. Sri K. Venugopal Lecturer in Chemistry

  
PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
Kurnool Dist A P



Government DEGREE COLLEGE, PATTIKONDA.

DEPARTMENT OF Chemistry

Circular

Date: 19/10/2018

All the III B.Sc first year degree students are hereby informed that the Department of Chemistry is going to start a certificate course in Soil testing. The duration of the course is 45 days. Students need not pay any fee for the course. The classes will commence from 17/10/2018 to Chemistry. Interested students are required to register their names in the Department. After successful completion of the course certificate will be provided to the students.

Coordinator

Dr. [Signature]  
In-Charge  
Department of Chemistry  
GOVT. DEGREE COLLEGE,  
PATTIKONDA, Kumool Dist.

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Grovt. Degree College, Pattikonda.

Dept. of Chemistry

Final report of certification Course in  
Soil Testing

Soil testing was developed by the Dept. of Chemistry, with the help of the Principal, for the students. By offering a certificate course in Soil Testing for 45 days. The dept. of Chemistry made a modest start in its effort to teach and enhance the students with Practical knowledge of the Soil testing. The Primary goal of the course, as previously decided, was to impart Soil testing knowledge to the departing pupils. The demands of the final year students are taken into consideration when constructing the course's fundamental framework. The course began on October 17<sup>th</sup> 2018 and ended 31<sup>st</sup> December 2018. The Budget expense was very positive.

The Principal Dr. B. Purnanandhaiah spoke the students and informed them of the significance of technology in both the social and economic sectors. He also praised the work of the department.



of Chemistry and complemented to Sri. B. Venkanna  
Reddy, HOD, who acted as the Course's organizer.  
The course had a high turn of students.  
Regular attendance of the classes, which ran from  
5.00 P.M. to 6.00 P.M., was 24 students.

The sessions were engaging, educational  
and interesting. The students were able to  
comprehend how to learn understand soil testing  
with the use of farmers. The pupils' confidence  
level was raised via brainstorming sessions, drawing,  
group exercises and practical analysis. The complete  
course took place. The course ran its entire course  
of a 45 days and also took internal inputs  
from the students to making the course better  
next time.

After the successful completion of the Soil  
Certificate Course a valedictory function was held  
on 3rd December 2018. The Principal of the college  
Sri Dr. B. Venkanna presided the function. The meeting  
was presided over by the HOD of Chemistry. At the  
end of the Programme Sri. B. Venkanna, Lecturer in Chemistry  
Proposed the Vote of Thanks.

Students List Registered For

2018-19

| S.No | NAME OF THE STUDENT |
|------|---------------------|
| 1    | B. obulenu          |
| 2    | B. Ajay Kumar       |
| 3    | B. Rama Chandra     |
| 4    | C. Veeresh Babu     |
| 5    | D. Abhishek         |
| 6    | E. Rajeswar         |
| 7    | G. Lakshmi Devi     |
| 8    | G. Rama Devi        |
| 9    | G. Chandan          |
| 10   | G. Dhana Lakshmi    |
| 11   | G. Patan            |
| 12   | G. Anil             |
| 13   | K. Juma             |
| 14   | K. Dilip Kumar      |
| 15   | K. Raja Kumar       |
| 16   | K. Soujanya Reddy   |
| 17   | L. Kamala           |
| 18   | M. Chandan          |
| 19   | M. Sunita           |
| 20   | M. Sneha            |
| 21   | M. Lakshmi          |
| 22   | M. Rajalakshmi      |
| 23   | M. Sampath Kumar    |
| 24   | M. Hanu Krishna     |
| 25   |                     |
| 26   |                     |
| 27   |                     |
| 28   |                     |
| 29   |                     |
| 30   |                     |
| 31   |                     |
| 32   |                     |
| 33   |                     |
| 34   |                     |
| 35   |                     |
| 36   |                     |
| 37   |                     |
| 38   |                     |
| 39   |                     |
| 40   |                     |



Lecturer in Charge  
Department of Chemistry  
GOVT. DEGREE COLLEGE,  
PATTIKONDA, Kurnool Dist.



| S.No | Names of the Students | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|------|-----------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1    | B. Obulurthi          | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 2    | B. Ajay Kumar         | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 3    | B. Ramachandra        | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 4    | C. Venkata Babu       | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 5    | D. Nimmimartha        | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 6    | E. Neelavathi         | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 7    | G. Lakshmi Devi       | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 8    | G. Ramadani           | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 9    | G. Chandrasu          | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 10   | G. Dhana Lakshmi      | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 11   | G. Praveen            | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 12   | G. Ganga              | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 13   | K. Rama               | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 14   | K. Dilip Kumar        | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 15   | K. Raja Kumar         | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 16   | K. Sujatha Raju       | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 17   | L. Komala             | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 18   | M. Chandrasathi       | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 19   | M. Sunita             | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 20   | M. Sirendra           | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 21   | M. Lakshmi            | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 22   | M. Rangaraj           | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 23   | M. Soma Shetty        | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 24   | M. Hani Krishna       | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 25   |                       |    |    |    |    |    |    |    |    |    |    |    |    |    |    |

*[Handwritten signature]*



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Syllabus prescribed for  
Certificate course in soil testing

[Section-A]

Introduction to soil science  $50^M$

unit - I : Introduction;  $5 \times 10 = 50$

Definition of soil, concept of lithosphere, Soil as a natural body, Soil components: Air, water, inorganic and organic solids, formation of soil, types of soils & basic concepts.

unit - II : Properties of soil

Introduction to properties of soil

A] Physical properties:

Soil separates, texture, Aggregation and structure, temperature, colour, properties of soil mixture, pore space, bulk density, particle density, Aeration and drainage, compaction, surface area, soil water relationships.

B] Chemical properties:

Morphology of colloids, chemistry of clays, ionic exchange, Acidity, Alkalinity, pH, Salinity, reactions in Liming and Acidification.

C] Biological properties:

Soil organic matter, C:N relation.

Ships N-Transformation, soil organisms, sulfur transformation.

## Practicals

### Soil analysis & testing methods

1. Visit to soil testing Laboratory & Report writing
2. Visit to farmers fields for collection of soil samples, identification of nutrient deficiency symptoms in crop
3. preparation of various chemical reagents required for soil testing
4. processing of soil sampling for analysis
5. Determination of pH of soil sample using pH meter
6. Determination of electrical conductivity of soil sample using electrical conductivity meter.
7. Determination of organic carbon by wet oxidation method.
8. Determination of available nitrogen from soil sample
9. Determination of available phosphorus from soil sample
10. Determination of available potassium from soil sample
11. Determination of calcium carbonates from soil sample
12. Determination of micronutrients from soil sample
13. Determination of lime requirement of acidic soil



14. Determination of gypsum requirement of
15. preparation of soil test report, Interpretation of result and fertilizer recommendation
16. Preparation of soil test summaries and fertility maps
17. preparation of soil health card
18. Use of various soil testing kits and working of mobile soil testing van.

Govt. Degree college, Pattikonda.

model Question Paper

Certificate Course on "Soil Testing".

Max. marks: 50

Time: 2 hrs

Section - A

I. Answer any five questions. Each question 5x6=30 marks.  
Carry six marks.

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.

Section - B

II. Answer any four questions. Each question 4x5=20 marks.  
Carry 5 marks.

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.





GOVERNMENT DEGREE COLLEGE

PATTIKONDA, KURNOOL-518380, A.P.  
AFFILIATED TO RAYALASEEMA UNIVERSITY (RU) KURNOOL  
RE-ACCREDITED BY NAAC WITH 'B' GRADE

## Department of Chemistry

# Certificate Of Participation

This is to certify that Mr./Miss./Mrs. \_\_\_\_\_ studying

\_\_\_\_\_ successfully completed in 'Soil Testing'

Organized by Department of Chemistry, Government Degree College, Pattikonda,

Kurnool(Dt) held from 17/10/2018 to 3/12/2018.

Coordinator

*[Signature]*  
Department of Chemistry  
GOVT. DEGREE COLLEGE,  
PATTIKONDA, KURNOOL Dt., A.P.

PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518380  
KURNOOL DIST. A.P.

**GOVERNMENT DEGREE  
COLLEGE  
PATTIKONDA, KURNOOL(DT)  
DEPARTMENT OF ECONOMICS  
CERTIFICATE COURSE  
2018-2019**



**GOVERNMENT DEGREE COLLEGE, PATTIKONDA**  
**PROPOSAL FOR THE INTRODUCTION OF CERTIFICATE COURSE IN**  
**AGRICULTURAL AND INDUSTRIAL DEVELOPMENT**

DATE: 10-11-2018

From  
Dr. Vinod Kumar,  
Lecturer in Economics,  
Head of Department  
Govt. Degree College  
Pattikonda, Kurnool (Dt).

To  
The Principal,  
Govt. Degree College, Pattikonda  
Kurnool (Dt),

Respected Sir,  
The department of Economics wishes to conduct a certificate course Agricultural and Industrial Development. Keeping in view employment opportunities in Agriculture and Industrial Development. More over the course is aimed eradicating unemployment in rural areas. The course content is designed to create awareness on Agriculture and Industrial Development. In this regard the proposal may please be accepted and permission may be accorded.

Thanking you sir

The details of the program are

- |                                          |                           |
|------------------------------------------|---------------------------|
| 1. Name of the proposed program          | : Certificate Course      |
| 2. Duration and timings of the program   | : 45 days                 |
| 3. Start date of the program             | : 20.11.2018 to 14.1.2019 |
| 4. Course fee                            | : Nil                     |
| 5. No of students expected for admission | : 20                      |

Yours faithfully

*B. M. Vinod Kumar*  
Department of Economics  
Head of the Department  
Government Degree College  
PATTIKONDA- 518 380 Kurnool(Dt)

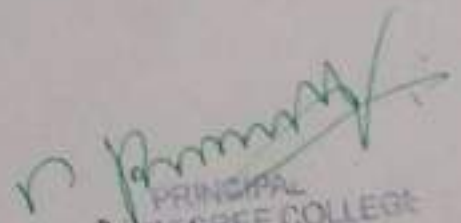
**GOVERNMENT DEGREE COLLEGE, PATTIKONDA**  
**Department Of Economics**  
**Minutes of the Department meeting for the conduct of**  
**Certificate Course in Agricultural and Industrial Development**

Date: 20-11-2018

The Department of Economics, is sincere to cater the needs students, has made the decision to widen opportunities for individuals graduating from our College. There is a considerable need for new graduates to enhance their employability skills due to the expanding job market, which has visible in the Agriculture and Industrial sector. With the straightforward objective of equipping graduating students with the requisite practical Knowledge and abilities, the Department of Economics has taken the initiative to provide a Certificate Course in Agricultural and Industrial Development.

The Faculty of the department under the chairmanship of HOD Dr. M. Vinod Kumar unanimously decided to organize the Certificate Course in Agricultural and Industrial Development for degree-seeking students at our college, with the lecturers serving as the course instructors and the Department Head serving as convener. As promised, the Certificate Course would span 45 days.

1. Sri Dr. B. M. Vinod Kumar, Head of the Department
2. Sri Dr. Venkata Narsiah, Lecturer in Political Science
3. Sri Sreenivasa Reddy, Lecturer in History

  
Principal  
GOVERNMENT DEGREE COLLEGE  
PATTIKONDA-518380  
Kurnool Dist. A.P.



**Government DEGREE COLLEGE, PATTIKONDA.**

**DEPARTMENT OF ECONOMICS**

**Circular**

Date: 13-11-2018

All the BA., HEP final year degree students are hereby informed that the Department of Economics is going to start a certificate course in ' **Agricultural and Industrial Development** '. The duration of the course is 45 days. Students need not pay any fee for the course. The classes will commence from November 20, 2018 to January 14, 2019. Interested students are required to register their names in the Economics Department. After successful completion of the course certificate will be provided to the students.

*B. M. Vinod Kumar*  
Coordinator of Economics  
Department of Economics  
Government Degree College  
PATTIKONDA 518 380 Kurnool(Dist.)

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## Syllabus

### Indian Agriculture:

Indian Agriculture-Agricultural Strategy and Agricultural Policy -Agrarian Crisis and Land Reforms-Agricultural Credit - Minimum Support Prices - Malnutrition in Food Security

### Industrial Development:

Indian Industry - Recent Industrial Policy -Make in India - Start-up and Stand-up Programs - SEZs and Industrial Corridors -Economic Reforms and Their impact -Economic Initiatives by Government of India during COVID - Atmanirbhar Bharat package

B.M. Vinod Kumar  
Department Of Economics  
Government Degree College  
PATTIKONDA- 518 380, Kurnool(Dist)



**Model question paper (2018-19)**

**Agriculture and Industrial Development certificate course**

**Time 01:30**

**Maximum marks :50**

**Each question carries 10 marks (10\*5)**

- 1.Explain importance of Indian Agriculture.
2. Write about Agricultural Price Policy.
- 3.Explain about Agriculture Credit.
4. Write about Standup and Startup Programme.
- 5.Explain New Economic Reforms.
- 6.write about Minimum support price.
- 7.Explain Atmanirbhar Bharat Package.
- 8.Explain Food security.

*B.H.Vinod Kumar*  
Department  
Government Engineering College  
PATTIKONDA 518 380 Kurnool(Dist.)

Students List Registered For 2018-19

| S.No | Admission No | NAME OF THE STUDENT | Class      | Signature of the Candidate |
|------|--------------|---------------------|------------|----------------------------|
| 1    | 5007         | G. Malleswari       | III BA HEP | G. Malleswari              |
| 2    | 4768         | Avula Shiva         | IV BA HEP  | A. Shiva                   |
| 3    | 4777         | Boya Somasekhar     | III BA HEP | B. Somasekhar              |
| 4    | 4781         | Chakali Damodar     | III BA HEP | C. Damodar                 |
| 5    | 4779         | Chakali Uma         | III BA HEP | C. Uma                     |
| 6    | 4805         | Karam Nagaraj       | III BA HEP | K. Nagaraj                 |
| 7    | 4806         | Kodam Siva Naidu    | III BA HEP | K. Siva Naidu              |
| 8    | 4804         | Kolantla Raju       | III BA HEP | K. Raju                    |
| 9    | 4814         | Madiga Sreekanth    | III BA HEP | M. Sreekanth               |
| 10   | 4811         | Mekala Ramakrishna  | III BA HEP | M. Ramakrishna             |
| 11   | 4818         | Nemakanti Vishnu    | III BA HEP | N. Vishnu                  |
| 12   | 4819         | Pamula Bajari       | III BA HEP | P. Bajari                  |
| 13   | 4827         | Talari Chandra Babu | III BA HEP | T. Chandra Babu            |
| 14   | 4821         | Tatageri Pushpavati | III BA HEP | T. Pushpavati              |
| 15   | 4831         | Vadde Anjaneyulu    | III BA HEP | V. Anjaneyulu              |

B. V. Vinod Kumar

Department Of Economics  
Government Degree  
PATTIKONDA 518380



**Attendance Sheet 2018-19 Certificate Programme**

| S. No | Names of the Students | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|-------|-----------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1     | G. Malleswari         | P | a | a | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 2     | Avula Shiva           | a | P | P | a | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 3     | Boya Somasekhar       | P | P | P | P | P | P | P | P | P | a  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | a  |
| 4     | Chakali Damodar       | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 5     | Chakali Uma           | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | a  | P  | P  |
| 6     | Karam Nagaraj         | P | P | P | P | P | P | a | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | a  |
| 7     | Kodam Siva Naidu      | P | P | P | P | P | P | P | a | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | a  | P  | P  | P  |
| 8     | Kolantla Raju         | P | a | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 9     | Madiga Sreekanth      | a | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | a  | P  | P  |
| 10    | Mekala Ramakrishna    | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | a  | P  | P  | P  | P  | P  | P  | P  | P  |
| 11    | Nemakanti Vishnu      | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | a  | P  | P  | P  | P  | P  |
| 12    | Pamula Bajari         | P | P | P | P | P | a | P | a | a | a  | P  | P  | P  | P  | P  | P  | P  | a  | P  | P  | P  | P  | P  |
| 13    | Talari Chandra Babu   | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | a  | P  | P  | P  | P  | P  |
| 14    | Tatageri Pushpavati   | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | a  | P  | P  | P  | P  | P  |
| 15    | Vadde Anjaneyulu      | P | P | P | P | P | P | a | a | P | P  | P  | P  | P  | P  | a  | P  | P  | P  | a  | P  | P  | P  | P  |

*B. M. Vinod Kumar*

Department of Economics  
Government Degree College  
PATTIKONDA, 516 380 Kurnool (Dist.)

| S. N o | Names of the Students | 18-12-18 | 19-12-18 | 20-12-18 | 21-12-18 | 22-12-18 | 23-12-18 | 24-12-18 | 25-12-18 | 26-12-18 | 27-12-18 | 28-12-18 | 29-12-18 | 30-12-18 | 31-12-18 | 01-01-19 | 02-01-19 | 03-01-19 | 04-01-19 | 05-01-19 | 06-01-19 | 07-01-19 | 08-01-19 | 09-01-19 | 10-01-19 | 11-01-19 | 12-01-19 |
|--------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 1      | G. Malleswari         | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        |
| 2      | Avula Shiva           | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        |
| 3      | Boya Somasekhar       | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        |
| 4      | Chakali Damodar       | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        |
| 5      | Chakali Uma           | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        |
| 6      | Karam Nagaraj         | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        |
| 7      | Kodam Siva Naidu      | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        |
| 8      | Kolantla Raju         | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        |
| 9      | Madiga Sreekanth      | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        |
| 10     | Mekala Ramakrishna    | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        |
| 11     | Nemakanti Vishnu      | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        |
| 12     | Pamula Bajari         | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        |
| 13     | Talari Chandra Babu   | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        |
| 14     | Tatageri Pushpavati   | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        |
| 15     | Vadde Anjaneyulu      | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        | P        |

B. M. Vinod Kumar

Department Of Economics  
Government Degree College  
PATTIKONDA- 518380, Kurnool District



Certificate course class 2018-2019



**Government Degree College, Pattikonda**

**Department of Economics**

**Final Report of Certification Course in Agricultural and Industrial Development**

By offering a certificate course in Agricultural and Industrial Development for 45 days, the Department of Economics has made a modest start in its effort to teach and enhance the students with knowledge on Agriculture. The primary goal of the course, as previously decided, was to impart knowledge about Agriculture and Industries to the departing pupils. The demands of the final year students are taken into consideration while framing the course's fundamental framework. The aforementioned course began on November 20, 2018, and ended on January 3, 2019. The pupils' response was very positive.

The principal, Dr. M. Purushotham Reddy spoke to the students and informed them of the significance of Agriculture and Industries. He also appreciated the work of the department and complimented Dr. Vinod Kumar, HOD, who served as the course's architect. The course had a high turnout of students. Regular attendance for the classes, which ran from 05.00 PM to 6.30 PM, was 15 students.

The sessions were engaging, educational, and fascinating. The students were able to comprehend how to learn and understand Agriculture with the use of handouts, seminars, quizzes, suggested books, and engaging exercises. The pupils' confidence level was raised via brainstorming sessions, discussions, group exercises, and imprompt presentations. The Course ran its entire course of 45 days and also took informal inputs from the students for making the course better for next time.

After the successful completion of the said Certificate course, a valedictory function was held on 1.1.2019. The Principal of the College, Dr. B. M. Purusotham Reddy, graced the occasion. The meeting was presided over by the HOD (Economics), Sri Dr. Vinod Kumar. At the end of program Sri Venkata Narsaiah, Lecturer in Political Science, proposed the vote of thanks.

*B. M. Vinod Kumar*

Department Of Economics  
Government Degree College  
PATTIKONDA 518 380 Kurnool Dist.





# GOVERNMENT DEGREE COLLEGE

PATTIKONDA, KURNOOL-518380, A.P.  
AFFILIATED TO RAYALASEEMA UNIVERSITY (RU) KURNOOL  
RE-ACCREDITED BY NAAC WITH 'B' GRADE

## Department of Economics

### Certificate Of Participation

This is to certify that Mr./Miss./Mrs \_\_\_\_\_ studying  
\_\_\_\_\_ successfully completed ' \_\_\_\_\_ ,

organized by Department of Economics, Government Degree College, Pattikonda,  
Kurnool (Dt) held from \_\_\_\_\_ to \_\_\_\_\_.

*B.M. Vinod Kumar*

**Coordinator**  
Department of Economics  
Government Degree College  
PATTIKONDA-518 380 Kurnool(Dist.)

*N. Praveen*

**Principal**

GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
Kurnool Dist. A.P.

**GOVERNMENT DEGREE COLLEGE, PATTIKONDA**  
**PROPOSAL FOR THE INTRODUCTION OF CERTIFICATE COURSE IN**  
**Evolution of Telugu cinema and script writing**

DATE: 16-08-2018

From  
 Sri Sreenivasa Reddy,  
 Lecturer in History,  
 Head of Department  
 Govt. Degree College  
 Pattikonda, Kurnool (Dt).

To  
 The Principal,  
 Govt. Degree College, Pattikonda  
 Kurnool (Dt).

Respected Sir,

I would like to propose that our university conduct a certificate course IIIIBA. HEP. The claims of outgoing students are now more regularly forwarded to the History Department. From the lowest to the highest level of employment, students' skills have become useful. The History Department looks forward to launching the course with all these factors in mind.

The details of the program are

- |                                          |                                       |
|------------------------------------------|---------------------------------------|
| 1. Name of the proposed program          | : Certificate Course                  |
| 2. Duration and timings of the program   | : 30 days                             |
| 3. Start date of the program             | : August 16 2018 to September 30-2018 |
| 4. Course fee                            | : Nil                                 |
| 5. No of students expected for admission | : 52                                  |

*Srinivasa Reddy*  
 Yours faithfully  
 C.9.3  
 Lecturer in History,  
 GOVT. DEGREE COLLEGE,  
 PATTIKONDA - Kurnool Dist.  
 Head of the Department  
 (History)



**GOVERNMENT DEGREE COLLEGE, PATTIKONDA**

**Department Of History**

**Minutes of the Department meeting for the conduct of  
Certificate Course in Evolution of Telugu cinema and script writing**

Date: 20-11-2018

The Department of History, a leader in catering to student needs, has made the decision to widen opportunities for individuals graduating from our college. There is a considerable need for new graduates with employability skills due to the expanding job market, which has been particularly visible in the **Evolution of Telugu cinema and script writing**. With the straightforward objective of equipping graduating students with the requisite practical Knowledge and abilities, the Department of History has taken the initiative to provide a Certificate Course in Agricultural and Industrial Development.

On 10-08-2018, the Department of History held a meeting with its members on the College's property. The conference was led by the department head, Srinivasa reddy, and attended by, Narsaiah, and Gangadar lecturers in Commerce. The Department unanimously decided to organize the Certificate Course in Evolution of Telugu cinema and script writing for degree-seeking students at our college, with the lecturers serving as the course instructors and the Department Head serving as chairman. As promised, the Certificate Course would span 45 days.

1. Sri Srinivasa reddy, Head of the Department
2. Sri Dr. Venkata Narsaiah, Lecturer in Political Science
3. Sri Vinod kumar, Lecturer in Economics

*B. P. Reddy*  
PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
Kurnool Dist A P

**Government DEGREE COLLEGE, PATTIKONDA.**

**DEPARTMENT OF History**

**Circular**

Date: 14-08-2018

All the BA., HEP, final year degree students are hereby informed that the Department of History is going to start a certificate course in **Evolution of Telugu cinema and script writing**. The duration of the course is 30days. Students need not pay any fee for the course. The classes will commence from August 16,2018 to September 30 2018. Interested students are required to register their names in the History Department. After successful completion of the course certificate will be provided to the students.

*Srinivasa Reddy*

Coordinator

GOVT. DEGREE COLLEGE,  
PATTIKONDA, Kurnool Dist.

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## Syllabus

### **Evolution of Telugu cinema and script writing**

#### Unit-I

What is cinema-origin-Definitions scope of cinema-History of Indian cinema and its importance

Some prominent Indian film makers in other languages Satyajit ray,santha ram,K.Subramanyam,B.R.Pantulu and adoor gopalakrishnan

#### Unit-II

Evolution of telugu cinema under British rule

Mookie to talkie Filims-classical age black and white to colour Filims

Pioneers of telugu cinema Raghupati venkataiah,B.N.Reddy,Gudavalli Ramabrahmam,L.V.Prasad and K.V.Reddy

**Model question paper (2018-19)****Evolution of Telugu cinema and script writing****Maximum marks :50**

Answer any three Questions

3x10=30

- 1)What is cinema? Origin and Definitions?
- 2)Write about the History of Indian cinema?
- 3)Write about cinema under British rule?
- 4)Write Evolution of telugu cinema mookie to talkie Filims

II Answer any Four Questions

4 x5=20

1. Sathyajit ray
2. Santharam
3. K.Subramanyam
4. Raghupati venkataiah
5. B.N.Reddy
6. Gudivalli Ramabramham
7. L.V.Prasad.



## Students List Registered For 2018-19

| S.No | NAME OF THE STUDENT |
|------|---------------------|
| 1    | G. Malleswari       |
| 2    | Avula Shiva         |
| 3    | Boya Somasekhar     |
| 4    | Chakali Damodar     |
| 5    | Chakali Uma         |
| 6    | Karam Nagaraj       |
| 7    | Kodam Siva Naidu    |
| 8    | Kolantla Raju       |
| 9    | Madiga.Sreekanth    |
| 10   | Mekala Ramakrishna  |
| 11   | Nemakanti Vishnu    |
| 12   | Pamula Bajari       |
| 13   | Talari Chandra Babu |
| 14   | Tatageri Pushpavati |
| 15   | Vadde Anjaneyulu    |
|      |                     |

# Attendance Sheet 2018-19 Certificate Programme

| Names of the Students | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
|-----------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|
| G. Malleswari         | X | X | X |   | X | X | X | X | X | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  | X  |
| Avula Shiva           | X | X | X |   | X | X | X | X | X | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  | X  |
| Boya Somasekhar       | X | X | X |   | X | X | X | X | X | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  | X  |
| Chakali Damodar       | X | X | X |   | X | X | X | X | X | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  | X  |
| Chakali Uma           | X | X | X |   | X | X | X | X | X | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  | X  |
| Karam Nagaraj         | X | X | X |   | X | X | X | X | X | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  | X  |
| Kodam Siva Naidu      | X | X | X |   | X | X | X | X | X | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  | X  |
| Kolantla Raju         | X | X | X |   | X | X | X | X | X | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  | X  |
| Madiga Sreekanth      | X | X | X |   | X | X | X | X | X | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  | X  |
| Mekala Ramakrishna    | X | X | X |   | X | X | X | X | X | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  | X  |
| Nemakanti Vishnu      | X | X | X |   | X | X | X | X | X | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  | X  |
| Pamula Bajari         | X | X | X |   | X | X | X | X | X | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  | X  |
| Talari Chandra Babu   | X | X | X |   | X | X | X | X | X | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  | X  |
| Tatageri Pushpavati   | X | X | X |   | X | X | X | X | X | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  | X  |
| Vadde Anjaneyulu      | X | X | X |   | X | X | X | X | X | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  | X  |



| Names of the Students | 6/9 | 7/9 | 8/9 | 9/9 | 10/9 | 11/9 | 12/9 | 13/9 | 14/9 | 15/9 | 16/9 | 17/9 | 18/9 | 19/9 | 20/9 | 21/9 | 22/9 | 23/9 | 24/9 | 25/9 | 26/9 | 27/9 | 28/9 |
|-----------------------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                       | 23  | 24  | 25  | 26  | 27   | 28   | 29   | 30   | 31   | 32   | 33   | 34   | 35   | 36   | 37   | 38   | 39   | 40   | 41   | 42   | 43   | 44   | 45   |
| Malleswari            | X   | X   |     |     | X    | X    | X    | X    | X    | X    |      | X    | X    | X    | X    | X    |      |      |      |      |      |      |      |
| Avula Shiva           | X   | X   |     |     | X    | X    | X    | X    | X    | X    |      | X    | X    | X    | X    | X    |      |      |      |      |      |      |      |
| Boya Somasekhar       | X   | X   |     |     | X    | X    | X    | X    | X    | X    |      | X    | X    | X    | X    | X    |      |      |      |      |      |      |      |
| Chakali Damodar       | X   | X   |     |     | X    | X    | X    | X    | X    | X    |      | X    | X    | X    | X    | X    |      |      |      |      |      |      |      |
| Chakali Uma           | X   | X   |     |     | X    | X    | X    | X    | X    | X    |      | X    | X    | X    | X    | X    |      |      |      |      |      |      |      |
| Karam Nagaraj         | X   | X   |     |     | X    | X    | X    | X    | X    | X    |      | X    | X    | X    | X    | X    |      |      |      |      |      |      |      |
| Kodam Siva Naidu      | X   | X   |     |     | X    | X    | X    | X    | X    | X    |      | X    | X    | X    | X    | X    |      |      |      |      |      |      |      |
| Kolantla Raju         | X   | X   |     |     | X    | X    | X    | X    | X    | X    |      | X    | X    | X    | X    | X    |      |      |      |      |      |      |      |
| Madiga.Sreekanth      | X   | X   |     |     | X    | X    | X    | X    | X    | X    |      | X    | X    | X    | X    | X    |      |      |      |      |      |      |      |
| Mekala Ramakrishna    | X   | X   |     |     | X    | X    | X    | X    | X    | X    |      | X    | X    | X    | X    | X    |      |      |      |      |      |      |      |
| Nemakanti Vishnu      | X   | X   |     |     | X    | X    | X    | X    | X    | X    |      | X    | X    | X    | X    | X    |      |      |      |      |      |      |      |







# GOVERNMENT DEGREE COLLEGE

PATTIKONDA, KURNOOL-518880, A.P.  
AFFILIATED TO RAYALASEEMA UNIVERSITY (RU) KURNOOL  
RE-ACCREDITED BY NAAC WITH 'B' GRADE

**Department of \_\_\_\_\_**

## Certificate Of Participation

This is to certify that Mr./Miss./Mrs. \_\_\_\_\_ studying  
\_\_\_\_\_ successfully completed ' \_\_\_\_\_ '

Organized by Department of \_\_\_\_\_, Government Degree College,  
Pattikonda, Kurnool(Dt) held from \_\_\_\_\_ to \_\_\_\_\_.

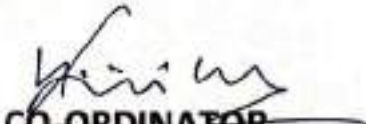
Coordinator

Principal





**GOVERNMENT DEGREE COLLEGE::PATTIKONDA  
DEPARTMENT OF PHYSICS  
CERTIFICATE COURSE  
ON  
AC AND DC APPLIANCES  
2018-19**

  
**CO-ORDINATOR**

  
**PRINCIPAL**  
Govt Degree College  
PATTIKONDA, Kumool Dist

**GOVERNMENT DEGREE COLLEGE, PATTIKONDA**

**Department Of PHYSICS**

**Minutes of the Department meeting for the conduct of  
Certificate Course on ACAND DC APPLIANCES**

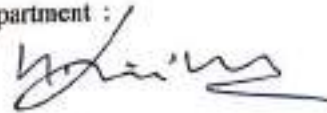
Date:10.08.2018

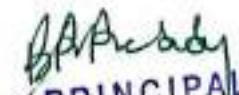
The Department of Physics, a leader in catering to student needs, has made the decision to widen opportunities for individuals graduating from our College. There is a considerable need for new graduates with technical skills due to the expanding job market, which has been particularly visible in the private sector. With the straightforward objective of equipping graduating students with the requisite practical and technical abilities, the Department of Physics has taken the initiative to provide a Certificate Course in House Wiring.

On 10.08.2018 ,the Department of Physics held a meeting with its members on the College's property. The conference was led by the department head, Sri.A.Ravisankar Sharma, and attended by, Dr.G.Srinivasulu, in the laboratory. The Department unanimously decided to organize the Certificate Course on AC AND DC APPLIANCES for degree-seeking students at our College, with the lecturers serving as the course instructors and the Department Head serving as chairman. As promised, the Certificate Course would span 45 days.

1. Sri.A.Ravisankar Sharma, Head of the Department :

2. Dr.G.Srinivasulu, Lecturer in Physics :



  
PRINCIPAL  
Govt. Degree College  
PATTIKONDA, Kurnool Dist

**GOVERNMENT DEGREE COLLEGE, PATTIKONDA**  
**PROPOSAL FOR THE INTRODUCTION OF CERTIFICATE COURSE ON**  
**AC AND DC APPLIANCES**

DATE: 14.08.2018

From  
Sri.A.Ravisankar Sharma,  
Lecturer in Physics,  
Head of Department  
Govt. Degree College  
Pattikonda, Kurnool (Dt).

To  
The Principal,  
Govt. Degree College, Pattikonda  
Kurnool (Dt),

Respected Sir,

I would want to suggest that our college hold a certificate programme on "AC AND DC APPLIANCES". The demands of departing students are now more regularly communicated to the Department of Physics. From the lowest to the highest levels of employment, this Programme has become essential to the students. The Department of Physics is excited to start the course taking into account all of these factors.

The details of the program are

- |                                           |                      |
|-------------------------------------------|----------------------|
| 1. Name of the proposed program           | : CERTIFICATE COURSE |
| 2. Duration and timings of the program    | : 45 DAYS            |
| 3. Start date of the program              | : 17.08.2018         |
| 4. Course fee                             | : Rs.000             |
| 5. No. of students expected for admission | : 20                 |

Yours faithfully  
  
Department of Physics  
Govt. Degree College  
Head of the Department of Physics



**GOVERNMENT DEGREE COLLEGE, PATTIKONDA.**

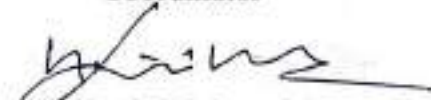
**DEPARTMENT OF PHYSICS**

**Circular**

Date: 15.08.2018

All the B.Sc. M.P.Cs Second year degree students are hereby informed that the Department of Physics is going to start a certificate course in 'House Wiring'. The duration of the course is 20 days. Students need not pay any fee for the course. The classes will commence from 17.08.2018. Interested students are required to register their names in the Physics Department. After successful completion of the course certificate will be provided to the students.

Coordinator



(Dr.G.Srinivasulu)

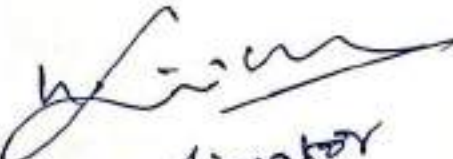
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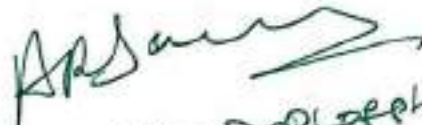
**Copy to the Notice Board**

**Copy for Circulation among the Students**

Students List Registered For AC AND DC APPLIANCES 2018-19

| S.No | NAME OF THE STUDENT |
|------|---------------------|
| 1    | K.SATHISH           |
| 2    | B.MAHESH BABU       |
| 3    | G.SASI KUMAR        |
| 4    | K.SARITHA           |
| 5    | K.MALLIKARJUNA      |
| 6    | L.RAJASEKHAR        |
| 7    | M.RAJESH            |
| 8    | P.SIVASANKAR PRASAD |
| 9    | P.RAJESH KUMAR      |
| 10   | P.SANDHYA           |
| 11   | R.RAVI TEJA         |
| 12   | S.RAMESH            |
| 13   | P.NEELA KANTA       |
| 14   | Y.SRIRANGADU        |
| 15   | Y.SRIKANTH          |
| 16   | A.DADAVALI          |
| 17   | D.UPENDRA           |
| 18   | D.LOKESU            |
| 19   | D.RANGASWAMY        |
| 20   | G.RUVENDRA          |

  
coordinator

  
I/c of the Dept of physics

# AC AND DC APPLIANCES

SYLLABUS AND COURSE OUTCOMES



### Training outcomes:-

At the end of the training, the candidates will be able to

1. Appreciate the importance of embarking on self-employment and has developed the confidence and personal skills for the same.
2. Identify business opportunities in chosen sector / sub-sector and plan and market and sell products / services
3. Start a small business enterprise by liaising with different stake holders
4. Effectively manage small business enterprise
5. Understand the Fundamentals of Electrical equipments, electricity, current, voltage, power and circuits of different capacity motors.
6. Perform House wiring / Hospital Wiring / Office /Go-down wiring etc.
7. Identify the cable sizes and perform cable jointing

### Syllabus:-

1. Candidate is clearly able to differentiate between Wage employment, Self-employment and Entrepreneurship
2. Understand, appreciate and develop the self-confidence for embarking on self-employment/entrepreneurship.
3. Understand and internalize entrepreneurial competencies and know their importance for becoming a successful entrepreneur.
4. Trainee is able to understand the legal and regulatory aspects of launching an enterprise.
5. Trainee is able to appreciate need for continuous growth and expansion of an enterprise

Model question paper (2018-19)  
AC AND DC APPLIANCES Certificate Course

Time 01:30 Hrs

Maximum Marks :50

Each question carries 8 marks (8\*5)

1. Do the lights dim when appliances work?
2. Have you ever upgraded your electrical service?
3. What are the essential precautions at service break?
4. What are AC and DC supply?
5. What is M.C.B?

Each question carries one mark (1\*10)

1. \_\_\_\_\_ is the Electricians knife.  
(A) Double blade  
(B) Cutter  
(C) Blade  
(D) Tester
2. Electric Wire usually made of \_\_\_\_\_.  
(A) Tin  
(B) Steel  
(C) Copper  
(D) Iron
3. Which effect of current applied in ceiling fan?  
(A) Heating  
(B) Chemical  
(C) Magnetic  
(D) Gas Ionization
4. Unit of Electrical Resistance?  
(A) Volt  
(B) Ohm  
(C) Watt  
(D) Ampere

5. Which color of Protective conductor?

- (A) G-Y
- (B) G-R
- (C) G-B
- (D) G-B-L

6. CTS stand for?

- (A) cable
- (B) type
- (C) sheathed
- (D) Cable tyro seethed

7. SWG 22 wire in mm?

- (A) 1.016
- (B) 1.219
- (C) 0.711
- (D) 0.914

8. EPR stands for?

- (A) ethylene
- (B) propylene
- (C) rubber
- (D) Ethylene propylene rubber

9. How many types of oil filled cables?

- (A) 2
- (B) 3
- (C) 6
- (D) 8

10. Metallic tubing type?

- (A) EMT
- (B) RNMC
- (C) ENT
- (D) GRC







# GOVERNMENT DEGREE COLLEGE

PATTIKONDA, KURNOOL-518380, A.P.

AFFILIATED TO RAYALASEEMA UNIVERSITY (RU) KURNOOL

RE-ACCREDITED BY NAAC WITH 'B' GRADE

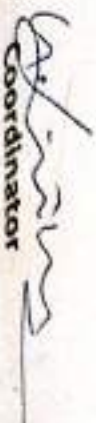
DEPARTMENT OF PHYSICS

## Certificate of Participation

This is to certify that Mr./Miss./Mrs. K.SATHISH studying II B.Sc. M.P.Cs successfully

Completed 'AC AND DC APPLIANCES' Organized by Department of Physics, Government Degree College,  
Pattikonda,

Kurnool (DT) held from 17.08.2018 to 10.10.2018.

  
Coordinator

  
Principal



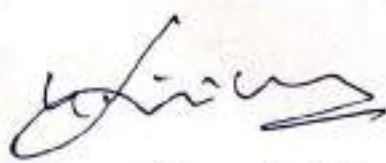
**Government Degree College, Pattikonda**  
**Department of Physics**  
**Final Report of Certification Course in House Wiring**

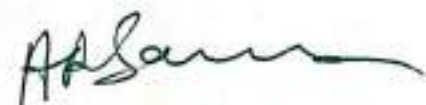
House wiring was developed by the Department of Physics with the help of the Principal, Dr. B.Purushotam Reddy, for the College's students. By offering a certificate course in House wiring for 20 days, the Department of Physics has made a modest start in its effort to teach and enhance the students with practical knowledge of the House wiring. The primary goal of the course, as previously decided, was to impart House wiring knowledge to the departing pupils. The demands of the final year students are taken into consideration when creating the course's fundamental framework. The aforementioned course began on August 17, 2018, and ended on 10 Oct, 2018. The pupils' response was very positive. The Seminar Hall was crowded with eager students for its first presentation.

The principal, Dr. B.Purushotam Reddy, spoke to the students and informed them of the significance of technology in both the social and business spheres. He also praised the work of the department of business and complimented Sri A.RAVISANKAR SHARMA, HOD, who served as the course's architect. The course had a high turnout of students. Regular attendance for the classes, which ran from 04.00 PM to 6:00 PM, was 20 students.

The sessions were engaging, educational, and fascinating. The students were able to comprehend how to learn and understand House wiring with the use of hands-on activities, films, handouts, seminars, quizzes, suggested books, and engaging exercises. The pupils' confidence level was raised via brainstorming sessions, discussions, group exercises, and impromptu presentations. The complete course took place, The Course ran its entire course of 20 days and also took informal inputs from the students for making the course better next time.

After the successful completion of the said Certificate course, a valedictory function was held on 10<sup>th</sup> OCT 2018. The Principal of the College, Dr. B.Purushotam Reddy, graced the occasion. The meeting was presided over by the HOD (Physics), Sri A.Ravisankar sharma. At the end of program Dr.G. Srinivasulu, Lecturer in Physics, proposed the vote of thanks.

  
Coordinator

  
HOD of Dept Physics



**Government Degree College, Pattikonda**

**Pattikonda, Kurnool-518380, A.P.**

**Affiliated to Rayalaseema University Kurnool-**

**Re- Accredited By NAAC with 'B' Grade**

**Department of Political Science**

**A**

**Certificate Course in  
Indian Government and Politics  
2018-2019**

# GOVERNMENT DEGREE COLLEGE, PATTIKONDA

## Department of Political Science


### Minutes of the Department meeting for the conduct of Certificate Course in Indian Government and Politics

Date: 15-10-2019

The Department of political science a leader in meeting student needs has decided to increase the number of opportunities available to College graduates. Due to the growing job market, which is especially evident in the globalized sector, there is a significant need for recent graduates with political knowledge. The Department of political science has taken the initiative to offer a Certificate Course in Communication Skills with the simple goal of giving graduating students the necessary practical and public speaking skills.

The Department of Political science met with its members on the College's property on 15-10-2019 the Department unanimously decided to set up the Certificate Course in communication skills for degree seeking students at our College, with the lecturers serving as course instructors and the Department Head acting as chairman. The conference was presided over by department head K.V.NARASIAH. The Certificate Course would last 45 days as promised.

1. Sri K.V.Narasaiah, Head of the Department :

  
Principal  
PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518380  
Kurnool Dist A P

# Government Degree College, Pattikonda

Proposal for the Introduction of Certificate

Course in

## 18-19 Indian Government and Politics

Date: 14-10-2019

From  
Sri. K.V.Narasaiah,  
Lecturer in Political Science,  
Head of Department  
Govt. Degree College  
Pattikonda, Kurnool (Dt).

To  
The Principal,  
Govt. Degree College, Pattikonda  
Kurnool (Dt),

Respected Sir,

The Department of political science will hold a certificate course in Indian Government and Politics. The course is in response to the demand of departing students. The Department of Political Science is enthusiastic about starting the course, considering all these factors. Details of the program will be provided.

1. Name of the proposed program : A Certificate course in Western Political Thought
2. Duration and timings of the program : 45 days
3. Start date of the program : 22-10-2019 to 08-12-2019
4. Course fee : free
- 5.No,of students expected for admission: 15

Yours faithfully

Head of Department Political Science



**Government Degree College, Pattikonda.**

**Department of Political Science**

**Date: 06-10-2019**

**Circular**

Political Science Department is starting a certificate course in Indian government and politics for the duration of the course, which will last 45 days. There is no fee required for the course, and classes will commence on 22-10-2019. If you're interested in enrolling, please register your name with the department soon! After successfully completing the course, you'll receive a certificate.

  
Coordinator

Copy to the Library Notice Board

Copy to the Notice Board

Copy for Circulation among the Students

**List of Students Registered for  
Indian Government and Politics 2018-19**

| S.No | Name Of The Students | Remarks |
|------|----------------------|---------|
| 1    | G. Malleswari        |         |
| 2    | Avula Shiva          |         |
| 3    | Bestha Bharath Kumar |         |
| 4    | Bonala Ramcharan     |         |
| 5    | Boya Govindu         |         |
| 6    | Boya Rangaswamy      |         |
| 7    | Boya Ravi            |         |
| 8    | Boya Somasekhar      |         |
| 9    | Boya Venkatesh       |         |
| 10   | Boya Venkatesh       |         |
| 11   | Bulleni Parasuram    |         |
| 12   | Chakali Damodar      |         |
| 13   | Chakali Nagaraju     |         |
| 14   | Chakali Ramu         |         |
| 15   | Chakali Sreekanth    |         |

Attendance Sheet 2018-19 Certificate Course in Indian Government And Politics

[illegible]





## Government Degree College, Pattikonda

Pattikonda, Kurnool-518380, A.P.

Affiliated to Rayalaseema University (RU) Kurnool-

Re- Accredited By NAAC with 'B' Grade

# Department of Political Science

### Certificate of Participant

This is to certify that

Mr./Miss./Mrs. \_\_\_\_\_ studying \_\_\_\_\_ success fully completed 'A

Certificate Course in **Indian government and politics** ' Organized by Department of Political Science, Government

Degree College, Pattikonda, Kurnool (Dt) held from 22-10-2019 to 08-12-2019.

Coordinator

Principal

# **Model Question Paper (2018-19)**

## **A Certificate Course in Western Political Thought**

Time 01:30

Maximum Marks: 50

---

**Answer the Following questions:**

- Explain the brief history of national movement
- Explain the feature of Indian Constitution
- Describe main provisions of the 1935 Indian act
- Write a note on the fundamental duties
- Explain Minto Morley reforms the Indian counsel act 1909

# **Government Degree College, Pattikonda**

## **Department of Political Science**

### **Final Report of Certificate Course**

**in**

### **Indian Government and Politics**

This Programme was developed by political science department with the help of the Principal for college students. By offering the 45-day Certificate course in **Indian Government and Politics**

, the political science Department has made a humble beginning in its efforts to teach and improve students' practical knowledge. The requirements of final year students are taken into account when creating the basic framework of the course. The above mentioned course started on 22-10-2019 and ended on 08-12-2019. The feedback from the students was very positive. The seminar hall was full of students waiting for their first presentation.

The Principal, spoke to the students and knowledgeable them of the importance of generation in both the social and enterprise spheres. He additionally praised the paintings of the department of political science and complimented Sri.K.V.NARASIAH, HOD, who served as the route's architect. The periods were attractive, academic and fascinating. The pupils' confidence degree becomes raised through brainstorming classes, discussions, organization sporting activities, and impromptu displays. The complete direction took place; the course ran its complete direction of forty five days and additionally took informal inputs from the scholars for making the direction higher next time. Upon the successful completion of the aforementioned Certificate programme, a farewell celebration was organized on the last day of the programme. The event was graced by the college's principal



# ప్రభుత్వ డిగ్రీ కళాశాల, పత్తికొండ

తెలుగు శాఖ

సర్టిఫికేట్ కోర్స్ నిర్వహించాలని తెలుగు శాఖ తీర్మానం.

తేది: 23/07/2018

తెలుగు శాఖ ఆధ్వర్యంలో డిగ్రీ చిప్, చికాం, చియస్సి విద్యార్థులకు సర్టిఫికేట్ కోర్స్ నిర్వహించాలని తీర్మానించాము. అందులో భాగంగా విద్యార్థులకు ప్రింట్ మీడియా, పబ్లికేషన్ మీడియా, మరియు ప్రసారమాధ్యమాల్లో ఇంగ్లీషు నుండి తెలుగులో అనువదించడానికి ఉపయోగపడే విధంగా Utilizing Telugu Softwares in Telugu DTP అనే సర్టిఫికేట్ కోర్స్ ను నిర్వహించాలని తీర్మానించుకున్నాము.

23-07-2018 తేదిన తెలుగు శాఖ ఆధ్వర్యంలో సమావేశం జరిగింది. ఈ సమావేశానికి అధ్యక్షులు గా అధ్యాపకులు కె.రామాంజనేయులు పాల్గొన్నారు. దీనిని కళాశాల ప్రెన్సిపాల్ గారి ఆదేశాల మేరకు 30 రోజుల కాలవ్యవధిలో సర్టిఫికేట్ కోర్స్ నిర్వహించాలని తీర్మానించుకున్నాము.

— K. Ramana M.  
కె.రామాంజనేయులు (తెలుగు శాఖాధ్యక్షులు)  
Lecturer in Telugu  
Govt. Degree College,  
PATTIKONDA, Kurnool Dist

ప్రిన్సిపాల్  
GOVT. DEGREE COLLEGE  
PATTIKONDA-518 380  
Kurnool Dist A P

## ప్రభుత్వ డిగ్రీ కళాశాల, పత్తికొండ

తెలుగు కాబ

ప్రభుత్వ డిగ్రీ కళాశాల పత్తికొండ

కళాశాల ప్రెసిడెంట్

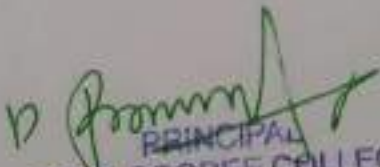
ప్రభుత్వ డిగ్రీ కళాశాల పత్తికొండ

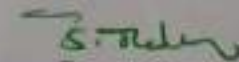
విషయం: Utilizing Telugu Software's in Telugu DTP సర్టిఫికేట్ కోర్స్ ప్రారంభించడానికి  
అనుమతి కోరకు:

ప్రభుత్వ డిగ్రీ కళాశాల పత్తికొండ తెలుగు కాబ అధ్యక్షులలో డిగ్రీ మూడవ సంవత్సరం విద్యార్థులకు  
సర్టిఫికేట్ కోర్స్ నిర్వహించాలని తెలుగు కాబ తీర్మానించింది. నేటి సమాజంలో పత్రికల ప్రభావం పైంట్ మీడియా  
ఎలక్ట్రానిక్ మీడియా ప్రసార మాధ్యమాల ప్రభావం ఎక్కువగా ఉంది. విద్యార్థులు వాటిలో అవకాశాలు వొందాలా  
తెలుగు కాబ Utilizing Telugu Softwares in Telugu DTP సర్టిఫికేట్ కోర్స్ నిర్వహించడానికి  
అనుమతించగలరు.

### కోర్సు వివరాలు

|                          |                                            |
|--------------------------|--------------------------------------------|
| కోర్సు పేరు              | : Utilizing Telugu Softwares in Telugu DTP |
| కోర్సు కాల వ్యవధి సమయం   | : 30 సా. 5 నుండి 6 గంటల వరకు               |
| ప్రారంభ తేదీ             | : 1 ఆగష్టు 2018 -22-09-2018                |
| కోర్సు ఫీజు              | : ఏమీ లేదు                                 |
| మొత్తం విద్యార్థుల సంఖ్య | : 40                                       |

  
PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
Kurnool Dist A P

  
Lecturer in Telugu  
Govt. Degree College,  
PATTIKONDA, Kurnool Dist


తెలుగు శాఖ

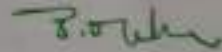
సర్క్యులర్

25-07-2018

కళాశాలలో బిఏ చదువుతున్న విద్యార్థులు అందరికీ తెలుగు శాఖ తెలియజేయునది ఏమనగా తెలుగు శాఖ Utilizing Telugu Softwares in Telugu DTP అనే సర్టిఫికేట్ కోర్సులు 30 రోజుల వ్యవధిలో ఎలాంటి రుసుము లేకుండా నిర్వహిస్తుంది. కోర్సు 01-08-2018-వేదిన ప్రారంభం అవుతుంది అసక్తిగల విద్యార్థులు పేరు నమోదు చేసుకోండి. కోర్స్ పూర్తి అయిన తర్వాత సర్టిఫికేట్ కూడా జారీ చేయబడును కావున విద్యార్థులందరూ ఈ అవకాశాన్ని సద్వినియోగం చేసుకోగలరు.

ఇట్లు

  
PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518380  
Kurnool Dist AP

  
తెలుగు శాఖ  
Lecturer in Telugu  
Govt. Degree College,  
PATTIKONDA, Kurnool Dist



# ప్రభుత్వ డిగ్రీ కళాశాల, పత్తికొండ

తెలుగు కాఫీ


## Utilizing Telugu Softwares in Telugu DTP

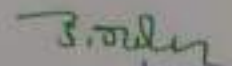
సర్టిఫికేట్ కోర్స్ తుది నివేదిక

తెలుగు కాఫీ ఆధ్వర్యంలో చిపి, చికాం, చిపిన్స్ విద్యార్థులకు తెలుగు టైపింగ్ సర్టిఫికేట్ కోర్సు 30 రోజుల కాలవ్యవధిలో నిర్వహించాలని కళాశాల ప్రెసిసిపల్ గారి ఆధ్వర్యంలో చిర్యానం జరిగింది. డిగ్రీ ప్రెసిలియర్ విద్యార్థులు కోర్స్ అయిపోయిన తర్వాత వారికి ఉపయోగపడే విధంగా భాషా నైపుణ్యాలను నేర్పించడం ఈ కోర్సు యొక్క ప్రధాన ఉద్దేశం. ప్రాంత మిడియా, ఎలక్ట్రానిక్ మిడియా, ప్రసార మాధ్యమాలను దృష్టిలో ఉంచుకొని కోర్సు రూపొందించడం జరిగింది.

సర్టిఫికేట్ కోర్స్ ప్రారంభ సమావేశంలో విద్యార్థులు చాలా ఉత్సాహంగా పాల్గొన్నారు. ప్రెసిసిపల్ గారు విద్యార్థులను ఉద్దేశిస్తూ నేటి సమాజం మీద మిడియా, పత్రిక రంగాలు అత్యంత ప్రభావాన్ని చూపిస్తున్నాయి ఈ రంగాల్లో ఉద్యోగ అవకాశాలు పొందేలా ఈ సర్టిఫికేట్ కోర్స్ మీకు చాలా ఉపయోగపడుతుంది కాలట్టి విద్యార్థులు ఈ అవకాశాన్ని ఉపయోగించుకుని ఆయా రంగాల్లో ముందుకొనాలని విద్యార్థులకు సూచించారు.

విద్యార్థులు కోర్స్ నెదురుకునే సమయంలో కంప్యూటర్ లో Utilizing Telugu Softwares in Telugu DTP చేయడం, కి బోర్డు ను ఉపయోగించడం, ఇంగ్లీష్ నుండి తెలుగు అనువదించడం మొదలైన విషయాలన్నింటినీ భాగ్ బోర్డ్ ఉపయోగిస్తూ, ఐ సి టి క్లాసు ఉపయోగిస్తూ బోధించడం జరిగింది. తర్వాత విద్యార్థులను లాంగ్వేజ్ ల్యాబ్ కి తీసుకొని పులి విద్యార్థి పైన ప్రత్యేక శ్రద్ధతో టైపింగ్ ప్రాక్టీస్ చేయించాము. రెండు వారాల తర్వాత విద్యార్థికి అంగ్ల వాక్యాలను ఇచ్చి తెలుగులో టైప్ చేయమని సూచించాము. మొత్తం 45 రోజుల పాటు కోర్సు కొనసాగింది. కోర్స్ పూర్తయిన తర్వాత విద్యార్థులకు ముగింపు సమావేశంలో ప్రెసిసిపల్ గారి చేతుల మీదుగా సర్టిఫికేట్లు జారీ చేసి కోర్సును విజయవంతంగా ముగించాము.

  
PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
Kurnool Dist A P

  
Lecturer  
Govt. Degree College,  
PATTIKONDA, Kurnool Dist



## Government Degree College, Pattikonda

Pattikonda, Kurnool-518380, A.P.

Affiliated to Rajaseema University (RU) Kurnool

Re-Accredited By NAAC with 'B' Grade

## Department of Telugu

### Certificate of Participant

This is to certify that Mr./Miss./Mrs. \_\_\_\_\_ studying \_\_\_\_\_ success fully completed 'A' Certificate

Course in Utilizing Telugu <sup>softwares in Telugu DTP</sup> Organized by Department of Telugu, Government Degree College, Pattikonda, Kurnool (Dt) held from 01/08/2018 to

22-09-2018

*S. Srinivas*  
-Coordinator-  
MA, BEd NET  
Lecturer in Telugu  
Govt. Degree College,  
PATTIKONDA, Kurnool Dist

*N. Prasad*  
GOVT DEGREE COLLEGE  
PATTIKONDA-518380  
Kurnool Dist A.P.


# List of Students Registered for certificate course 2018-19

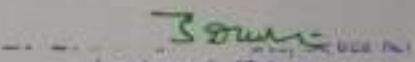
Utelizing Telugu Software In Telugu Tip  
A Certificate Course in Bala Vyaakaranam

| S.No | Hall Ticket Number | Name of the Students | Signature of the student |
|------|--------------------|----------------------|--------------------------|
| 1    | 171048001          | A.Ravi Kumar         | A. Ravi Kumar            |
| 2    | 171048006          | B.K.Suresh           | B. K. Suresh             |
| 3    | 171048007          | B.Mohan              | Mohan                    |
| 4    | 171048003          | B.Prudhvira]         | Prudhvira]               |
| 5    | 171048002          | B.Ultheppa           | ultheppa.                |
| 6    | 171048005          | B.Govindu            | Govindu.                 |
| 7    | 171048004          | B.Swathi             | Swathi                   |
| 8    | 171048010          | C.Ashok              | Ashok                    |
| 9    | 171048008          | C.Pawan Kumar        | Pawan Kumar              |
| 10   | 171048012          | G.Muni Swami         | Muni Swami               |
| 11   | 171048011          | G.Chennakesavulu     | chennakesavulu           |
| 12   | 171048014          | G.VenkataRamudu      | venkata Ramudu.          |
| 13   | 171048013          | G.Radhamma           | Radhamma                 |
| 14   | 171048015          | H.Dharmendra         | Dharmendra               |
| 15   | 171048020          | K.Karthik            | Karthik                  |
| 16   | 171048021          | K.Pulisekhar         | Pulisekhar.              |
| 17   | 171048018          | K.Arshiya            | Arshiya                  |
| 18   | 171048019          | K.Harikrishna        | Harikrishna              |
| 19   | 171048030          | M.Vinash             | Vinash                   |
| 20   | 171048024          | M.Mareppa            | Mareppa                  |
| 21   | 172048001          | B.Suvarna            | Suvarna                  |
| 22   | 172048002          | B.Veeranjineyulu     | veeranjineyulu           |
| 23   | 172048003          | C.Mohan              | Mohan                    |
| 24   | 172048004          | D.Durgaprasad        | Durgaprasad              |
| 25   | 172048005          | G.Lalu Kumar         | lalu Kumar               |
| 26   | 172048006          | K.Ravi               | Ravi                     |
| 27   | 172048007          | K.Vikranth           | Vikranth                 |



|    |           |                 |                  |
|----|-----------|-----------------|------------------|
| 28 | 172048008 | M.Rajasekhar    | Rajasekhar       |
| 29 | 172048012 | M.Ramesh        | Ramesh           |
| 30 | 172048009 | M.Suryanarayana | Suryanarayana    |
| 31 | 172048013 | N.Suresh Babu   | Suresh Babu      |
| 32 | 172048014 | P.Sekhar        | Sekhar           |
| 33 | 172048015 | S.Munindra      | Munindra         |
| 34 | 172048016 | S.Roshan        | Roshan           |
| 35 | 172048018 | Y.Rajesh        | Rajesh           |
| 36 | 173048068 | U.Swapna        | Swapna           |
| 37 | 173048055 | A.Dadavali      | Dadavali         |
| 38 | 173048056 | D.Upendra       | Kasinath upendra |
| 39 | 173048058 | G.Kasinath      | Kasinath         |
| 40 | 173048057 | G.Thimmappa     | Thimmappa        |

  
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 Kurnool Dist A.P.

  
 Lecturer in Telugu  
 Govt. Degree College,  
 PATTIKONDA, Kurnool Dist

Utilizing Telugu Softwares In Telugu DTP.

## Attendance Sheet 2018-19 Certificate Course in BalaVyaakaranam

| S.No | Names of the Students | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
|------|-----------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1    | A.Ravi Kumar          | X | X | X | O | X | X | X | X | X | X  | X  | X  | O  | O  | X  | X  | X  | X  | X  | X  | O  | X  | X  | X  | X  | X  | X  | X  | X  |
| 2    | B.K.Suresh            | X | O | X | X | X | X | O | X | X | X  | O  | X  | X  | X  | X  | X  | X  | O  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 3    | B.Mohan               | X | X | X | O | X | O | X | X | X | O  | X  | X  | X  | X  | X  | O  | O  | X  | X  | X  | O  | O  | X  | X  | X  | O  | O  | X  | X  |
| 4    | B.Prudhviraj          | X | X | X | X | X | X | X | X | X | X  | X  | X  | O  | X  | X  | X  | X  | X  | O  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 5    | B.Ultheppa            | O | X | X | X | X | X | X | X | X | X  | O  | X  | X  | O  | X  | X  | X  | X  | X  | X  | O  | O  | X  | O  | X  | X  | X  | X  | X  |
| 6    | B.Govindu             | X | X | O | X | X | O | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 7    | B.Swathi              | X | X | X | X | X | X | X | X | X | X  | X  | X  | O  | X  | X  | X  | X  | X  | X  | X  | X  | X  | O  | X  | X  | X  | X  | X  | X  |
| 8    | C.Ashok               | X | X | X | X | O | X | X | X | O | X  | X  | X  | X  | O  | X  | X  | X  | X  | X  | X  | O  | X  | X  | X  | X  | O  | X  | X  | O  |
| 9    | C.Pawan Kumar         | X | O | X | X | X | X | X | X | X | O  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | O  | O  | X  | X  | X  |
| 10   | G.Muni Swami          | X | X | X | X | X | X | X | X | O | X  | X  | X  | X  | X  | X  | O  | X  | X  | X  | X  | X  | O  | X  | X  | X  | X  | X  | X  | X  |
| 11   | G.Chennakesavulu      | X | X | X | O | X | X | O | X | X | X  | X  | O  | X  | X  | X  | X  | X  | X  | X  | X  | X  | O  | O  | X  | X  | X  | O  | X  | X  |
| 12   | G.VenkataRamudu       | X | X | X | X | X | X | X | X | X | X  | X  | O  | X  | X  | O  | X  | X  | X  | O  | X  | X  | X  | X  | X  | X  | X  | X  | X  | O  |
| 13   | G.Radhamma            | X | X | X | X | X | X | X | X | X | O  | O  | X  | X  | X  | X  | X  | X  | X  | O  | X  | X  | X  | X  | X  | O  | O  | X  | X  | X  |
| 14   | H.Dharmendra          | X | X | X | O | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | O  | X  | X  | X  | X  | X  | O  | X  | X  | X  | X  | X  | X  |
| 15   | K.Karthik             | X | X | X | X | X | O | X | X | X | O  | X  | X  | X  | X  | O  | X  | X  | X  | X  | X  | X  | X  | O  | X  | X  | X  | X  | X  | X  |
| 16   | K.Pulisekhar          | X | O | O | X | X | X | X | X | O | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | O  | O  | X  | X  | O  | X  | X  | X  | O  | X  |
| 17   | K.Arshiya             | X | X | X | X | X | O | X | X | X | O  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | O  | X  |
| 18   | K.Harikrishna         | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | O  | X  | X  | X  |
| 19   | M.Vinash              | X | X | X | X | X | X | X | X | O | X  | X  | X  | X  | X  | O  | X  | X  | X  | X  | O  | X  | X  | O  | X  | X  | X  | O  | X  | X  |
| 20   | M.Mareppa             | O | X | X | X | X | X | X | X | X | X  | O  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | O  | X  | X  | O  | O  | X  | X  | X  |
| 21   | B.Suvarna             | X | X | O | X | X | X | X | X | X | O  | X  | X  | X  | X  | X  | X  | O  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 22   | B.Veeranjineyulu      | X | X | X | X | O | X | X | X | X | X  | O  | X  | X  | X  | X  | O  | X  | X  | X  | X  | X  | O  | O  | X  | X  | O  | X  | X  | X  |







**GOVERNMENT DEGREE COLLEGE, PATTIKONDA**  
**Reaccredited with NAAC B Grade**

2018-19 Proposals for the Introduction of Certificate

Course in

**Poultry Broiler Management**

Date: 07-08-2018

From  
P.Ramanjaneyulu  
Lecturer in Zoology,

To  
The Principal,  
Govt. Degree College, Pattikonda  
Kurnool (Dt),

Govt. Degree College  
Pattikonda, Kurnool (Dt).

Respected Sir,

I would like to suggest that the department of Zoology is going to organize a certificate Course in Poultry Broiler Management basing on the demands of departing student who are now more regularly communicated to the Department of Zoology from the lowest to the highest levels of employment, this course has become fruitful to students. The Department of Zoology is excited to start the course taking into account all of these factors. This course is also very useful for the students for their self employment.

The details of the program are

- |                                           |                                                      |
|-------------------------------------------|------------------------------------------------------|
| 1. Name of the proposed program           | : A Certificate course in Poultry Broiler Management |
| 2. Duration and timings of the program    | : 45 days                                            |
| 3. Start date of the program              | : 12-08-2018                                         |
| 4. Course fee                             | : free                                               |
| 5. No. of students expected for admission | : 30                                                 |

Yours faithfully

P. Ramanjaneyulu

In charge of the Department

# Government Degree College, Pattikonda.

## Department of Zoology 2018-2019

Date: 09-08-2018

### Circular

Zoology Department is starting a certificate course in poultry and Broiler Management for final year Students, the duration of the courses, which will last 45 days. There is no fee required for the course, and classes will commence on 12-08-2018. If you're interested in enrolling, please register your name at the department soon! After successfully completing the course, you'll receive a certificate.

*P. Ramasamy*  
Lecturer in Zoology  
Coordinator College,  
PATTIKONDA-518 500, Kurnool Dt.

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Copy for Circulation among the Students



## 2018-2019

Name of the Institute Gout Degree College, Paltan

Section: Unit 12 Sec. 12.2

Place 12.8.2018 to 03.10.2018

| Sl. No | R.U. Regd. No. | NAMES             | 13-8-18 | 14-8-18 | 17-08-18 | 18-08 | 19-08 | 21-08 | 22-08 | 23-08 | 24-08 | 25-08 | 26-08 | 28-08 | 31-08 | 1-9-18 | 2-9-18 | 3-9-18 | 4-9-18 | 5-9-18 | 8-9-18 | 7-9-18 | 13-9-18 | 14-9-18 | 15-9-18 | 16-9-18 | 18-9-18 | 19-9-18 | 20-9-18 | 21-9-18 | 22-9-18 | 24-9-18 | 25-9-18 | 26-9-18 | No. of days present | Fees |  | Date of payment |  |
|--------|----------------|-------------------|---------|---------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------------------|------|--|-----------------|--|
|        |                |                   |         |         |          |       |       |       |       |       |       |       |       |       |       |        |        |        |        |        |        |        |         |         |         |         |         |         |         |         |         |         |         |         |                     |      |  |                 |  |
| 1      | 48001          | B. abulesh        | /       | /       | /        | /     | /     | /     | /     | /     | a     | /     | /     | /     | /     | a      | /      | /      | /      | /      | /      | /      | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /                   | 26   |  |                 |  |
| 2      | 48002          | B. Ajay Kumar     | /       | a       | /        | /     | /     | /     | /     | /     | /     | a     | /     | /     | /     | /      | /      | /      | /      | /      | /      | /      | /       | /       | a       | a       | /       | /       | /       | /       | /       | /       | /       | /       | /                   | 24   |  |                 |  |
| 3      | 48003          | B. Ramachandrappa | /       | /       | /        | /     | /     | a     | a     | /     | /     | a     | /     | /     | /     | /      | /      | /      | /      | /      | /      | /      | /       | a       | a       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /                   | 24   |  |                 |  |
| 4      | 48004          | C. Veeresh Babu   | /       | /       | /        | /     | /     | /     | /     | a     | /     | /     | /     | a     | /     | /      | /      | /      | /      | /      | /      | /      | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /                   | 25   |  |                 |  |
| 5      | 48005          | D. Alivelimonga   | /       | a       | /        | a     | a     | /     | /     | /     | /     | /     | /     | /     | /     | /      | a      | /      | /      | /      | /      | /      | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /                   | 25   |  |                 |  |
| 6      | 48006          | E. Rangeswar      | /       | /       | /        | /     | /     | /     | /     | /     | a     | a     | /     | /     | /     | /      | /      | /      | /      | /      | /      | /      | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /                   | 25   |  |                 |  |
| 7      | 48007          | G. Basava Raju    | /       | /       | a        | /     | /     | /     | /     | /     | /     | /     | a     | a     | /     | /      | /      | /      | /      | /      | /      | /      | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /                   | 24   |  |                 |  |
| 8      | 48008          | G. Laxmidevi      | /       | /       | /        | /     | a     | a     | /     | /     | /     | /     | /     | /     | /     | /      | /      | /      | /      | /      | /      | /      | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /                   | 28   |  |                 |  |
| 9      | 48009          | G. Ramadevi       | a       | a       | /        | /     | /     | a     | /     | /     | /     | a     | /     | /     | /     | /      | /      | /      | /      | /      | /      | /      | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /                   | 25   |  |                 |  |
| 10     | 48010          | G. Chandanna      | /       | /       | /        | /     | /     | /     | /     | a     | /     | /     | /     | a     | a     | /      | /      | /      | /      | /      | /      | /      | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /                   | 26   |  |                 |  |
| 11     | 48011          | G. Doralaxmi      | /       | a       | /        | /     | /     | /     | /     | /     | /     | a     | /     | /     | /     | /      | /      | /      | /      | /      | /      | /      | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /                   | 26   |  |                 |  |
| 12     | 48012          | G. Lakshmana      | /       | /       | a        | /     | /     | /     | /     | /     | /     | /     | a     | /     | /     | /      | /      | /      | /      | /      | /      | /      | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /                   | 26   |  |                 |  |
| 13     | 48013          | G. Ravi Kumar     | /       | /       | /        | /     | /     | /     | /     | /     | a     | a     | /     | /     | /     | /      | /      | /      | /      | /      | /      | /      | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /                   | 25   |  |                 |  |
| 14     | 48014          | G. Palwan         | /       | /       | /        | /     | /     | /     | /     | /     | a     | a     | /     | /     | /     | /      | /      | /      | /      | /      | /      | /      | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /                   | 27   |  |                 |  |
| 15     | 48015          | G. Girija         | /       | a       | /        | /     | a     | /     | /     | /     | a     | /     | /     | /     | /     | /      | /      | /      | /      | /      | /      | /      | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /                   | 26   |  |                 |  |
| 16     | 48016          | K. Uma            | /       | /       | a        | /     | /     | /     | /     | /     | /     | a     | /     | /     | /     | /      | /      | /      | /      | /      | /      | /      | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /                   | 26   |  |                 |  |
| 17     | 48017          | K. Dilip Kumar    | /       | /       | /        | /     | /     | /     | a     | /     | a     | /     | /     | /     | /     | /      | /      | /      | /      | /      | /      | /      | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /                   | 25   |  |                 |  |
| 18     | 48018          | K. Raj Kumar      | /       | a       | a        | /     | /     | /     | /     | /     | /     | a     | /     | /     | /     | /      | a      | /      | /      | /      | /      | /      | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /                   | 26   |  |                 |  |
| 19     | 48019          | K. Sanjina Saidu  | /       | /       | /        | a     | /     | /     | a     | /     | /     | /     | /     | /     | /     | a      | /      | a      | /      | /      | /      | /      | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /                   | 26   |  |                 |  |
| 20     | 48020          | L. Kamathi        | /       | /       | a        | /     | /     | /     | /     | /     | /     | a     | /     | /     | /     | /      | /      | a      | /      | /      | /      | /      | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /       | /                   | 24   |  |                 |  |

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P. S. Simanulak

DEPARTMENT OF ZOOLOGY  
Govt. Degree College,  
BATHKONDA, Kurnool

PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA, 518 380  
Suryodist A.P.

Number present M  
Daily E

initials M  
E



# Government Degree College, Pattikonda

## Department of Zoology

2018-19

### Final Report of Certificate Course

in

### Poultry Broiler Management

Poultry Broiler Management Programme was developed & designed by department of zoology with the help of the Principal for III B.Z.C students. By offering the 45-days Certificate course in Poultry Broiler Management has made a humble beginning in its efforts to teach and improve students' practical knowledge for livelihood. The main objective of the course, as decided earlier, was to impart commercial strategy and to create awareness from rural area students. The requirements of final year students are taken into account when creating the basic framework of the course. The feedback from the students was very positive.

The Principal, spoke to the students about the self-employment skills and knowledgeable them of the importance of rich protein values and low cholesterol, as the population is enormously increasing day by day the government also insist animal husbandry and poultry farming in the rural areas. The government also provided financial subsidy to the poultry farmers.

*G. Indiradevi*  
DEPARTMENT OF ZOOLOGY  
Coordinator Degree College,  
PATTIKONDA, Kurnool



*[Signature]*  
Principal  
GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
Kurnool Dist A.P

**GOVERNMENT DEGREE COLLEGE, PATTIKONDA, KURNOOL DISTRICT**

**Department of Zoology**

**Certificate course in poultry – Broilers Management**

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**SYLLABUS**

**UNIT - I**

- 1.1 Introduction, types of poultry breeds, native, exotic breeds current scenario
- 1.2 Advantages and disadvantages of farming
- 1.3 Broilers housing, equipment and management

**UNIT - II**

- 2.1 Nutrition and feeding
- 2.2 Diseases control and management
- 2.3 Vaccination schedule for Broilers
- 2.4 Marketing strategy, income and expenditure of Broilers

Government Degree College Pattikonda Kurnool [Dist]

Department Of Zoology

Certificate Course in Poultry-Broiler Management

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**MODEL PAPER**

Time:2Hrs

Max.marks:50

**PART-A**

**I Answer any Two of the following:**

**Draw the diagram wherever necessary**

1. Write an account on Bacterial management of broiler
2. Write about the Bacterial of Broilers
3. Explain different types of Farm house
4. Write about the Viral diseases on Broilers

**PART-B**

**II Answer any FOUR of the following:**

**Draw the diagram wherever necessary**

5. Explain advantages and disadvantages of Poultry farming
6. Explain the present of Poultry in India
7. Describe the methods of Broiler feeding
8. Write Vaccination Schedule for Broilers
9. Explain any two types of feeders
10. Give an account on economic importance of Broilers



# GOVERNMENT DEGREE COLLEGE, PATTIKONDA

## Department of Zoology 2018-19

### Minutes of the Department meeting for the conduct of Certificate Course in Poultry Broiler Management

Date: 06-08-2018

The Department of Zoology, a leader in catering student needs, has made the decision to widen opportunities for individuals graduating from our College. There is a considerable need for new graduates for providing self-employment to rural background students. These courses also provide employment to the local individuals and daily livelihood. With the straightforward objective of equipping graduating students with the requisite practical abilities, the Department of Zoology has taken the initiative to provide a Certificate Course in Poultry Broiler Management.

On 06-08-2018, the Department of Zoology held a meeting with its members on the College's premises. The meeting was led by the department members and the Department unanimously decided to organize the Certificate Course in Poultry Broiler Management for degree-seeking students at our College, with the lecturers serving as the course instructors and the Department Head serving as chairman. As promised, the Certificate Course would span 45 days which would be very useful to students.

P. Ramanjaneyulu  
DEPARTMENT OF ZOOLOGY  
Sri. P. Ramanjaneyulu  
GOVT. DEGREE COLLEGE,  
PATTIKONDA, Kurnool  
Contract Faculty

Incharge Department of Zoology



# Government Degree College

(Accredited By Naac With 'B' Grade)


Pattikonda, Kurnool (Dt), A.P. 518380.



## Academic Year 2019-20

| S.No | Name of Add on / Certificate Programs offered   | Name of the Department          | Duration of Course | Number of Students enrolled in the year |
|------|-------------------------------------------------|---------------------------------|--------------------|-----------------------------------------|
| 1.   | Vegetable Plant Nursery Management              | Department of Botany            | 45                 | 25                                      |
| 2.   | Money and Banking                               | Department of Economics         | 45                 | 20                                      |
| 3.   | Artificial Intelligence                         | Department of Computer Science  | 34                 | 40                                      |
| 4.   | Aspirin Preparation                             | Department of Chemistry         | 45                 | 33                                      |
| 5.   | Certificate Course in Tally                     | Department of Commerce          | 45                 | 40                                      |
| 6.   | Modern Principles & Technologies of Archeology  | Department of History           | 30                 | 15                                      |
| 7.   | Refrigerator services                           | Department of Physics           | 30                 | 20                                      |
| 8.   | Daily Use English Sentences with Telugu Meaning | Department of English           | 40                 | 40                                      |
| 9.   | Business Mathematics                            | Department of Mathematics       | 45                 | 25                                      |
| 10   | Introduction to political Science               | Department of Political Science | 45                 | 15                                      |
| 11   | Telugu Chandassu                                | Department of Telugu            | 30                 | 40                                      |
| 12   | Poultry Broiler Management                      | Department of Zoology           | 45                 | 25                                      |



  
**Dr. R. MADHURI**, M.Sc., M.Phil., Ph.D.  
PRINCIPAL  
Government Degree College  
PATTIKONDA, Kurnool Dist., A.P.

**Government Degree College,  
Pattikonda, Kurnool dist.**



**Department of Botany  
Certificate Course on  
Vegetable plant Nursery Management  
2019-2020**



**Sri K.Sippilssac  
Lecturer in Botany  
Course Co-ordinator  
Govt.Degree College  
Pattikonda.**



**2019-2020**

- 1. Name of the institution** : Govt. Degree College, Pattikonda.
- 2. Title of the course** : Vegetable Plant Nursery Management
- 3. Co-ordinator/s** : Sri.K.Sippilssac  
Department of Botany
- 4. Duration /Tenure** : 45 Days



GOVERNMENT DEGREE COLLEGE, PATTIKONDA

PROPOSAL FOR THE INTRODUCTION OF CERTIFICATE COURSE IN  
"VEGETABLE PLANT NURSERY MANAGEMENT"

DATE: 11/11/2019

From  
Dr. A. Lakshmaiah  
Lecturer in Botany  
& Head of the Department  
Govt. Degree College  
Pattikonda, Kumool Dist.

To  
The Principal,  
Govt. Degree College, Pattikonda  
Kumool Dist.

Respected Madam,

I would like to inform you that our college Botany department like to organize a certificate course in "Vegetable plant nursery management". This course is a now a days having a little bit demand and for employment and also facilitates self-employment to the outgoing B.Sc.; BZC students of our college. The Department of Botany is excited to start the course taking into account of all of these factors with your support and encouragement. This is for your kind information and approbation.


Thanking you madam,

The details of the program are

- |                                           |                                      |
|-------------------------------------------|--------------------------------------|
| 1. Name of the proposed program           | : Vegetable Plant Nursery Management |
| 2. Course co-ordinator                    | : Dr.K.Shippi Isaq                   |
| 3. Duration and timings of the program    | : 45days; daily 4-5 PM               |
| 4. Start date of the program              | : 21 <sup>st</sup> November 2019     |
| 5. Course fee                             | : 100/-                              |
| 6. No. of students expected for admission | : 25                                 |



Yours faithfully

  
HEAD  
Department of Botany,  
Government Degree College  
Pattikonda-518 380 Kumool Dist

GOVERNMENT DEGREE COLLEGE, PATTIKONDA

Department Of BOTANY

Minutes of the Department meeting for the conduct of  
Certificate Course in Vegetable Plant Nursery Management

Date: 12/11/2019

The Department of Botany, a leader in catering to student needs, has made the decision to widen opportunities for individuals graduating from our College. There is a considerable need for new graduates with advanced skills due to the expanding job market, which has been particularly visible in the globalized sector. With the straightforward objective of equipping graduating students with the requisite practical skilled abilities, the Department of Botany has taken the initiative to provide a Certificate Course in Vegetable Plant Nursery Management On 12-11-2019. The Department of Botany Convened a meeting with its members and the conference was led by the department head DR A. Lakshminarayana and attended by SRI. K. SIPPET ISSAC and                      lecturers in Botany. The Department unanimously decided to organize the Certificate Course in Vegetable plant Nursery Management for degree-seeking students at our College, with the lecturers serving as the course instructors and the Department Head serving as chairman. As promised, the Certificate Course would be span of 45 days.

1. Sri/Dr A. Lakshminarayana, Head of the Department : A. L.

2. Sri/Dr K. Sippeti Issac, Lecturer in Botany : K. S.

A. L.  
HEAD  
Department of Botany  
Government Degree College  
Pattikonda-518 380 Kurnool Dist

M. S. Sankar  
Principal  
GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
KURNOOL DIST. A.P.





# Government Degree College

(Accredited By Naac With 'B' Grade)

Pattikonda, Kurnool (Dt), A.P. 518380.



GOVERNMENT DEGREE COLLEGE, PATTIKONDA.


DEPARTMENT OF BOTANY

## Circular

Date: 15/11/2019

All the B.Sc; BZC final year degree students are hereby informed that the Department of Botany is going to start a certificate course in 'Vegetable Plant Nursery Management'. The duration of the course is 45 days. Students need not pay any fee for the course. The classes will commence from 21/11/2019 and interested students are required to register their names in the Botany Department. After successful completion of the course certificate will be provided to the students.

  
Head of the Department  
**HEAD**  
Department of Botany,  
Government Degree College  
Pattikonda-518 380, Kurnool Dt.

  
Coordinator  
**LECTURER**  
DEPARTMENT OF BOTANY  
GOVT. DEGREE COLLEGE  
PATTIKONDA-518 380, Kurnool Dt.



Copy to the Library Notice Board  
Copy to the Notice Board  
Copy for Circulation among the Students

## CERTIFICATE COURSE

On

# VEGETABLE PLANT NURSERY MANAGEMENT

### INTRODUCTION

A plant nursery is a specialized facility where plants are propagated, grown, and nurtured until they are ready for sale or transplantation. Plant nurseries play a vital role in the horticulture industry by producing a wide variety of plants, including ornamental plants, trees, shrubs, herbs, and even vegetable seedlings. Here is an introduction to plant nurseries:

**Purpose:** The primary purpose of a plant nursery is to produce healthy and high-quality plants for various purposes, including landscaping, gardening, reforestation, and commercial agriculture. Nurseries provide a controlled environment that allows plants to grow and develop under optimal conditions.

**Plant Propagation:** Plant nurseries engage in different methods of plant propagation, such as seeds, cuttings, grafting, and tissue culture. These methods ensure the production of genetically identical or desirable plant specimens.

**Plant Selection and Cultivation:** Nurseries carefully select plant varieties based on factors such as growth habits, disease resistance, aesthetic appeal, and regional suitability. They cultivate the plants using appropriate growing media, fertilizers, and pest control measures to ensure healthy growth.

**Plant Care and Maintenance:** Nurseries provide regular care to the plants, including watering, pruning, fertilization, and pest management. They monitor and adjust environmental conditions like temperature, humidity, and light levels to optimize plant growth.

**Inventory Management:** Plant nurseries maintain an inventory of plants, often organized by species, size, and stage of growth. They track plant availability, monitor stock levels, and plan for propagation cycles to meet customer demands.

  
LECTURER  
DEPARTMENT OF BOTANY  
GOVT. DEGREE COLLEGE  
PATIKONDA-518 360, KUTUBUDI Dt.

**Sales and Customer Service:** Plant nurseries offer plants for sale to individuals, landscapers, garden centers, and other businesses. They provide customer assistance, advice on plant selection, and guidance on plant care and maintenance to ensure successful plant establishment.

**Specialty Services:** Some plant nurseries specialize in specific plant types, such as native plants, rare or exotic species, or specific plant families. They may also offer additional services like landscape design, plant delivery, or consulting services.

**Environmental Considerations:** Plant nurseries often prioritize sustainable and environmentally friendly practices. This includes the use of organic fertilizers and pest control methods, water conservation, recycling, and promoting the use of native plants for conservation purposes.

Visiting a plant nursery provides an opportunity to explore a wide range of plants, seek expert advice, and acquire plants for personal or professional use. Nurseries are valuable resources for gardeners, landscapers, and anyone interested in adding greenery to their surroundings.

Whether you are looking for ornamental plants to beautify your garden or searching for specific plant species for a landscaping project, plant nurseries offer a diverse selection and the expertise to guide you in making informed choices.

### **Opportunities**

- ❖ Online Plant Sampling Sales to farmers
- ❖ Educational Programs and Workshops
- ❖ Whole sale Supply to farmers

Starting or working in a plant nursery requires a passion for plants, horticultural knowledge, and business acumen. It's essential to conduct market research, develop relationships with suppliers and customers, and stay updated with the latest industry trends and practices to seize the opportunities available in the plant nursery sector.



**SYLLABUS**  
**VEGETABLE PLANT NURSERY MANAGEMENT**

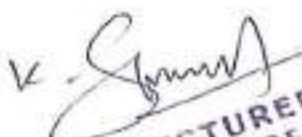
**CERTIFICATE COURSE FOR THE YEAR- 2019-2020**

**Unit-1**

1. Vegetable plant nursery definition and importance
2. Types of vegetable plants grown in nurseries
3. Basic requirements for the establishment of vegetable plant nursery.
4. Preparation of nursery beds and precautions.
5. Growing media composition and containers types.

**Unit-2**

1. Seeds and plant material used to raise nursery
2. Sowing methods of seeds in nursery
3. Seasonal activities and routine operation in a nursery.
4. Nursery watering, Weeding, usage of nutrients ,Pests and common diseases in nurseries.
5. Marketing of nursery seedlings.

  
**LECTURER**  
**DEPARTMENT OF BOTANY**  
**GOVT. DEGREE COLLEGE**  
**PAT TIKONDA-518 380, Kurnool Dt.**

## VEGETABLE PLANT NURSERY MANAGEMENT

CERTIFICATE COURSE FOR THE YEAR- 2019-2020


### **Question Paper**

**Answer any five question from the given below**

**Each question carries equal marks**

**5X10 =50M**

1. Define the vegetable plant nursery and write about its importance?
2. Write essay on various types of vegetable plants grown in plant nurseries?
3. What are the basic requirements for the establishment of a plant nursery?
4. What are the various seeds and plant material used to raise the vegetable plant nursery?
5. What are the seasonal activities and routine works carried out in plant nurseries maintenance?
6. Write about the seed sowing beds preparation and seed sowing methods of plant nurseries?
7. Write about the pests and diseases appear in the vegetable plant nurseries and their control?
8. Write about the marketing methods of the vegetable plant nurseries?


  
**LECTURER**  
**DEPARTMENT OF BOTANY**  
**GOVT. DEGREE COLLEGE**  
**PAT TIKONDA-518 380, Kurnool Dt.**

# List of students Registered for Certificate Course 2019-20

## Department of Botany

| S.No | Name of the Students | R. No.    | Signatures         |
|------|----------------------|-----------|--------------------|
| 1    | A.Rajeswari          | 173045003 | A. Rajeswari       |
| 2    | A.Rehana             | 8001      | A. Rehana          |
| 3    | B.Raja               | 8005      | B. Raja            |
| 4    | B.Ravi Kumar         | 8007      | B. Ravi Kumar      |
| 5    | B.Venkatesh          | 8008      | B. Venkatesh       |
| 6    | B.Subhashini         | 8006      | B. Subhashini      |
| 7    | C.Raju               | 8009      | C. Raju            |
| 8    | G.Venkata Sunitha    | 8010      | G. Venkata Sunitha |
| 9    | K.Chandra Sekhar     | 8012      | K. Chandra Sekhar  |
| 10   | K.Mallikarjuna       | 8014      | K. Mallikarjuna    |
| 11   | K.Rajashekar         | 8015      | K. Rajashekar      |
| 12   | K.Rohini             | 8011      | K. Rohini          |
| 13   | K.Suseela            | 8013      | K. Suseela         |
| 14   | M.Madhu              | 8017      | M. Madhu           |
| 15   | M.Manasa             | 8018      | M. Manasa          |
| 16   | M.Raju               | 8016      | M. Raju            |
| 17   | M.Sunil Kumar        | 8019      | M. Sunil Kumar     |
| 18   | N.Mallikarjuna       | 8022      | N. Mallikarjuna    |
| 19   | P.Usen               | 8027      | P. Usen            |
| 20   | P.Mahaboob Basha     | 8024      | P. Mahaboob Basha  |
| 21   | P.Nabi Rasool        | 8026      | P. Nabi Rasool     |
| 22   | Shaik Usenvali       | 8029      | Shaik Usenvali     |
| 23   | S.Ramanjaneyulu      | 8028      | S. Ramanjaneyulu   |
| 24   | U.Mallikarjuna       | 8030      | U. Mallikarjuna    |
| 25   | V.Anand              | 8031      | V. Anand           |



  
 LECTURER  
 DEPARTMENT OF BOTANY  
 GOVT. DEGREE COLLEGE  
 PATTIKONDA-518 380, Kurnool DL.



2019-2020

# REGISTER OF ATTENDANCE & FEES

20

| Sl. No. | NAMES      | University | Section |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | Fees | Remarks |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
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|         |            |            | 1       | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |      |         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
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LECTURER  
DEPARTMENT OF BOTANY  
GOVT. DEGREE COLLEGE  
PATTINONDA-518350, Kurnool DL





# **Government Degree College, Pattikonda, Kurnool Dist. A.P.**



Re-Accredited with "B" Grade By NAAC

Affiliated to Rayalaseema University-Kurnool

Department of Botany

Certificate Course in "Vegetable plant nursery Management"

## ***Certificate Of Participation***

This is to certify that Mr./Miss/ Mrs. \_\_\_\_\_ Student of

III B.Sc , BZC of Government Degree College, Pattikonda has successfully completed the certificate course in Vegetable plant nursery Management organized by Department of Botany ,Government Degree College ,Pattikonda, Kurnool dist. from 21/112019 to 10/01/2020.

Course co-ordinator/s

Principal



**Government Degree College, Pattikonda.**


**Department of Botany**

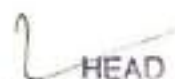
**Final Report of Certification Course in Vegetable Plant Nursery Management.**


Vegetable Plant Nursery Management was developed by the Department of Botany with the help of the Principal, Dr.M.Purushotham Reddy, for the College's students. By offering a certificate course in Vegetable Plant Nursery Management for 45 days, the Department of Botany has made a modest start in its effort to teach and enhance the students with practical knowledge of the management of a vegetable plant nursery. The primary goal of the course, as previously decided, was to impart Vegetable Plant Nursery Management knowledge to the departing pupils. The demands of the final year students are taken into consideration when creating the course's fundamental framework. The aforementioned course began on 21st November, 2019, and ended on 10th January, 2020. The pupils' response was very positive. The Seminar Hall was crowded with eager students for its first presentation.

The principal, Dr.M.Purushotham Reddy, spoke to the students and informed them of the significance of nursery management in both the social and business spheres. He also praised the work of the department of Botany and complimented Dr.A.Lakshmaiah HOD who also served as the course coordinator. The course had a high turnout of students. Regular attendance for the classes, which ran from 04.00 PM to 5:00 PM, was 25 students.

The sessions were engaging, educational, and fascinating. The students were able to comprehend how to learn and understand Vegetable Plant Nursery Management with the use of hands-on activities, films, handouts, seminars, quizzes, suggested books, and engaging exercises. The pupils' confidence level was raised via brainstorming sessions, discussions, group exercises, and presentations. The complete course took place, The Course ran its entire course of 45 days and also took informal inputs from the students for making the course better next time. After the successful completion of the said Certificate course, a valedictory function was held and the Principal of the College, Dr.M.Purushotham Reddy graced the occasion and awarded the certificates to the students. The meeting was presided over by the HOD (Botany), Dr.A.Lakshmaiah. At the end of program Sri K.Sippi Isaq, Lecturer in Botany, proposed the vote of thanks.

  
Principal  
GOVT DEGREE COLLEGE  
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Kurnool Dist A P

  
HEAD  
Department of Botany,  
Government Degree College  
Pattikonda, Kurnool Dist

  
LECTURER  
DEPARTMENT OF BOTANY  
GOVT DEGREE COLLEGE  
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**GOVERNMENT DEGREE  
COLLEGE  
PATTIKONDA, KURNOOL(DT)  
DEPARTMENT OF ECONOMICS  
CERTIFICATE COURSE  
2019-2020**

**GOVERNMENT DEGREE COLLEGE, PATTIKONDA**  
**PROPOSAL FOR THE INTRODUCTION OF CERTIFICATE COURSE IN**  
**MONEY AND BANKING**

DATE: 19-11-2019

From  
B Jayachandrudu,  
Lecturer in Economics,  
Head of Department  
Govt. Degree College  
Pattikonda, Kurnool (Dt).

To  
The Principal,  
Govt. Degree College, Pattikonda  
Kurnool (Dt).

Respected Sir,

The department of Economics wishes to conduct a certificate course Money and Banking Keeping in view employment opportunities in Banking sector. More over the course is aimed eradicating unemployment in rural areas. The course content is designed to create awareness on opportunities, Banking sector in this regard the proposal may please be accepted and permission may be accorded.

The details of the program are

- |                                          |                          |
|------------------------------------------|--------------------------|
| 1. Name of the proposed program          | Certificate Course       |
| 2. Duration and timings of the program   | 45 days                  |
| 3. Start date of the program             | 19.11.2019 to 13.01.2020 |
| 4. Course fee                            | Nil                      |
| 5. No of students expected for admission | 20                       |

Yours faithfully

*B. Jayachandrudu*  
Lecturer in Economics

Department Of Economics  
Government Degree College  
PATTIKONDA- 518 380 Kurnool (Dt.)



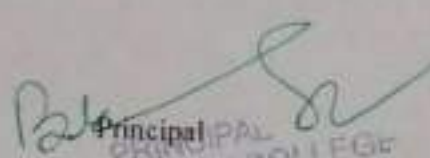
**Department Of Economics**  
**Minutes of the Department meeting for the conduct of**  
**Certificate Course in Money and Banking**

Date: 10-11-2019

The Department of Economics, is sincere to cater the needs of students, has made the decision to widen opportunities for individuals graduating from our College. There is a considerable need for new graduates to enhance their employability skills due to the expanding job market, visible in the Banking Sector. With the straightforward objective of equipping graduating students with the requisite practical Knowledge and abilities, the Department of Economics has taken the initiative to provide a Certificate Course in Money and Banking.

The faculty of the department under the chairmanship of HOD Sri.B.Jayachandrudu on 19.01.2020 and unanimously decided to organize the Certificate Course in Money and Banking for degree-seeking students at our college, with the lecturers serving as the course instructors and the Department Head serving as convener. As promised, the Certificate Course would span 45 days.

1. Sri B.Jayachandrudu, Head of the Department
2. Sri Dr. Venkata Narsaiah, Lecturer in Political Science
3. Sri Venkata Krishnaiah, Lecturer in History

  
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PATTIKONDA.  
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**Government DEGREE COLLEGE, PATTIKONDA.**

**DEPARTMENT OF ECONOMICS**

**Circular**

Date: 13-11-2019

All the BA., HEP final year degree students are hereby informed that the Department of Economics is going to start a certificate course in '**Money and Banking**'. The duration of the course is 45 days. Students need not pay any fee for the course. The classes will commence from 19-11-2019 to 13-01-2020. Interested students are required to register their names in the Economics Department. After successful completion of the course certificate will be provided to the students.

*P. Jeyapaul*  
Department Of Economics  
Government Degree College  
PATTIKONDA 518 360 Kumool Dis.

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## CERTIFICATE COURSE IN ECONOMICS

Topic: Money and Banking

Syllabus:

Unit -I:

Money and Quantity Theories of Money-

Definitions of Money -Concepts of Money-Liquidity and Finance-Money Illusion-Gresham's Law-RBI classification of Money-Theories of Money: Fisher and Cambridge (Marshall, Pigou, Robertson and Keynes Equation)

Unit-II:

Banking and NBFC's-

Banking -Definition and types of Banking- Commercial Banks -Functions – Recent Trends in Banking -Merges and Acquisitions -Central Bank -Functions – Control of credit by Central Bank – NBFCs -Factors contributing to their Growth and their Role.

*B. Jayachandran*  
Department Of Economics  
Government Degree College  
PATTIKONDA - 516 380, Kurnool(Dist.)



**Model question paper (2019-20)**

**Money and Banking certificate course**

**Time :2 hrs**

**Maximum marks :50**

**Each question carries 10 marks (10\*5)**

1. What are the functions of Money?
2. Explain Gresham's Law.
3. Write about Fisher Quantity Theory of Money.
4. What are the functions of RBI?
5. The role of NBFC's in Economic Development.
6. Explain recent trends in Banking.
7. Explain Cambridge Theory of Money.
8. Types of Banks.

*B. Jayachandran*  
Department Of Economics  
Government Degree College  
PATTIKONDA 518 380 Kurnool(Dist.)

Students List Registered For 2019-2020

| S.No | Admission No | NAME OF THE STUDENT | Class      | Signature         |
|------|--------------|---------------------|------------|-------------------|
| 1    | 5011         | A.Ravi Kumar        | III BA HEP | A. Ravi Kumar     |
| 2    | 5015         | B.Ultheppa          | III BA HEP | B. Ultheppa       |
| 3    | 5017         | B.Swathi            | III BA HEP | B. Swathi         |
| 4    | 5018         | C.Ashok             | III BA HEP | C. Ashok          |
| 5    | 5023         | G.Radhamma          | III BA HEP | G. Radhamma       |
| 6    | 5026         | K.Karthik           | III BA HEP | K. Karthik        |
| 7    | 5028         | K.Arshiya           | III BA HEP | K. Arshiya        |
| 8    | 5030         | K.Harikrishna       | III BA HEP | K. Harikrishna    |
| 9    | 5031         | M.Vinash            | IV BA HEP  | M. Vinash         |
| 10   | 5033         | M.Rangaswamy        | III BA HEP | M. Rangaswamy     |
| 11   | 5036         | M.Sekhar            | III BA HEP | M. Sekhar         |
| 12   | 5040         | P.Imam Bee          | III BA HEP | P. Imam Bee       |
| 13   | 5041         | P.Kasivishwanath    | III BA HEP | P. Kasivishwanath |
| 14   | 5047         | T.Siva Kumar        | III BA HEP | T. Siva Kumar     |
| 15   | 5055         | Y.Anitha            | III BA HEP | Y. Anitha         |
| 16   | 5174         | K.Anjaneyulu        | II BA HEP  | K. Anjaneyulu     |
| 17   | 5176         | M.Sanjevakarna      | II BA HEP  | M. Sanjevakarna   |
| 18   | 5178         | N.Lokesh Naik       | II BA HEP  | N. Lokesh Naik    |
| 19   | 5183         | U.Naresh            | II BA HEP  | U. Naresh         |
| 20   | 5251         | U.Shantha Kumar     | II BA HEP  | U. Shantha Kumar  |

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# Attendance Sheet 2019-20 Certificate Programme

10/01/2019

20/01

21/01

22/01

23/01

24/01

25/01

26/01

27/01

28/01

29/01

30/01

31/01

01/02

02/02

03/02

04/02

05/02

06/02

07/02

08/02

09/02

10/02

11/02

12/02

13/02

14/02

15/02

16/02

17/02

18/02

19/02

20/02

21/02

22/02

23/02

24/02

25/02

26/02

27/02

28/02

| S. No | Names of the Students | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|-------|-----------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1     | A.Ravi Kumar          | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 2     | B.Ultheppa            | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 3     | B.Swathi              | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 4     | C.Ashok               | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 5     | G.Radhamma            | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 6     | K.Karthik             | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 7     | K.Arshiya             | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 8     | K.Harikrishna         | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 9     | M.Vinash              | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 10    | M.Rangaswamy          | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 11    | M.Sekhar              | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 12    | P.Imam Bee            | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 13    | P.Kasivishwanath      | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 14    | T.Siva Kumar          | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 15    | Y.Anitha              | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 16    | K.Anjaneyulu          | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 17    | M.Sanjeevakarna       | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 18    | N.Lokesh Naik         | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 19    | U.Naresh              | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 20    | U.Shantha Kumar       | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |

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 Department Of Economics  
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| S. No | Names of the Students | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 |
|-------|-----------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1     | A.Ravi Kumar          | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 2     | B.Ultheppa            | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 3     | B.Swathi              | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 4     | C.Ashok               | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 5     | G.Radhamma            | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 6     | K.Karthik             | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 7     | K.Arshiya             | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 8     | K.Harikrishna         | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 9     | M.Vinash              | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 0     | M.Rangaswamy          | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 1     | M.Sekhar              | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 2     | P.Imam Bee            | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 3     | P.Kasivishwanath      | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 4     | T.Siva Kumar          | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 5     | Y.Anitha              | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 6     | K.Anjaneyulu          | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 7     | M.Sanjeevakra         | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 8     | N.Lokesh Naik         | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 9     | U.Naresh              | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 10    | U.Shantha Kumar       | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |

B. Jayachandrudu  
 Department of Economics  
 Government Degree College  
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## CLASS on Certificate Course 2019-2020





**Government Degree College, Pattikonda**  
**Department of Economics**

**Final Report of Certification Course in Money and Banking**

By offering a certificate course in Money and Banking for 45 days, the Department of Economics has made a modest start in its effort to teach and enhance the students with knowledge on Banking. The primary goal of the course, as previously decided, was to impart knowledge about Money and Banking to the departing pupils. The demands of the final year students are taken into consideration while framing the course's fundamental framework. The aforementioned course began on November 20, 2019, and ended on January 3, 2020. The pupils' response was very positive.

The principal, Dr. M. Purusotham Reddy spoke to the students and informed them of the significance of Agriculture and Industries. He also appreciated the work of the department and complimented B. Jayachandrudu, HOD, who served as the course's architect. The course had a high turnout of students. Regular attendance for the classes, which ran from 05.00 PM to 6.30 PM, was 20 students.

The sessions were engaging, educational, and fascinating. The students were able to comprehend how to learn and understand money and banking with the use of handouts, seminars, quizzes, suggested books, and engaging exercises. The pupils' confidence level was raised via brainstorming sessions, discussions, group exercises, and imprompt presentations. The Course ran its entire course of 45 days and also took informal inputs from the students for making the course better for next time.

After the successful completion of the said Certificate course, a valedictory function was held on 13-01-2020. The Principal of the College, Dr. M. Purusotham Reddy, graced the occasion. The meeting was presided over by the HOD (Economics), Sri B. Jayachandrudu. At the end of program Sri Venkata Krishnaiah, Lecturer in Political Science, proposed the vote of thanks.

*B. Jayachandrudu*  
Department Of Economics  
Government Degree College  
PATTIKONDA- 518 380 Kurnool Dist.





# GOVERNMENT DEGREE COLLEGE

PATTIKONDA, KURNOOL-518380, A.P.

AFFILIATED TO RAYACHOTA DEEMA UNIVERSITY (RU) KURNOOL

RE-ACCREDITED BY NAAC WITH 'B' GRADE

## Department of Economics

### Certificate Of Participation

This is to certify that Mr./Miss./Mrs \_\_\_\_\_ studying

\_\_\_\_\_ successfully completed ' \_\_\_\_\_ ,

organized by Department of Economics, Government Degree College, Pattikonda,

Kurnool (Dt) held from \_\_\_\_\_ to \_\_\_\_\_.

*P. Jayachandran*  
**Coordinator**

Department Of Economics  
Government Degree College  
PATTIKONDA 518 380 Kurnool(Dist.)

*P. N. S.*  
**Principal**

GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
Kurnool(Dist.) A.P.

**Government Degree College**

**Pattikonda, Kurnool (Dt).**

**Department of Computer  
Science**



**A Certificate course in  
Artificial Intelligence  
for the year-2019-20**


# Government Degree College, Pattikonda.

## Department of Computer Science

Date: 31-08-2019

All the final year degree students are hereby informed that the Department of Computer Science is going to start a certificate course in Artificial Intelligence. the duration of the course is 34 days. Students need not pay any fee for the course. The classes will commence from 02-09-2019. Interested students are required to register their names in Computer Science department. After successful completion of the course certificate will be provided to the students.

Coordinator

  
Lecturer in Computer Science  
Govt. Degree College  
PATTIKONDA-518 380,  
Kurnool Dist. A.P

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**GOVERNMENT DEGREE COLLEGE, PATTIKONDA**

**Proposal for the Introduction of Certificate**

**Course in  
Artificial Intelligence**

**Date: 31-08-2019**

From  
B.Rajender,  
Lecturer in C.S,  
Head of Department  
Govt. Degree College  
Pattikonda, Kurnool (Dt).

To  
The Principal,  
Govt. Degree College, Pattikonda  
Kurnool (Dt),

Respected Sir,

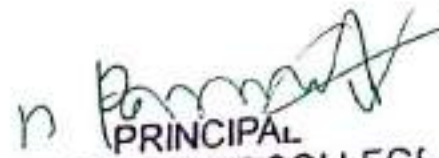
I would like to suggest that the department of Computer Science is going to organize a certificate Course in Artificial Intelligence basing on the demands of departing students. The Department of C.S is excited to start the course.

The details or the program are

- |                                           |                                   |
|-------------------------------------------|-----------------------------------|
| 1. Name of the proposed program           | : Artificial Intelligence         |
| 2. Duration and timings of the program    | : 34 days                         |
| 3. Start date of the program              | : 02 <sup>nd</sup> September 2019 |
| 4. Course fee                             | : free                            |
| 5. No. of students expected for admission | : 40                              |

Yours faithfully

  
Head of Department Computer Science  
Lecturer in Computer Science  
Govt. Degree College  
PATTIKONDA-518 380.  
Kurnool Dist. A.P

  
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**GOVERNMENT DEGREE COLLEGE, PATTIKONDA**  
**Department of Computer Science**  
**Minutes of the Department meeting for the conduct of**  
**Certificate Course in Artificial Intelligence**

Date: 30-08-2019

The Department of Computer Science, a leader in catering to student needs, has made the decision to widen opportunities for individuals graduating from our College. There is a considerable need for graduates with Artificial Intelligence skills due to the expanding job market, which has been particularly visible in the globalized sector. With the straightforward objective of equipping graduating students with the requisite Artificial Intelligence skills, the Department of Computer Science has taken the initiative to provide a Certificate Course in Artificial Intelligence.

On 30-08-2019, the Department of Computer Science held a meeting with its members on the College's property. The conference was led by the department head, B.Rajender, The Department unanimously decided to organize the Certificate Course in Artificial Intelligence for degree-seeking students at our College, with the lecturers serving as the course instructors and the Department Head serving as chairman. As promised, the Certificate Course would span 34 days.

1. Sri B.Rajender, Head of the Department :  
Lecturer in Computer Science  
Govt. Degree College  
PATTIKONDA-518 380.  
Kurnool Dist. A.P

n. Principal  
PRINCIPAL  
GOVT DEGREE COLLEGE  
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# **A Certificate Course In Artificial Intelligence**


## **SYLLABUS**

**Unit I** Overview What is AI? History of AI, Goals of AI, Components of AI, AI Techniques, AI Applications, research areas, AI classification Intelligence and its types, Learning difference between human and machine learning Agents and Environments Introduction to different AI Agents, Terminology, Rationality, Structure of AI agents, Model based agents, goal based agents, Utility based agents, Environment, Turing test

**Unit II** AI Algorithms Single Agent Path finding problems, Search terminology, Brute Force Search, Depth First, Breadth First, Bidirectional search, Comparison of different test algorithm Strategies , Informed Search Strategy, Local Search Algorithm , Hill climbing, local beam search, Simulated Annealing, Travelling Salesman problem

**Unit III** Neural Networks Artificial Neural Networks (ANN) and its structure, types of ANN, working, Machine Learning in ANN, Bayesian Networks, Applications of ANN  
Natural Language Processing: Components of NLP NLU NLG, Terminology used in NLP, Steps in NLP, Implementation aspects  
Context free grammar, Top down parser

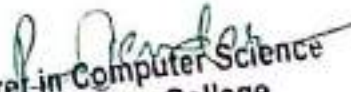
  
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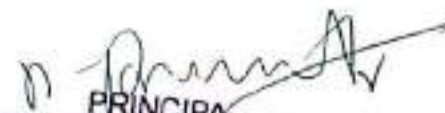
  
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**Unit IV** Fuzzy Logic Introduction, FLS Architecture, Example, Application Areas, Advantages and disadvantages Expert Systems Introduction characteristics and capabilities, components, Limitations, applications, technology, Development of expert system, benefits


Robotics: Introduction, Aspects, difference in Robotic programming and other AI programming, Robot Locomotion, components of Robot, Computer Vision, Tasks of Computer vision, Applications


  
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# List of students Registered for Artificial Intelligence 2019-20

| S.No | Name of the Students  |
|------|-----------------------|
| 1    | A.S.Chandra Sekhar    |
| 2    | B.Lakshmana           |
| 3    | B.Mahesh Babu         |
| 4    | G.Shashi Kumar        |
| 5    | K.Bramhaiah           |
| 6    | K.Mallikarjuna        |
| 7    | K.Sathesh             |
| 8    | K.Unikundu            |
| 9    | L.Rajasekhar          |
| 10   | M.Chandramma          |
| 11   | M.Rajesh              |
| 12   | M.Thulasi             |
| 13   | O.Ravi Kumar          |
| 14   | P.Kasimvali           |
| 15   | P.Sandya              |
| 16   | P.Siva Sankara Prasad |
| 17   | R.Ravi Teja           |
| 18   | S.Ramesh              |
| 19   | T.Pavani              |
| 20   | T.Veeranandu          |
| 21   | Y.Lakshmi             |
| 22   | Y.Raghu               |
| 23   | P.Rajesh Kumar        |
| 24   | K.Dasthagiri          |
| 25   | B.Suvarna             |
| 26   | B.Veeranjineyulu      |
| 27   | C.Mohan               |
| 28   | D.Durgaprasad         |
| 29   | G.Lalu Kumar          |
| 30   | K.Ravi                |
| 31   | K.Vikranth            |
| 32   | M.Rajasekhar          |
| 33   | M.Ramesh              |
| 34   | M.Suryanarayana       |
| 35   | N.Suresh Babu         |
| 36   | P.Sekhar              |
| 37   | S.Munindra            |
| 38   | S.Roshan              |
| 39   | Y.Rajesh              |
| 40   | V.Janardhan           |

  
 Lecturer in Computer Science  
 Govt. Degree College  
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 Kurnool Dist. A.P

  
 n. PRINCIPAL  
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| Sl No                   |  | Admission No | NAMES                   | No of days present |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | FEES |
|-------------------------|--|--------------|-------------------------|--------------------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|------|
|                         |  |              |                         | 1                  | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | Rs   |
| 1                       |  |              | A.s. Chandana Sekhar    | P                  | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |      |
| 2                       |  |              | B. Lakshmanan           | P                  | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |      |
| 3                       |  |              | B. Mahesh Babu          | P                  | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |      |
| 4                       |  |              | G. Shashi Kumar         | P                  | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |      |
| 5                       |  |              | K. Banubhai             | P                  | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |      |
| 6                       |  |              | K. Mallikarjuna         | P                  | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |      |
| 7                       |  |              | K. Sathish              | P                  | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |      |
| 8                       |  |              | K. Uthakunda            | P                  | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |      |
| 9                       |  |              | L. Rajasikhan           | P                  | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |      |
| 10                      |  |              | m. Chandraanna          | P                  | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |      |
| 11                      |  |              | m. Rajish               | P                  | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |      |
| 12                      |  |              | m. Trilasi              | P                  | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |      |
| 13                      |  |              | O. Ravi Kumar           | P                  | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |      |
| 14                      |  |              | P. Kaimati              | P                  | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |      |
| 15                      |  |              | P. Sandya               | P                  | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |      |
| 16                      |  |              | P. Siva Sarikana prasad | P                  | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |      |
| 17                      |  |              | R. Ravi Teja            | P                  | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |      |
| 18                      |  |              | S. Ramish               | P                  | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |      |
| 19                      |  |              | T. Palani               | P                  | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |      |
| 20                      |  |              | T. Veeranna             | P                  | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |      |
| 21                      |  |              | Y. Lakshmi              | P                  | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |      |
| 22                      |  |              | Y. Raghu                | P                  | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |      |
| 23                      |  |              | P. Rajesh Kumar         | P                  | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |      |
| 24                      |  |              | K. Dasthagiri           | P                  | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |      |
| 25                      |  |              | B. Suvarna              | P                  | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |      |
| 26                      |  |              | B. Veerajiniyala        | P                  | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |      |
| 27                      |  |              | C. Mahan                | P                  | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |      |
| 28                      |  |              | D. Durgeswar            | P                  | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |      |
| 29                      |  |              | G. Lalit Kumar          | P                  | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |      |
| 30                      |  |              | K. Ravi                 | P                  | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |      |
| Number present in Class |  |              |                         |                    |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      |
| Date                    |  |              |                         |                    |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      |
| Institute Name          |  |              |                         |                    |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      |
|                         |  |              |                         |                    |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      |
|                         |  |              |                         |                    |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      |
|                         |  |              |                         |                    |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      |
|                         |  |              |                         |                    |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      |
|                         |  |              |                         |                    |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      |
|                         |  |              |                         |                    |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      |
|                         |  |              |                         |                    |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      |
|                         |  |              |                         |                    |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      |
|                         |  |              |                         |                    |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      |
|                         |  |              |                         |                    |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      |
|                         |  |              |                         |                    |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      |
|                         |  |              |                         |                    |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      |
|                         |  |              |                         |                    |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      |
|                         |  |              |                         |                    |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      |
|                         |  |              |                         |                    |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      |

Number present in Day 1

Initials M E

Lecturer in Computer Science

Govt. Degree College

PATIKONDA-518 380

Kuntur Dist. A.P.

Attendance during the month

No. of days present



# REGISTER OF ATTENDANCE & FEES

FOR THE MONTH OF .....

Sept 2019

Name of the Institute

Section

Place

Date of payment

CLASS-LIFE

| Sl. No. | Admission No. | NAMES           | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | No. of days present | FEES Rs. P. | Date of payment |
|---------|---------------|-----------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---------------------|-------------|-----------------|
| 31      |               | K. VIKRANTH     | P | P | P | P | P | A | P | P | P | P  | A  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |             |                 |
| 32      |               | M. Raja Sekhar  | P | A | P | P | P | P | P | P | A | A  | A  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |             |                 |
| 33      |               | M. Ramesh       | A | P | P | P | P | P | P | P | A | P  | A  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |             |                 |
| 34      |               | M. Sujanarayana | P | A | A | P | P | A | P | P | P | P  | A  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |             |                 |
| 35      |               | N. Suresh Babu  | P | P | P | A | P | P | A | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |             |                 |
| 36      |               | P. Sekhar       | P | P | P | P | P | P | A | P | P | P  | A  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |             |                 |
| 37      |               | S. Muralidhar   | A | P | P | P | P | P | P | A | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |             |                 |
| 38      |               | S. Rishan       | A | P | P | P | P | P | P | A | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |             |                 |
| 39      |               | Y. Rajesh       | P | P | P | P | A | P | P | P | P | P  | A  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |             |                 |
| 40      |               | V. Jaganathan   | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |             |                 |

Lecturer in Computer Science  
Govt. Degree College  
PATTIKONDA-518 180.  
Kurnool Dist. A.P.

Number present M

Table



# REGISTER OF ATTENDANCE & FEES

CLASS: **EE**  
SECTION: **0**

Name of the Institute

| Sl. No.                                                                                         | Admission No. | NAMES                  | Date |   |   |   |   |   |   |   |   |    |    |    |
|-------------------------------------------------------------------------------------------------|---------------|------------------------|------|---|---|---|---|---|---|---|---|----|----|----|
|                                                                                                 |               |                        | 1    | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 1                                                                                               |               | A.s. Chandana Sekhara  | P    | P | P |   |   |   |   |   |   |    |    |    |
| 2                                                                                               |               | B. lakshmanan          | P    | A | P |   |   |   |   |   |   |    |    |    |
| 3                                                                                               |               | B. mahesh Babu         | P    | P | P |   |   |   |   |   |   |    |    |    |
| 4                                                                                               |               | G. shashi kumar        | A    | P | P |   |   |   |   |   |   |    |    |    |
| 5                                                                                               |               | K. Bannurajiah         | A    | P | P |   |   |   |   |   |   |    |    |    |
| 6                                                                                               |               | K. malikarjuna         | P    | P | A |   |   |   |   |   |   |    |    |    |
| 7                                                                                               |               | K. Sathish             | P    | P | P |   |   |   |   |   |   |    |    |    |
| 8                                                                                               |               | K. Usha kundu          | P    | P | P |   |   |   |   |   |   |    |    |    |
| 9                                                                                               |               | V. Raja Sekhar         | P    | A | P |   |   |   |   |   |   |    |    |    |
| 10                                                                                              |               | M. Chandrasana         | P    | P | P |   |   |   |   |   |   |    |    |    |
| 11                                                                                              |               | M. Rajesh              | P    | P | P |   |   |   |   |   |   |    |    |    |
| 12                                                                                              |               | M. Thulasi             | A    | P | P |   |   |   |   |   |   |    |    |    |
| 13                                                                                              |               | O. Ravi Kumar          | P    | P | P |   |   |   |   |   |   |    |    |    |
| 14                                                                                              |               | P. kashmal             | P    | P | P |   |   |   |   |   |   |    |    |    |
| 15                                                                                              |               | P. Sandya              | P    | A | P |   |   |   |   |   |   |    |    |    |
| 16                                                                                              |               | P. Siva Sankara prasad | P    | P | A |   |   |   |   |   |   |    |    |    |
| 17                                                                                              |               | R. Ravi Teja           | P    | A | P |   |   |   |   |   |   |    |    |    |
| 18                                                                                              |               | S. Premesh             | P    | P | P |   |   |   |   |   |   |    |    |    |
| 19                                                                                              |               | T. pavani              | P    | P | A |   |   |   |   |   |   |    |    |    |
| 20                                                                                              |               | T. veerannaiah         | P    | P | P |   |   |   |   |   |   |    |    |    |
| 21                                                                                              |               | Y. lakshmi             | P    | P | P |   |   |   |   |   |   |    |    |    |
| 22                                                                                              |               | Y. Raju                | P    | A | P |   |   |   |   |   |   |    |    |    |
| 23                                                                                              |               | P. Rajish Kumar        | P    | P | P |   |   |   |   |   |   |    |    |    |
| 24                                                                                              |               | M. Dasthagiri          | P    | P | A |   |   |   |   |   |   |    |    |    |
| 25                                                                                              |               | B. Suresh              | A    | P | P |   |   |   |   |   |   |    |    |    |
| 26                                                                                              |               | B. veerajeneiyulu      | P    | P | A |   |   |   |   |   |   |    |    |    |
| 27                                                                                              |               | C. Mahan               | P    | P | P |   |   |   |   |   |   |    |    |    |
| 28                                                                                              |               | D. Durgaprasad         | P    | A | P |   |   |   |   |   |   |    |    |    |
| 29                                                                                              |               | G. Lala kumar          | P    | P | P |   |   |   |   |   |   |    |    |    |
| 30                                                                                              |               | K. Ravi                | A    | P | P |   |   |   |   |   |   |    |    |    |
| Number present M<br>Daily E                                                                     |               |                        |      |   |   |   |   |   |   |   |   |    |    |    |
| Initials M<br>E                                                                                 |               |                        |      |   |   |   |   |   |   |   |   |    |    |    |
| Lecturer in Computer Science<br>Govt. Degree College<br>ATTIKONDA-518380.<br>Kurnool Dist. A.P. |               |                        |      |   |   |   |   |   |   |   |   |    |    |    |

No. on roll at the beginning of the month

Admitted during the month

Left the month

# REGISTER OF ATTENDANCE & FEES

CLASS-155  
PART-155

Name of the Institute

| Sl. No. | Admission No. | NAMES          | 1        | 2        | 3        | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---------|---------------|----------------|----------|----------|----------|---|---|---|---|---|---|----|----|----|
|         |               |                | 14/10/16 | 15/10/16 | 16/10/16 |   |   |   |   |   |   |    |    |    |
| 31      |               | K. Vikranth    | P        | A        | P        |   |   |   |   |   |   |    |    |    |
| 32      |               | M. Rajasekhar  | P        | P        | P        |   |   |   |   |   |   |    |    |    |
| 33      |               | M. Ramesh      | A        | A        | P        |   |   |   |   |   |   |    |    |    |
| 34      |               | M. Suganmayam  | P        | P        | P        |   |   |   |   |   |   |    |    |    |
| 35      |               | N. Suresh Babu | P        | P        | P        |   |   |   |   |   |   |    |    |    |
| 36      |               | P. Sekhar      | P        | A        | P        |   |   |   |   |   |   |    |    |    |
| 37      |               | S. Muniandra   | P        | P        | P        |   |   |   |   |   |   |    |    |    |
| 38      |               | S. Roshan      | A        | P        | P        |   |   |   |   |   |   |    |    |    |
| 39      |               | Y. Rajesh      | P        | P        | P        |   |   |   |   |   |   |    |    |    |
| 40      |               | V. Jaramidhan  | A        | P        | P        |   |   |   |   |   |   |    |    |    |

Lecturer in Computer Science  
Govt. Degree College  
PATTIKONDA-518 380  
Kurnool Dist. A.P.



# Model question paper (2019-20)

## Artificial Intelligence Certificate Course

Time 01:00

Maximum Marks: 50

1. What is Artificial intelligence?
  - a) Putting your intelligence into Computer
  - b) Programming with your own intelligence
  - c) Making a Machine intelligent
  - d) Playing a Game
  
2. How do you represent "All dogs have tails"?
  - a)  $\forall x: \text{dog}(x) \rightarrow \text{tail}(x)$
  - b)  $\forall x: \text{dog}(x) \rightarrow \text{tail}(y)$
  - c)  $\forall x: \text{dog}(y) \rightarrow \text{tail}(x)$
  - d)  $\forall x: \text{dog}(x) \rightarrow \text{tail}(x)$
  
3. Who is known as the "Father of AI"?
  - a. Fisher Ada
  - b. Alan Turing
  - c. John McCarthy
  - d. Allen Newell
  
4. The application/applications of Artificial Intelligence is/are
  - a. Expert Systems
  - b. Gaming
  - c. Vision Systems
  - d. All of the above
  
5. A technique that was developed to determine whether a machine could or could not demonstrate the artificial intelligence known as the \_\_\_\_
  - a. Boolean Algebra
  - b. Turing Test
  - c. Logarithm
  - d. Algorithm
  
6. An AI agent perceives and acts upon the environment using \_\_\_\_.
  - a. Sensors
  - b. Perceiver
  - c. Actuators
  - d. Both a and c

7. Which rule is applied for the Simple reflex agent?
- Simple-action rule
  - Simple & Condition-action rule
  - Condition-action rule
  - None of the above
8. Which agent deals with the happy and unhappy state?
- Utility-based agent
  - Model-based agent
  - Goal-based Agent
  - Learning Agent
9. Rational agent always does the right things.
- True
  - False
10. Which term describes the common-sense of the judgmental part of problem-solving?
- Values-based
  - Critical
  - Analytical
  - Heuristic
11. Which AI technique enables the computers to understand the associations and relationships between objects and events?
- Heuristic Processing
  - Cognitive Science
  - Relative Symbolism
  - Pattern Matching
12. The exploration problem is where\_\_\_\_\_.
- Agent contains the knowledge of State and actions.
  - Agent does not contain the knowledge of State and actions.
  - Only actions are known to the agent.
  - None of the above
13. In the Wumpus World Problem, the reason for the uncertainty is that the agent's sensor gives only\_\_
- Full & Global information
  - Partial & Global Information
  - Full & local information
  - Partial & local Information

14. Which instruments are used for perceiving and acting upon the environment?

- a) Sensors and Actuators
- b) Sensors
- c) Perceiver
- d) None of the mentioned

15. What is meant by agent's percept sequence?

- a) Used to perceive the environment
- b) Complete history of actuator
- c) Complete history of perceived things
- d) None of the mentioned

16. How many types of agents are there in artificial intelligence?

- a) 1
- b) 2
- c) 3
- d) 4

17. What are the composition for agents in artificial intelligence?

- a) Program
- b) Architecture
- c) Both Program & Architecture
- d) None of the mentioned

18. In which agent does the problem generator is present?

- a) Learning agent
- b) Observing agent
- c) Reflex agent
- d) None of the mentioned

19. Which is used to improve the agents performance?

- a) Perceiving
- b) Learning
- c) Observing
- d) None of the mentioned

20. Which agent deals with happy and unhappy states?

- a) Simple reflex agent
- b) Model based agent
- c) Learning agent
- d) Utility based agent



21. Which action sequences are used to achieve the agent's goal?
- a) Search
  - b) Plan
  - c) Retrieve
  - d) Both Search & Plan
22. Which element in the agent are used for selecting external actions?
- a) Perceive
  - b) Performance
  - c) Learning
  - d) Actuator
23. Which is not the commonly used programming language for AI?
- a) PROLOG
  - b) Java
  - c) LISP
  - d) Perl
24. An omniscient agent knows the actual outcome of its actions and can act accordingly; but omniscience is impossible in reality. Rational Agent always does the right thing; but Rationality is possible in reality.
- a) True
  - b) False
25. The Task Environment of an agent consists of \_\_\_\_\_
- a) Sensors
  - b) Actuators
  - c) Performance Measures
  - d) All of the mentioned

Lecturer in Computer Science  
Govt. Degree College  
PATTIKONDA-518 380.  
Kurnool Dist. A.P



# Government Degree College

Pattikonda, Kurnool-518380, A.P.

Affiliated to Rayalaseema University (RU) Kurnool

Re-Accredited By NAAC with 'B' Grade

## Department of Computer Science -

# Certificate of Participation

This is to certify that Mr./Miss./Mrs. \_\_\_\_\_ studying \_\_\_\_\_ successfully completed 'A' Certificate Course in Artificial Intelligence 'Organized by Department of Computer Science, Government Degree College, Pattikonda, Kurnool(Dt) held from 02-09-2019 to 16-10-2019.

*Coordinator*  
Lecturer in Computer Science  
Govt. Degree College  
PATTIKONDA-518 380.  
Kurnool Dist. A.P.

*n. Vamshi*  
Principal  
PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
Kurnool Dist. A.P.

# Government Degree College, Pattikonda

## Department of Computer Science


### Final Report of Certification Course in Artificial Intelligence

During this course, students delved deep into Artificial intelligence fundamentals, including History of AI, Goals of AI, Components of AI, AI Techniques, AI Applications, research areas, AI classification. Through hands-on exercises and real-world examples, they gained a solid understanding of Artificial intelligence. Completing this course has added a new skill to their knapsack, empowering them to tackle programming challenges and contribute effectively to Artificial intelligence. The aforementioned course began on September 02, 2019, and ended on October 16, 2019. The pupils' response was very positive. The Seminar Hall was crowded with eager students for its first presentation.

The principal, Dr. Pūrushotham Reddy, spoke to the students and informed them of the significance of technology in both the social and business spheres. He also praised the work of the department of Computer science and complimented Sri.B.Rajender, HOD, who served as the course's architect. The course had a high turnout of students. Regular attendance for the classes, which ran from 04.00 PM to 5:30 PM, was 40 students.

The sessions were engaging, educational, and fascinating. The students were able to comprehend how to learn and understand Artificial intelligence with the use of hands-on activities, films, handouts, seminars, quizzes, suggested books, and engaging exercises. The pupils' confidence level was raised via brainstorming sessions, discussions, group exercises. The complete course took place; The Course ran its entire course of 34 days and also took informal inputs from the students for making the course better next time.

After the successful completion of the said Certificate course, a valedictory function was held on 16<sup>th</sup> October 2019. The Principal of the College, , graced the occasion. The meeting was presided over by the HOD, B. Rajender. Vote of thanks was proposed by other members.

  
Lecturer in Computer Science  
Govt. Degree College  
PATTIKONDA-518 380,  
Kurnool Dist. & P

  
PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
Kurnool Dist A P




**GOVERNMENT DEGREE COLLEGE  
PATTIKONDA**

**KURNOOL( DIST)**

**DEPARTMENT OF CHEMISTRY**

**CERTIFICATE COURSE**

**2019-20**

  
Lecturer In-Charge  
Department of Chemistry  
GOVT. DEGREE COLLEGE,  
PATTIKONDA, Kurnool Dist.

  
PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
Kurnool Dist A P

GOVERNMENT DEGREE COLLEGE, PATTIKONDA  
PROPOSAL FOR THE INTRODUCTION OF CERTIFICATE COURSE IN

Aspirin Preparation

DATE: 14/11/2019

From  
B. Krupender Reddy  
Lecturer in Chemistry  
Head of Department  
Govt. Degree College  
Pattikonda, Kurnool (Dt).

To  
The Principal,  
Govt. Degree College, Pattikonda  
Kurnool (Dt).

Respected Sir,

I would want to suggest that our college hold a certificate programme  
Aspirin Preparation The demands of departing students are  
now more regularly communicated to the Department of Chemistry. From the lowest to  
the highest levels of employment, Aspirin Preparation has become helpful to  
students. The Department of Chemistry is excited to start the course taking into  
account all of these factors.

The details of the program are

1. Name of the proposed program
2. Duration and timings of the program
3. Start date of the program
4. Course fee
5. No. of students expected for admission

: Aspirin Preparation  
: 45 days  
: 21st November 2019  
: Free  
: 33

Yours faithfully

B  
Head of Department

P  
Lecturer in Charge  
Department of Chemistry  
GOVT. DEGREE COLLEGE  
PATTIKONDA, Kurnool (Dt.)

# GOVERNMENT DEGREE COLLEGE, PATTIKONDA

Department Of Chemistry

## Minutes of the Department meeting for the conduct of Certificate Course in Artisan Preparation

Date: 15/11/2019

The Department of Chemistry, a leader in catering to student needs, has made the decision to widen opportunities for individuals graduating from our College. There is a considerable need for new graduates with Artisan Preparation skills due to the expanding job market, which has been particularly visible in the Pharmaceutical sector. With the straightforward objective of equipping graduating students with the requisite practical Synthesis abilities, the Department of Chemistry has taken the initiative to provide a Certificate Course in Artisan Preparation.

On September 2019, the Department of Chemistry held a meeting with its members on the College's property. The conference was led by the department head, B. K. Venkatesh Reddy and attended by, Principal, and other Chemistry lecturers in Chemistry. The Department unanimously decided to organize the Certificate Course in Artisan Preparation for degree-seeking students at our College, with the lecturers serving as the course instructors and the Department Head serving as chairman. As promised, the Certificate Course would span 45 days.

1. Sri B. K. Venkatesh Reddy Head of the Department :
2. Sri B. Venkatesh, Lecturer in Chemistry.
3. Sri K. Venkatesh Lecturer in Chemistry:

n. Prasad  
PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
Kurnool Dist A P



Government DEGREE COLLEGE, PATTIKONDA.

DEPARTMENT OF Chemistry

Circular

Date: 17/11/2019

All the III B.Sc final year degree students are hereby informed that the Department of Chemistry is going to start a certificate course in 'Practical Chemistry'. The duration of the course is 45 days. Students need not pay any fee for the course. The classes will commence from 21/11/2019. Interested students are required to register their names in the Chemistry Department. After successful completion of the course certificate will be provided to the students.

  
Coordinator Charge  
Lecturer  
Department of Chemistry  
GOVT. DEGREE COLLEGE,  
PATTIKONDA, Kurnool Dist.

Copy to the Library Notice Board

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Copy for Circulation among the Students

Govt. Degree College, Pattikonda

Department of Chemistry

Certificate Course In Aspirin Production

Theory: 30 hrs

Syllabus

Unit I: Structure of Aspirin/Acetylsalicylic acid

Properties of Aspirin

Synthesis of Aspirin

Unit II: Uses of Aspirin/Acetylsalicylic acid

Health Risks Associated with Aspirin

  
Dept. of Chemistry  
In-Charge  
Department of Chemistry  
GOVT. DEGREE COLLEGE,  
PATTIKONDA, Kurnool Dist.

Students List Registered For

2019-20

| No | NAME OF THE STUDENT |
|----|---------------------|
| 1  | A. Dandavali        |
| 2  | D. Upendra          |
| 3  | G. Pavendra         |
| 4  | S. Anurag Kumar     |
| 5  | K. P. Anil Kumar    |
| 6  | M. Mahesh           |
| 7  | M. Suresh           |
| 8  | P. Hareesh          |
| 9  | P. Kumar Mahesh     |
| 10 | V. Sree Prasad      |
| 11 | V. Sai Kumar        |
| 12 | A. Lehana           |
| 13 | A. Rajeshwari       |
| 14 | B. Ravi Kumar       |
| 15 | D. T. Venkatesh     |
| 16 | C. Raju             |
| 17 | G. V. Suresh        |
| 18 | K. Rohini           |
| 19 | K. Chandrashekar    |
| 20 | K. Suresh           |
| 21 | K. Mallikarjuna     |
| 22 | K. Rajakumar        |
| 23 | M. Raju             |
| 24 | M. Madhu            |
| 25 | M. Mayana           |
| 26 | M. Manoj Kumar      |
| 27 | M. Pavani Srothi    |
| 28 | N. Mallikarjuna     |
| 29 | P. Ush              |
| 30 | S. Rajkumar         |
| 31 | S. Ush              |
| 32 | V. Mallikarjuna     |
| 33 | V. Anand            |
| 34 |                     |
| 35 |                     |
| 36 |                     |
| 37 |                     |
| 38 |                     |
| 39 |                     |
| 40 |                     |

B  
Lecturer in Charge  
Department of Chemistry  
GOVT. DEGREE COLLEGE  
PATTIKONDA, KURNOOL DIST.



| S.No | Names of the Students | Attendance |   |   |   |   |   |   |   |   |    |    | Critical Programme |    |    |    |    |    |    |    |    |    |    | Total |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|------|-----------------------|------------|---|---|---|---|---|---|---|---|----|----|--------------------|----|----|----|----|----|----|----|----|----|----|-------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
|      |                       | 1          | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12                 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23    | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 1    | A. Dadavahi           | X          | X | X | X | X | X | X | X | X | X  | X  | X                  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X     | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 2    | D. Wleandra           | X          | X | X | X | X | X | X | X | X | X  | X  | X                  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X     | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 3    | C. P. Parvendra       | X          | X | X | X | X | X | X | X | X | X  | X  | X                  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X     | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 4    | J. Ananthan           | X          | X | X | X | X | X | X | X | X | X  | X  | X                  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X     | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 5    | K. P. Anilkumar       | X          | X | X | X | X | X | X | X | X | X  | X  | X                  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X     | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 6    | M. Mahesh             | X          | X | X | X | X | X | X | X | X | X  | X  | X                  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X     | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 7    | M. Suresh             | X          | X | X | X | X | X | X | X | X | X  | X  | X                  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X     | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 8    | P. Hareesh            | X          | X | X | X | X | X | X | X | X | X  | X  | X                  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X     | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 9    | P. K. Manoj           | X          | X | X | X | X | X | X | X | X | X  | X  | X                  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X     | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 10   | V. Suresh             | X          | X | X | X | X | X | X | X | X | X  | X  | X                  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X     | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 11   | V. Sankar             | X          | X | X | X | X | X | X | X | X | X  | X  | X                  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X     | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 12   | A. Lehana             | X          | X | X | X | X | X | X | X | X | X  | X  | X                  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X     | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 13   | A. Rajamani           | X          | X | X | X | X | X | X | X | X | X  | X  | X                  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X     | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 14   | P. Parvitha           | X          | X | X | X | X | X | X | X | X | X  | X  | X                  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X     | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 15   | B. T. Venkatesh       | X          | X | X | X | X | X | X | X | X | X  | X  | X                  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X     | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 16   | C. Raju               | X          | X | X | X | X | X | X | X | X | X  | X  | X                  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X     | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 17   | G. N. Srinitha        | X          | X | X | X | X | X | X | X | X | X  | X  | X                  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X     | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 18   | K. Raju               | X          | X | X | X | X | X | X | X | X | X  | X  | X                  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X     | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 19   | K. Chandrashekar      | X          | X | X | X | X | X | X | X | X | X  | X  | X                  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X     | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 20   | K. Suresh             | X          | X | X | X | X | X | X | X | X | X  | X  | X                  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X     | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 21   | K. M. Lakshmi         | X          | X | X | X | X | X | X | X | X | X  | X  | X                  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X     | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 22   | K. Rajakumar          | X          | X | X | X | X | X | X | X | X | X  | X  | X                  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X     | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 23   | M. Raju               | X          | X | X | X | X | X | X | X | X | X  | X  | X                  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X     | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 24   | M. Madhu              | X          | X | X | X | X | X | X | X | X | X  | X  | X                  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X     | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 25   | M. Manasa             | X          | X | X | X | X | X | X | X | X | X  | X  | X                  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X     | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |



[illegible]

7

[illegible]





Govt Degree College, Pattikonda.  
Model Question Paper  
Certificate Course in "Aspirin Production"

Time: 2 hrs

Max. marks: 50

Section - A

3 x 10 = 30 marks.

Answer any three questions. Each question carries ten marks.

- 1.
- 2.
- 3.
- 4.
- 5.

Section - B

II. Answer any four questions. Each question carries five marks.

4 x 5 = 20 M

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.

B ————— S  
Dept. of Chemistry  
Lecturer in Charge  
Govt Degree College,  
Pattikonda, Khammam Dist.

Govt. Degree College, Pattikonda.

Department of Chemistry

Final report of certification course in  
Preparation of Aspirin

Aspirin Preparation was developed by the Dept. of Chemistry with the help of the Principal, for the students. By offering a certification course in Aspirin Preparation for 45 days. The dept. of chemistry made a modest start in its effort to teach and enhance the students with practical knowledge of the Aspirin Preparation. The primary goal of the course, as previously decided, was to impart Aspirin Preparation knowledge of to the departing pupils. The demands of the final year students are taken into consideration when creating the courses fundamental framework. The course began November 21<sup>st</sup> 2019 and ended January 8<sup>th</sup> 2020. The pupils response was very positive.

The Principal Dr. B. Ramotham Reddy spoke the students and informed them of the significance



of technology in both the socio and economic  
He also praised the work of the department  
chemistry and complimented to Sri. B. Kripindan  
HOD, who saved as the Centre's architect. The Centre  
had a high turn of students, regular attendance of the  
which ran from 5.00 P.M. to 6.00 P.M., has 24 staff  
Indian, American and Australian.

The session were enjoying synthesis and analysis. The student were able to comprehend how to learn and understand ~~some~~ the human beings. The pupils confidence level was raised. The Brainstorming Session, discussion, group exercises and practical analyses. The complete course took place. The course ran its entire course of a 10 days and also took informal inputs from the students for making the course better next time.

After the successful completion of the Certificate course a validity function was held on 8th January 2020. The Principal of the college, Dr. B. Purushotham Reddy graced the function. The meeting was chaired over by the HOD of Chemistry. At the end of the Programme Sri. B. Venkanna, Lecturer in Chemistry presented the vote of thanks.

Lecturer in Charge  
Department of Chemistry  
GOVT. DEGREE COLLEGE,  
PATTIKONDA, Kurnool Dist.



# GOVERNMENT DEGREE COLLEGE

PATTIKONDA, KURNOOL-518380, A.P.  
AFFILIATED TO RAYALASEEMA UNIVERSITY (RU) KURNOOL  
RE-ACCREDITED BY NAAC WITH 'B' GRADE

## Department of Chemistry

# Certificate Of Participation

This is to certify that Mr./Miss./Mrs. \_\_\_\_\_ studying

\_\_\_\_\_ successfully completed in 'Anticancer Drug Design'

Organized by Department of Chemistry, Government Degree College, Pattikonda,

Kurnool(Dt) held from 21/11/2019 to 28/01/2020

  
Lecturer in Charge  
Coordinator of Chemistry  
GOVT. DEGREE COLLEGE,  
PATTIKONDA, Kurnool Dist

PRINCIPAL  
GOVT. DEGREE COLLEGE  
PATTIKONDA-518380  
Kurnool Dist A P



# Register of Attendance

YEAR : 2019 TO 2020

Certificate Course  
Attendance Register

# JBW

CHENNAI

from  
A.Y. 2019-20 ✓  
A.Y. 2020-21 ✓

Name: Tally Course Attendance

Standard: DEPARTMENT OF COMMERCE

Govt. Degree College,

Town or Village: PATTIKONDA, Kurnool Dist

Range & District



**GOVERNMENT DEGREE COLLEGE, PATTIKONDA**  
**Department Of Commerce**  
**Minutes of the Department**  
**Meeting for the conduct of Certificate Course in Tally**

Date: 01.10.2020

The Department of Commerce, a pioneer in meeting the needs of students, has decided to be a trailblazer for our College's graduating students. The job market, particularly in the financial area, has been booming, and fresh graduates with Tally knowledge are in high demand. The Department of Commerce has taken the initiative to conduct a Certificate Course in Tally, with the simple goal of providing necessary hands on knowledge on Tally to outgoing students.

On the 1<sup>st</sup> October, 2020, the Department of Commerce had a meeting with its members on the College premises. The meeting was chaired by the Head of the Department, T Ganagadhar, and the lecturers in Commerce H.Purushothamayya and U Chandra Sekhar are present. The Department unanimously resolved to organize the Certificate Course in Tally for our College's outgoing final year Degree students under the chairmanship of the Head of Department and under the direction of the principal. It was resolved that the Certificate Course will be held for 45 days. It was also decided to focus more on students from rural backgrounds, and their medium of instruction is Telugu.

1. Sri T Ganagadhar, Head of the Department

2. Sri H.Purushothamayya, Lecturer in Commerce:

3. Sri U Chandra Sekhar, Lecturer in Commerce:

DEPARTMENT OF COMMERCE  
Govt. Degree College,  
PATTIKONDA, Kurnool Dist

n. Jammey  
The Principal  
01/10/2020



**GOVERNMENT DEGREE COLLEGE, PATTIKONDA**  
**PROPOSAL FOR THE INTRODUCTION OF CERTIFICATE COURSE IN TALLY**

DATE: 2-10-2020

From,  
T Gangadhar,  
Lecturer in Commerce,  
Head of Department  
Govt. Degree College  
Pattikonda.

To,  
The Principal,  
Govt. Degree College  
Pattikonda

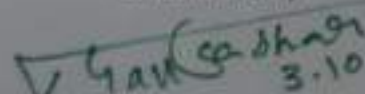
Respected Sir,

I'd like to make a proposal to you regarding the introduction of a Tally Certificate Course for our College's final year degree students. The Department of Commerce has been increasingly aware of the requirements of departing students. From the lowest to the greatest levels of employment, Knowledge in Tally has become the important factor for the commerce students. With all of these considerations in mind, the Department of commerce would like to launch the course.

The details of the program are

- |                                           |                                    |
|-------------------------------------------|------------------------------------|
| 1. Name of the proposed program           | : Tally                            |
| 2. Duration and timings of the program    | : 45 days; 2:30 pm to 4:00pm       |
| 3. Start date of the program              | : <u>06.10.2020 to 30 Nov 2020</u> |
| 4. Course fee                             | : Nil                              |
| 5. No. of students expected for admission | : 40                               |

Yours faithfully

  
3.10.20  
Head of Department (commerce)

**T. GANGADHAR**  
Lecturer in Commerce  
Govt. Degree College,  
PATTIKONDA, Kurnool Dist.

GOVERNMENT DEGREE COLLEGE, PATTIKONDA.


DEPARTMENT OF COMMERCE

Circular

Date: 03-10-2020

All the B.Com students are hereby informed that the Department of Commerce is going to start a certificate course in 'Tally'. The duration of the course is 45 days. Students need not pay any fee for the course. The classes will commence from 06-10-2020. Interested students are required to register their names in the commerce Department. After successful completion of the course certificate will be provided to the students.

Coordinator

  
( T Gangadhar )

**T. GANGADHAR**  
Lecturer in Commerce  
Govt. Degree College,  
PATTIKONDA, Kurnool Dist

Copy to the Library Notice Board

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Copy for Circulation among the Students.



# **Government Degree College, Pattikonda.**

## **Department of Commerce**

### **Final Report of Certification Course in commerce**

Department of Commerce, under the guidance of the Principal came up with idea of Tally for the students of the College. The Department of commerce has made a humble beginning to impart and enrich the students with hands on tally by conducting a certificate course in Tally for the duration of 45 days. As it was resolved earlier, the main thrust of the course was to inculcate knowledge in Tally for the out-going students. The basic structure of the course is prepared keeping in view the needs of the final year students. The said Course was started on 06.10.2020 and completed on 06.12.2020.

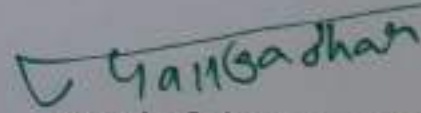
The response from the students was overwhelming. In its introductory session the Seminar Hall was jam-packed and students enthusiastically wanted to be the part of it. the principal, addressed the students intimating them about the importance of Technology in social and corporate realms. He also appreciated the effort of commerce Department and congratulated Sri T Gangadhar, HOD, Commerce Department, who was the guiding force behind the entire course. The number of students attended the Course was good. 20 Students regularly attended the Classes conducted from 2.30 P M to 4.00 PM.

The sessions were interactive, informative and interesting. The usage of hands on, videos, hand-outs, seminars, quiz's, suggestive books and interesting worksheets helped the students to grasp the tips to learn and understand Tally. There were brain-storming sessions, debates, group activities and impromptu presentations which enhanced the confidence level of the students. The Course ran its entire course of 45 days and also took informal inputs from the students for making the course better next time.

After the successful completion of the said Certificate course, a valedictory function was held on 6<sup>th</sup> December 2020. The Principal of the College, graced the occasion. The meeting was presided over by the HOD (commerce),

Sri T Gangadhar. In his opening remarks, the Head of the Department explained the need and necessity of introducing the Certificate course. The Principal advised the students to make use of the in-puts given by the Department of commerce. Certificates were distributed to the all 20 students.

At the end of program Sri U Chandra Sekhar, Lecturer in commerce, proposed the vote of thanks.

  
Head of the Department  
( T Ganagadhar)

**T. GANGADHAR**  
Lecturer in Commerce  
Govt. Degree College,  
PATTIKONDA, Kurnool Dist



POWER OF SIMPLICITY

**Tally.ERP 9 at a Glance**



## syllabus

**Accounting** – It is the most important feature of Tally ERP. the very first thing that comes to anyone's mind after listening about Tally is Accounting.

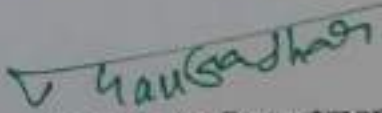
**Billing** – Billing is a significant part of any business. As and when you pass an accounting entry synchronously a bill is generated which you can use for raising or sending an invoice. Most people believe that Billing is a part of Accounting which is not true when it comes to business. Billing Option present in Tally eliminates the task of entering separate accounting.

**Payroll** – This feature can be used when you have a good number of employees. To maintain Payroll in Tally, functions such as employee groups, employee categories, pay heads, attendance, and course employees are used.

**Banking** – In this era of digitalization, no business can survive without Banking. With the help of Tally ERP, TDS GST both direct and indirect tax can be calculated automatically and its returns will be also be filed online.

**Taxation** – For any business to survive it shouldn't operate in isolation. The Business should work in cooperation with State as well as Central Government by paying appropriate Taxes. Calculation of Taxes based on the income, sale, and dispatch is quite hectic. Tally makes it easy for you to prepare any bill or invoice as it can give VAT, Income Tax, Excise, Customs, Service tax, etc.

**Inventory** – Maintenance of Stock is of utmost importance for any business. It's vital as it gives better control over business sales. Thus, the movement of stock is an integral part that can be kept in control.

  
Head of the Department  
DEPARTMENT OF COMMERCE  
G. (T Ganagadhar)  
PATTIKUNDA, Kurnool Dist

# **Name of the Students Enrolled for Tally Certificate course**

| S.No | Admi No. | Name of the Students    | class     | Signature of the Student |
|------|----------|-------------------------|-----------|--------------------------|
| 1    | 5304     | B.C.Rammohan            | I B Com   | B. C. Rammohan           |
| 2    | 5305     | S.Sai Viswanath         | I B Com   | S. Sai viswanath         |
| 3    | 5306     | E.Rajesh                | I B Com   | E. Rajesh                |
| 4    | 5308     | S.Khasmi Vali           | I B Com   | S. Khasmi Vali           |
| 5    | 5309     | B.Prakash               | I B Com   | B. prakash               |
| 6    | 5310     | K.Sulochana (W)         | II B Com  | K. sulochana             |
| 7    | 5312     | S.Mansoor Basha         | II B Com  | S. mansoor Basha         |
| 8    | 5300     | M.Mastan                | II B Com  | M. mastan                |
| 9    | 5301     | K.Sarojamma (W)         | III B Com | K. SAROJAMMA             |
| 10   | 5302     | S.Surendra              | III B Com | S. Surendra              |
| 11   | 5303     | M.Sai Meghana (W)       | III B Com | M. sai meghana           |
| 12   | 5374     | G.Madhu                 | III B Com | G. madhu                 |
| 13   | 5276     | G.Gopala Krishna        | BA        | G. Gopala Krishna        |
| 14   | 5277     | M.Manohar               | BA        | M. Madhu                 |
| 15   | 5359     | B.Urukundu              | B SC MPC  | B. urukundu              |
| 16   | 5361     | K.Praveen Kumar         | B SC MPC  | K. praveen kumar         |
| 17   | 5372     | K.Hareesh               | B SC MPC  | K. Hareesh               |
| 18   | 5373     | M.Babafiroz             | B SC MPC  | M. Babafiroz             |
| 19   | 5375     | T.Mohammad Makthum Vali | B SC MPC  | T. Mohammad makthum vali |
| 20   | 5362     | J.Govindu Naik          | B SC MPC  | J. Govindhu Naik         |
| 21   | 5368     | U.SriJyothika (W)       | B SC MPC  | U. sriJyothika           |
| 22   | 5364     | V.Venkatesh             | B SC MPC  | V. Venkatesh             |
| 23   | 5365     | S.Mastan Vali           | B SC MPC  | S. mastan Vali           |
| 24   | 5366     | K.Jagadesh              | B SC MPC  | K. Jagadesh              |
| 25   | 5367     | B.Lakshmi Prasanna (W)  | B SC MPC  | B. Lakshmi prasanna      |

*T. Gangadhar*

Signature of the In Charge

**T. GANGADHAR**

Lecturer in Commerce

Govt. Degree College,

BATTIKONDA, Kurnool Dist.

*H. Purusothamaiah*

DEPARTMENT OF COMMERCE

Govt. Degree College,

BATTIKONDA, Kurnool Dist

*G. Chandra Sekhar*

DEPARTMENT OF COMMERCE

Govt. Degree College,

BATTIKONDA, Kurnool Dist



24. 2019-20

# REGISTER OF ATTENDANCE & FEES

Name of the Institute: Govt. Degree College, Pattikonda

FOR THE MONTH OF OCTOBER 2020

Section: Tally Certificate Course Place: Pattikonda

| Name of the Institute: Govt. Degree College, Pattikonda |          |                   | Date |   |   |   |   |   |   |   |   |    |    |    | Month |    |    |    |    |    |    |    |    |    |    |    | Total Days Present | Fees |    | Remarks |    |    |    |     |    |  |  |
|---------------------------------------------------------|----------|-------------------|------|---|---|---|---|---|---|---|---|----|----|----|-------|----|----|----|----|----|----|----|----|----|----|----|--------------------|------|----|---------|----|----|----|-----|----|--|--|
| Sl. No.                                                 | Roll No. | Names             | 1    | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13    | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25                 | 26   | 27 | 28      | 29 | 30 | 31 | No. | P. |  |  |
| 1                                                       | 5304     | B.C. Ramesh       |      |   |   |   |   | X | X | X |   |    |    | X  |       | X  | X  | X  |    | X  | X  | X  |    | X  |    |    |                    |      |    |         |    |    |    |     |    |  |  |
| 2                                                       | 5305     | S. Satyavathi     |      |   |   |   |   | X | X |   |   |    |    | X  |       | X  |    | X  |    | X  | X  | X  |    | X  |    |    |                    |      |    |         |    |    |    |     |    |  |  |
| 3                                                       | 5306     | E. Rajesh         |      |   |   |   |   | X | X | X |   |    |    | X  |       |    | X  | X  |    | X  | X  | X  |    | X  |    |    |                    |      |    |         |    |    |    |     |    |  |  |
| 4                                                       | 5308     | S. Khashim        |      |   |   |   |   | X | X | X |   |    |    | X  |       | X  | X  | X  |    | X  | X  | X  |    | X  |    |    |                    |      |    |         |    |    |    |     |    |  |  |
| 5                                                       | 5309     | B. Prakash        |      |   |   |   |   | X | X | X |   |    |    | X  |       | X  | X  | X  |    | X  | X  | X  |    | X  |    |    |                    |      |    |         |    |    |    |     |    |  |  |
| 6                                                       | 5310     | K. Subashini      |      |   |   |   |   | X | X | X |   |    |    | X  |       | X  | X  | X  |    | X  | X  | X  |    | X  |    |    |                    |      |    |         |    |    |    |     |    |  |  |
| 7                                                       | 5318     | S. Manoj Kumar    |      |   |   |   |   | X | X | X |   |    |    | X  |       | X  | X  | X  |    | X  | X  | X  |    | X  |    |    |                    |      |    |         |    |    |    |     |    |  |  |
| 8                                                       | 5300     | M. Mahant         |      |   |   |   |   | X | X | X |   |    |    | X  |       | X  | X  | X  |    | X  | X  | X  |    | X  |    |    |                    |      |    |         |    |    |    |     |    |  |  |
| 9                                                       | 5301     | K. Sarojamma      |      |   |   |   |   | X | X | X |   |    |    | X  |       | X  | X  | X  |    | X  | X  | X  |    | X  |    |    |                    |      |    |         |    |    |    |     |    |  |  |
| 10                                                      | 5302     | S. Suresh         |      |   |   |   |   | X | X | X |   |    |    | X  |       | X  | X  | X  |    | X  | X  | X  |    | X  |    |    |                    |      |    |         |    |    |    |     |    |  |  |
| 11                                                      | 5303     | M. Satish Kumar   |      |   |   |   |   | X | X | X |   |    |    | X  |       | X  | X  | X  |    | X  | X  | X  |    | X  |    |    |                    |      |    |         |    |    |    |     |    |  |  |
| 12                                                      | 5314     | G. Madhu          |      |   |   |   |   | X | X | X |   |    |    | X  |       | X  | X  | X  |    | X  | X  | X  |    | X  |    |    |                    |      |    |         |    |    |    |     |    |  |  |
| 13                                                      | 5316     | G. Gopalakrishna  |      |   |   |   |   | X | X | X |   |    |    | X  |       | X  | X  | X  |    | X  | X  | X  |    | X  |    |    |                    |      |    |         |    |    |    |     |    |  |  |
| 14                                                      | 5317     | M. Manohar        |      |   |   |   |   | X | X | X |   |    |    | X  |       | X  | X  | X  |    | X  | X  | X  |    | X  |    |    |                    |      |    |         |    |    |    |     |    |  |  |
| 15                                                      | 5351     | B. Umashankar     |      |   |   |   |   | X | X | X |   |    |    | X  |       | X  | X  | X  |    | X  | X  | X  |    | X  |    |    |                    |      |    |         |    |    |    |     |    |  |  |
| 16                                                      | 5361     | K. Praveen Kumar  |      |   |   |   |   | X | X | X |   |    |    | X  |       | X  | X  | X  |    | X  | X  | X  |    | X  |    |    |                    |      |    |         |    |    |    |     |    |  |  |
| 17                                                      | 5372     | K. Harish         |      |   |   |   |   | X | X | X |   |    |    | X  |       | X  | X  | X  |    | X  | X  | X  |    | X  |    |    |                    |      |    |         |    |    |    |     |    |  |  |
| 18                                                      | 5313     | M. Babaraj        |      |   |   |   |   | X | X | X |   |    |    | X  |       | X  | X  | X  |    | X  | X  | X  |    | X  |    |    |                    |      |    |         |    |    |    |     |    |  |  |
| 19                                                      | 5370     | T. Mohan Kumar    |      |   |   |   |   | X | X | X |   |    |    | X  |       | X  | X  | X  |    | X  | X  | X  |    | X  |    |    |                    |      |    |         |    |    |    |     |    |  |  |
| 20                                                      | 5342     | J. Govindaraj     |      |   |   |   |   | X | X | X |   |    |    | X  |       | X  | X  | X  |    | X  | X  | X  |    | X  |    |    |                    |      |    |         |    |    |    |     |    |  |  |
| 21                                                      | 5308     | U. Sanyal         |      |   |   |   |   | X | X | X |   |    |    | X  |       | X  | X  | X  |    | X  | X  | X  |    | X  |    |    |                    |      |    |         |    |    |    |     |    |  |  |
| 22                                                      | 5304     | V. Venkatesh      |      |   |   |   |   | X | X | X |   |    |    | X  |       | X  | X  | X  |    | X  | X  | X  |    | X  |    |    |                    |      |    |         |    |    |    |     |    |  |  |
| 23                                                      | 5305     | S. Naveen         |      |   |   |   |   | X | X | X |   |    |    | X  |       | X  | X  | X  |    | X  | X  | X  |    | X  |    |    |                    |      |    |         |    |    |    |     |    |  |  |
| 24                                                      | 5308     | K. Thirumala      |      |   |   |   |   | X | X | X |   |    |    | X  |       | X  | X  | X  |    | X  | X  | X  |    | X  |    |    |                    |      |    |         |    |    |    |     |    |  |  |
| 25                                                      | 5307     | B. Lakshmi Prasad |      |   |   |   |   | X | X | X |   |    |    | X  |       | X  | X  | X  |    | X  | X  | X  |    | X  |    |    |                    |      |    |         |    |    |    |     |    |  |  |

DEPARTMENT OF COMMERCE

Govt. Degree College,

PATTIKONDA, Kurnool Dist

DEPARTMENT OF COMMERCE  
Govt. Degree College,  
PATTIKONDA, Kurnool Dist.



# REGISTER OF ATTENDANCE & FEES

Name of the Institute Govt. Degree College

## FOR THE MONTH OF

NOVEMBER 2020

Section Third Semester Law

Page 10771 & 108

| Sl. No.              | Roll No. | NAME               | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | Month<br>Days<br>Present | FEES<br>Rs. | P. | Remarks |
|----------------------|----------|--------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------------------------|-------------|----|---------|
| 1                    | 5309     | B. Ranthrao        |   | X | X | X |   | X |   |   |   | X  | X  | X  |    |    |    |    |    | X  | X  | X  |    |    | X  | X  |    | X  |    |    |    |    |    |                          |             |    |         |
| 2                    | 5305     | S. Sathyaiah       |   | X | X | X | X |   |   |   |   | X  | X  | X  |    |    |    |    |    | X  | X  | X  |    |    | X  | X  |    | X  |    |    |    |    |    |                          |             |    |         |
| 3                    | 5304     | E. Rajesh          |   | X | X | X | X |   |   |   |   | X  |    |    |    |    |    |    |    | X  | X  | X  |    |    | X  | X  |    | X  |    |    |    |    |    |                          |             |    |         |
| 4                    | 5306     | S. Kacharvala      |   | X | X | X | X |   |   |   |   | X  | X  | X  |    |    |    |    |    | X  | X  | X  |    |    | X  | X  |    | X  |    |    |    |    |    |                          |             |    |         |
| 5                    | 5319     | B. Prakash         |   | X | X | X | X |   |   |   |   | X  | X  | X  |    |    |    |    |    | X  | X  | X  |    |    | X  | X  |    | X  |    |    |    |    |    |                          |             |    |         |
| 6                    | 5310     | K. Sulejannava     |   | X | X | X | X |   |   |   |   | X  | X  | X  |    |    |    |    |    | X  | X  | X  |    |    | X  | X  |    | X  |    |    |    |    |    |                          |             |    |         |
| 7                    | 5312     | S. Manjeshwar      |   | X | X | X | X |   |   |   |   | X  | X  | X  |    |    |    |    |    | X  | X  | X  |    |    | X  | X  |    | X  |    |    |    |    |    |                          |             |    |         |
| 8                    | 5308     | M. Manan           |   | X | X | X | X |   |   |   |   | X  | X  | X  |    |    |    |    |    | X  | X  | X  |    |    | X  | X  |    | X  |    |    |    |    |    |                          |             |    |         |
| 9                    | 5307     | K. Sanjaykumar (M) |   | X | X | X | X |   |   |   |   | X  | X  | X  |    |    |    |    |    | X  | X  | X  |    |    | X  | X  |    | X  |    |    |    |    |    |                          |             |    |         |
| 10                   | 5302     | S. Surendra        |   | X | X | X | X |   |   |   |   | X  | X  | X  |    |    |    |    |    | X  | X  | X  |    |    | X  | X  |    | X  |    |    |    |    |    |                          |             |    |         |
| 11                   | 5303     | M. Saimyhanal      |   | X | X | X | X |   |   |   |   | X  | X  | X  |    |    |    |    |    | X  | X  | X  |    |    | X  | X  |    | X  |    |    |    |    |    |                          |             |    |         |
| 12                   | 5374     | S. Madhu           |   | X | X | X | X |   |   |   |   | X  | X  | X  |    |    |    |    |    | X  | X  | X  |    |    | X  | X  |    | X  |    |    |    |    |    |                          |             |    |         |
| 13                   | 5376     | G. Gopalakrishna   |   | X | X | X | X |   |   |   |   | X  | X  | X  |    |    |    |    |    | X  | X  | X  |    |    | X  | X  |    | X  |    |    |    |    |    |                          |             |    |         |
| 14                   | 5377     | M. Manoj           |   | X | X | X | X |   |   |   |   | X  | X  | X  |    |    |    |    |    | X  | X  | X  |    |    | X  | X  |    | X  |    |    |    |    |    |                          |             |    |         |
| 15                   | 5397     | B. Chakravarthy    |   | X | X | X | X |   |   |   |   | X  | X  | X  |    |    |    |    |    | X  | X  | X  |    |    | X  | X  |    | X  |    |    |    |    |    |                          |             |    |         |
| 16                   | 5301     | K. Praveenkumar    |   | X | X | X | X |   |   |   |   | X  | X  | X  |    |    |    |    |    | X  | X  | X  |    |    | X  | X  |    | X  |    |    |    |    |    |                          |             |    |         |
| 17                   | 5372     | K. Hemant          |   | X | X | X | X |   |   |   |   | X  | X  | X  |    |    |    |    |    | X  | X  | X  |    |    | X  | X  |    | X  |    |    |    |    |    |                          |             |    |         |
| 18                   | 5373     | M. Balakrishna     |   | X | X | X | X |   |   |   |   | X  | X  | X  |    |    |    |    |    | X  | X  | X  |    |    | X  | X  |    | X  |    |    |    |    |    |                          |             |    |         |
| 19                   | 5375     | T. Maheshwari      |   | X | X | X | X |   |   |   |   | X  | X  | X  |    |    |    |    |    | X  | X  | X  |    |    | X  | X  |    | X  |    |    |    |    |    |                          |             |    |         |
| 20                   | 5362     | P. Bhandari        |   | X | X | X | X |   |   |   |   | X  | X  | X  |    |    |    |    |    | X  | X  | X  |    |    | X  | X  |    | X  |    |    |    |    |    |                          |             |    |         |
| 21                   | 5368     | U. Sankar          |   | X | X | X | X |   |   |   |   | X  | X  | X  |    |    |    |    |    | X  | X  | X  |    |    | X  | X  |    | X  |    |    |    |    |    |                          |             |    |         |
| 22                   | 5364     | V. Venkatesh       |   | X | X | X | X |   |   |   |   | X  | X  | X  |    |    |    |    |    | X  | X  | X  |    |    | X  | X  |    | X  |    |    |    |    |    |                          |             |    |         |
| 23                   | 5365     | S. Madhavi         |   | X | X | X | X |   |   |   |   | X  | X  | X  |    |    |    |    |    | X  | X  | X  |    |    | X  | X  |    | X  |    |    |    |    |    |                          |             |    |         |
| 24                   | 5366     | K. Jagadeesh       |   | X | X | X | X |   |   |   |   | X  | X  | X  |    |    |    |    |    | X  | X  | X  |    |    | X  | X  |    | X  |    |    |    |    |    |                          |             |    |         |
| 25                   | 5367     | B. Srinivasan      |   | X | X | X | X |   |   |   |   | X  | X  | X  |    |    |    |    |    | X  | X  | X  |    |    | X  | X  |    | X  |    |    |    |    |    |                          |             |    |         |
| Number Present Daily |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
| Total                |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
| Signature            |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
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|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
|                      |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |
| </                   |          |                    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                          |             |    |         |

First Week Holiday  
Second Week Holiday  
Third Week Holiday

DEPARTMENT OF CONFERENCE  
Govt. Degree College  
BATTIKONDA, Kurnool Dist.

No. of working days 23

Average Attendance during this month

No. of students during this month

**GOVERNMENT DEGREE COLLEGE, PATTIKONDA**  
**PROPOSAL FOR THE INTRODUCTION OF CERTIFICATE COURSE IN**  
**MODERN PRINCIPLES AND TECHNOLOGIES OF ARCHEOLOGY**

DATE: 10-11-2019

From  
V. Krishnaiah,  
Lecturer in History,  
Head of Department  
Govt. Degree College  
Pattikonda, Kurnool (Dt).

To  
The Principal,  
Govt. Degree College, Pattikonda  
Kurnool (Dt).

Respected Sir,

I would want to suggest that our college hold a certificate programme BA., HEP. The demands of departing students are now more regularly communicated to the Department of History. From the lowest to the highest levels of employment, Skills has become useful students. The Department of History is excited to start the course considering all of these factors.

The details of the program are

- |                                          |                      |
|------------------------------------------|----------------------|
| 1. Name of the proposed program          | : Certificate Course |
| 2. Duration and timings of the program   | : 30 days            |
| 3. Start date of the program             | : November 20, 2019  |
| 4. Course fee                            | : Nil                |
| 5. No of students expected for admission | : 20                 |

Yours faithfully

*V. Krishnaiah*

Head of Department (History)  
GOVT. DEGREE COLLEGE,  
PATTIKONDA Kurnool Dist.



**GOVERNMENT DEGREE COLLEGE, PATTIKONDA**

**Department Of History**


**Minutes of the Department meeting for the conduct of  
Certificate Course in Modern principles and technologies of Archeology**

Date: 20-11-2019

The Department of History, a leader in catering to student needs, has made the decision to widen opportunities for individuals graduating from our college. There is a considerable need for new graduates with employability skills due to the expanding job market, which has been particularly visible in the Banking Sector. With the straightforward objective of equipping graduating students with the requisite practical Knowledge and abilities, the Department of History has taken the initiative to provide a Certificate Course Modern principles and technology of Archeology.

On 19-09-2019, the Department of History held a meeting with its members on the College's property. The conference was led by the department head, V.Krishnaiah, and attended by, Venkata Narsaiah, and Sri jayachandra, lecturers in Economics. The Department unanimously decided to organize the Certificate Course Modern principles and technology of Archeology for degree-seeking students at our college, with the lecturers serving as the course instructors and the Department Head serving as chairman. As promised, the Certificate Course would span 45 days.

1. Sri V.Krishnaiah, Head of the Department
2. Sri Dr. Venkata Narsaiah, Lecturer in Political Science
3. Sri Jayachandra, Lecturer in Economics

  
PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
Kurnool Dist A P



**Government DEGREE COLLEGE, PATTIKONDA.**

**DEPARTMENT OF HISTORY**

**Circular**

Date: 13-11-2019

All the BA., HEP final year degree students are hereby informed that the Department of History is going to start a certificate course in **Modern principles and technologies of Archeology**. The duration of the course is 45 days. Students need not pay any fee for the course. The classes will commence from November 20, 2019 to January 5, 2020. Interested students are required to register their names in the History Department. After successful completion of the course certificate will be provided to the students.

*V. Krishnaiah*

Coordinator  
Lecturer in History,  
GOVT DEGREE COLLEGE,  
PATTIKONDA, Kurnool Dist.

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## Syllabus

### **Modern principles and technologies of Archeology**

#### Unit-1

Definition Nature and scope of Archaeology Relationship of Archeology with social and nature science-Application of Digital Technology in Archaeology

GIS and satellite Imagery-computers the Internet

#### Unit-II

Retrieval of Archaeological data Techniques of Exploration Excavation-study of maps-Aerial survey-photogrammetry water Exploration-tools of Archaeology

#### Unit-III

Chronology-relative chronology-radiocarbon Dating-principles of conservation Preservation and Documentation of Archaeological antiquities.

**Model question paper (2019-20)**

**Modern principles and technologies of Archeology**

**Time 01:30**

**Maximum marks :50**

**Answer any 3 questions (3x10)**

1. Definition nature of and scope of archaeology?
2. Write about relationship of Archaeology with social and natural science
3. Write about application of Digital technology in archaeology
4. Write techniques of exploration, Excavation, and study maps

**II Answer any four Questions 4x5=20**

1. GIS and Satellite imagery
2. Aerial survey
3. Water Exploration
4. Principles of conservation
5. Radio carbon dating
6. Tools of Archaeology



Students List Registered For 2019-20

| S.No | NAME OF THE STUDENT |
|------|---------------------|
| 1    | A.Ravi Kumar        |
| 2    | B.Ultheppa          |
| 3    | B.Swathi            |
| 4    | C.Ashok             |
| 5    | G.Radhamma          |
| 6    | K.Karthik           |
| 7    | K.Arshiya           |
| 8    | K.Harikrishna       |
| 9    | M.Vinash            |
| 10   | M.Rangaswamy        |
| 11   | M.Sekhar            |
| 12   | P.Imam Bee          |
| 13   | P.Kasivishwanath    |
| 14   | T.Siva Kumar        |
| 15   | Y.Anitha            |
| 16   | K.Anjaneyulu        |
| 17   | M.Sanjeevakarna     |
| 18   | N.Lokesh Naik       |
| 19   | U.Naresh            |
| 20   | U.Shantha Kumar     |

# Attendance Sheet 2019-20 Certificate Program

| S. No | Names of the Students | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|-------|-----------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1     | A.Ravi Kumar          | X | X | X | X |   | X | X | X | X | X  | X  |    | X  | X  | X  | X  | X  |    |    |    |    |    |    |
| 2     | B.Uthappa             | X | X | X | X |   | X | X | X | X | X  | X  |    | X  | X  | X  | X  | X  |    |    | X  | X  | X  | X  |
| 3     | B.Swathi              | X | X | X | X |   | X | X | X | X | X  | X  |    | X  | X  | X  | X  | X  |    |    | X  | X  | X  | X  |
| 4     | C.Ashok               | X | X | X | X |   | X | X | X | X | X  | X  |    | X  | X  | X  | X  | X  |    |    | X  | X  | X  | X  |
| 5     | G.Radhamma            | X | X | X | X |   | X | X | X | X | X  | X  |    | X  | X  | X  | X  | X  |    |    | X  | X  | X  | X  |
| 6     | K.Karthik             | X | X | X | X |   | X | X | X | X | X  | X  |    | X  | X  | X  | X  | X  |    |    | X  | X  | X  | X  |
| 7     | K.Arshiya             | X | X | X | X |   | X | X | X | X | X  | X  |    | X  | X  | X  | X  | X  |    |    | X  | X  | X  | X  |
| 8     | K.Harikrishna         | X | X | X | X |   | X | X | X | X | X  | X  |    | X  | X  | X  | X  | X  |    |    | X  | X  | X  | X  |
| 9     | M.Vinash              | X | X | X | X |   | X | X | X | X | X  | X  |    | X  | X  | X  | X  | X  |    |    | X  | X  | X  | X  |
| 10    | M.Rangaswamy          | X | X | X | X |   | X | X | X | X | X  | X  |    | X  | X  | X  | X  | X  |    |    | X  | X  | X  | X  |
| 11    | M.Sekhar              | X | X | X | X |   | X | X | X | X | X  | X  |    | X  | X  | X  | X  | X  |    |    | X  | X  | X  | X  |
| 12    | P.Imam Bee            | X | X | X | X |   | X | X | X | X | X  | X  |    | X  | X  | X  | X  | X  |    |    | X  | X  | X  | X  |
| 13    | P.Kasivishwanath      | X | X | X | X |   | X | X | X | X | X  | X  |    | X  | X  | X  | X  | X  |    |    | X  | X  | X  | X  |
| 14    | T.Siva Kumar          | X | X | X | X |   | X | X | X | X | X  | X  |    | X  | X  | X  | X  | X  |    |    | X  | X  | X  | X  |
| 15    | Y.Anitha              | X | X | X | X |   | X | X | X | X | X  | X  |    | X  | X  | X  | X  | X  |    |    | X  | X  | X  | X  |
| 16    | K.Anjaneyulu          | X | X | X | X |   | X | X | X | X | X  | X  |    | X  | X  | X  | X  | X  |    |    | X  | X  | X  | X  |
| 17    | M.Sanjeevakra         | X | X | X | X |   | X | X | X | X | X  | X  |    | X  | X  | X  | X  | X  |    |    | X  | X  | X  | X  |
| 18    | N.Lokesh Naik         | X | X | X | X |   | X | X | X | X | X  | X  |    | X  | X  | X  | X  | X  |    |    | X  | X  | X  | X  |
| 19    | U.Naresh              | X | X | X | X |   | X | X | X | X | X  | X  |    | X  | X  | X  | X  | X  |    |    | X  | X  | X  | X  |
| 20    | U.Shantha Kumar       | X | X | X | X |   | X | X | X | X | X  | X  |    | X  | X  | X  | X  | X  |    |    | X  | X  | X  | X  |

|    | Names of the Students | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 |
|----|-----------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1  | A.Ravi Kumar          | X  | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  |    |    |    |    |    |    |    |    |    |
| 2  | B.Ultheppa            | X  | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  |    |    |    |    |    |    |    |    |    |
| 3  | B.Swathi              | X  | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  |    |    |    |    |    |    |    |    |    |
| 4  | C.Ashok               | X  | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  |    |    |    |    |    |    |    |    |    |
| 5  | G.Radhamma            | X  | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  |    |    |    |    |    |    |    |    |    |
| 6  | K.Karthik             | X  | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  |    |    |    |    |    |    |    |    |    |
| 7  | K.Arshiya             | X  | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  |    |    |    |    |    |    |    |    |    |
| 8  | K.Harikrishna         | X  | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  |    |    |    |    |    |    |    |    |    |
| 9  | M.Vinash              | X  | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  |    |    |    |    |    |    |    |    |    |
| 10 | M.Rangaswamy          | X  | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  |    |    |    |    |    |    |    |    |    |
| 11 | M.Sekhar              | X  | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  |    |    |    |    |    |    |    |    |    |
| 12 | P.Imam Bee            | X  | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  |    |    |    |    |    |    |    |    |    |
| 13 | P.Kasivishwanath      | X  | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  |    |    |    |    |    |    |    |    |    |
| 14 | T.Siva Kumar          | X  | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  |    |    |    |    |    |    |    |    |    |
| 15 | Y.Anitha              | X  | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  |    |    |    |    |    |    |    |    |    |
| 16 | K.Anjaneyulu          | X  | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  |    |    |    |    |    |    |    |    |    |
| 17 | M.Sanjeevakra         | X  | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  |    |    |    |    |    |    |    |    |    |
| 18 | N.Lokesh Naik         | X  | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  |    |    |    |    |    |    |    |    |    |
| 19 | U.Naresh              | X  | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  |    |    |    |    |    |    |    |    |    |
| 20 | U.Shantha Kumar       | X  | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  |    |    |    |    |    |    |    |    |    |





# GOVERNMENT DEGREE COLLEGE

PATTIKONDA, KURNOOL-518380, A.P.  
AFFILIATED TO RAYALASEEMA UNIVERSITY (RU) KURNOOL  
RE-ACCREDITED BY NAAC WITH 'B' GRADE

**Department of \_\_\_\_\_**

## Certificate Of Participation

This is to certify that Mr./Miss./Mrs. \_\_\_\_\_ studying  
\_\_\_\_\_ successfully completed ' \_\_\_\_\_ '

Organized by Department of \_\_\_\_\_, Government Degree College,  
Pattikonda, Kurnool(Dt) held from \_\_\_\_\_ to \_\_\_\_\_.

Coordinator

Principal

GOVERNMENT DEGREE COLLEGE::PATTIKONDA  
DEPARTMENT OF PHYSICS  
CERTIFICATE COURSE  
ON  
REFRIGIRATOR-SERVICE  
2019-20

  
COORDINATOR

  
PRINCIPAL  
GOVERNMENT DEGREE COLLEGE  
PATTIKONDA, DISTRICT

**GOVERNMENT DEGREE COLLEGE, PATTIKONDA**

**Department Of PHYSICS**

**Minutes of the Department meeting for the conduct of  
Certificate Course on REFRIGIRATOR SERVICE**

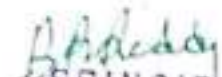
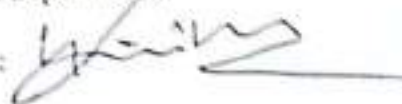
Date:01.08.2019

The Department of Physics, a leader in catering to student needs, has made the decision to widen opportunities for individuals graduating from our College. There is a considerable need for new graduates with technical skills due to the expanding job market, which has been particularly visible in the private sector. With the straightforward objective of equipping graduating students with the requisite practical and technical abilities, the Department of Physics has taken the initiative to provide a Certificate Course in **REFRIGIRATOR SERVICE**.

On 01.08.2019, the Department of Physics held a meeting with its members on the College's property. The conference was led by the department head, Sri.A.Ravisankar Sharma, and attended by, Dr.G.Srinivasulu, in the laboratory. The Department unanimously decided to organize the Certificate Course on **REFRIGIRATOR SERVICE** for degree-seeking students at our College, with the lecturers serving as the course instructors and the Department Head serving as chairman. As promised, the Certificate Course would span 20 days.

1. Sri.A.Ravisankar Sharma, Head of the Department

2. Dr.G.Srinivasulu, Lecturer in Physics :



PRINCIPAL  
Govt Degree College  
PATTIKONDA, Kuttai Dist



**GOVERNMENT DEGREE COLLEGE, PATTIKONDA**  
**PROPOSAL FOR THE INTRODUCTION OF CERTIFICATE COURSE IN**  
**REFRIGIRATOR SERVICE**

DATE: 03.08.2019

From  
Sri.A.Ravisankar Sharma,  
Lecturer in Physics,  
Head of Department  
Govt. Degree College  
Pattikonda, Kurnool (Dt).

To  
The Principal,  
Govt. Degree College, Pattikonda  
Kurnool (Dt),

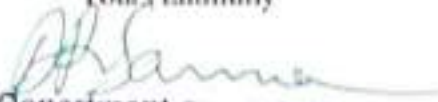
Respected Sir,

I would want to suggest that our college hold a certificate programme on "REFRIGRATOR-SERVICE". The demands of departing students are now more regularly communicated to the Department of Physics. From the lowest to the highest levels of employment, this Programme has become essential to the students. The Department of Physics is excited to start the course taking into account all of these factors.

The details of the program are

- |                                           |                      |
|-------------------------------------------|----------------------|
| 1. Name of the proposed program           | : CERTIFICATE COURSE |
| 2. Duration and timings of the program    | : 45 DAYS            |
| 3. Start date of the program              | : 13.08.2019         |
| 4. Course fee                             | : Rs.00              |
| 5. No. of students expected for admission | : 20                 |

Yours faithfully

  
Department of Physics  
Govt. Degree College of Physics  
Pattikonda

GOVERNMENT DEGREE COLLEGE, PATTIKONDA.

DEPARTMENT OF PHYSICS

Circular

Date: 10.08.2019

All the B.Sc. M.P.Cs Second year degree students are hereby informed that the Department of Physics is going to start a certificate course in 'REFRIGIRATOR SERVICE'. The duration of the course is 20 days. Students need not pay any fee for the course. The classes will commence from 13.08.2019. Interested students are required to register their names in the Physics Department. After successful completion of the course certificate will be provided to the students.

Coordinator



(Dr.G.Srinivasulu)


Copy to the Library Notice Board


Copy to the Notice Board

Copy for Circulation among the Students

Students List Registered For REFRIGIRATOR SERVICE 2018-19

| S.No | NAME OF THE STUDENT |
|------|---------------------|
| 1    | A.SRINIVASULU       |
| 2    | B.MAHESH BABU       |
| 3    | G.SASI KUMAR        |
| 4    | K.SATISH            |
| 5    | K.MALLIKARJUNA      |
| 6    | L.RAJASEKHAR        |
| 7    | M.RAJESH            |
| 8    | P.SIVASANKAR PRASAD |
| 9    | P.RAJESH KUMAR      |
| 10   | P.SANDHYA           |
| 11   | R.RAVI TEJA         |
| 12   | S.RAMESH            |
| 13   | P.NEELA KANTA       |
| 14   | Y.SRIRANGADU        |
| 15   | Y.SRIKANTH          |
| 16   | A.DADAVALI          |
| 17   | D.UPENDRA           |
| 18   | D.LOKESU            |
| 19   | D.RANGASWAMY        |
| 20   | G.RUVENDRA          |

  
Coordinator

  
I/c of Dept of Physics



**REFRIGIRATOR SERVICE**  
SYLLABUS AND COURSE OUTCOMES

### Training outcomes:-

At the end of the training, the candidates will be able to

1. Appreciate the importance of embarking on self-employment and has developed the confidence and personal skills for the same.
2. Identify business opportunities in chosen sector / sub-sector and plan and market and sell products / services
3. Start a small business enterprise by liaising with different stake holders
4. Effectively manage small business enterprise
5. Understand the Fundamentals of Electrical equipments, electricity, current, voltage, power and circuits of different capacity motors.
6. Perform House wiring / Hospital Wiring / Office /Go-down wiring etc.
7. Identify the cable sizes and perform cable jointing

### Syllabus:-

1. Candidate is clearly able to differentiate between Wage employment, Self-employment and Entrepreneurship
2. Understand, appreciate and develop the self-confidence for embarking on self-employment/entrepreneurship.
3. Understand and internalize entrepreneurial competencies and know their importance for becoming a successful entrepreneur.
4. Trainee is able to understand the legal and regulatory aspects of launching an enterprise.
5. Trainee is able to appreciate need for continuous growth and expansion of an enterprise

REFRIGERATOR SERVICE Certificate Course

Time 01:30 Hrs

Maximum Marks :50

Each question carries 8 marks (8\*5)

1. Do the lights dim when appliances work?
2. Have you ever upgraded your electrical service?
3. What are the essential precautions at service break?
4. What are AC and DC supply?
5. What is M.C.B?

Each question carries one mark (1\*10)

1. \_\_\_\_\_ is the Electricians knife.  
(A) Double blade  
(B) Cutter  
(C) Blade  
(D) Tester
2. Electric Wire usually made of \_\_\_\_\_.  
(A) Tin  
(B) Steel  
(C) Copper  
(D) Iron
3. Which effect of current applied in ceiling fan?  
(A) Heating  
(B) Chemical  
(C) Magnetic  
(D) Gas Ionization
4. Unit of Electrical Resistance?  
(A) Volt  
(B) Ohm  
(C) Watt  
(D) Ampere







# GOVERNMENT DEGREE COLLEGE

PATTIKONDA, KURNOOL-518380, A.P.

AFFILIATED TO RAYALASEEMA UNIVERSITY (RU) KURNOOL.

RE-ACCREDITED BY NAAC WITH 'B' GRADE.

DEPARTMENT OF PHYSICS

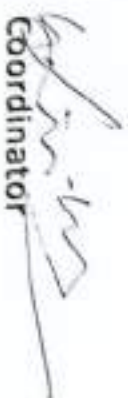
## Certificate Of Participation

This is to certify that Mr./Miss.A.SRINIVASULU studying II B.Sc. M.P.Cs successfully

Completed 'REFRIGRATOR SERVICE' Organized by Department of Physics, Government Degree College,

Pattikonda,

Kurnool (DT) held from 13.08.2019 to 28.09.2019.

  
Coordinator

  
Principal

Government Degree College, Pattikonda

Department of Physics


### Final Report of Certification Course in REFRIGIRATOR SERVICE

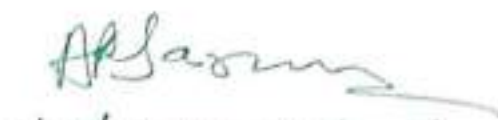
**REFRIGIRATOR SERVICE** was developed by the Department of Physics with the help of the Principal, Dr. B.Purushotam Reddy, for the College's students. By offering a certificate course in **REFRIGIRATOR SERVICE** for 45 days, the Department of Physics has made a modest start in its effort to teach and enhance the students with practical knowledge of the House wiring. The primary goal of the course, as previously decided, was to impart House wiring knowledge to the departing pupils. The demands of the final year students are taken into consideration when creating the course's fundamental framework. The aforementioned course began on August 13, 2019, and ended on 28 September, 2019. The pupils' response was very positive. The Seminar Hall was crowded with eager students for its first presentation.

The principal, Dr. B.Purushotam Reddy, spoke to the students and informed them of the significance of technology in both the social and business spheres. He also praised the work of the department of business and complimented Sri A.RAVISANKAR SHARMA, HOD, who served as the course's architect. The course had a high turnout of students. Regular attendance for the classes, which ran from 04.00 PM to 6:00 PM, was 20 students.

The sessions were engaging, educational, and fascinating. The students were able to comprehend how to learn and understand House wiring with the use of hands-on activities, films, handouts, seminars, quizzes, suggested books, and engaging exercises. The pupils' confidence level was raised via brainstorming sessions, discussions, group exercises, and impromptu presentations. The complete course took place. The Course ran its entire course of 20 days and also took informal inputs from the students for making the course better next time.

After the successful completion of the said Certificate course, a valedictory function was held on 28<sup>th</sup> September 2019. The Principal of the College, Dr. B.Purushotam Reddy, graced the occasion. The meeting was presided over by the HOD (Physics), Sri A.Ravisankar sharma. At the end of program Dr.G. Srinivasulu, Lecturer in Physics, proposed the vote of thanks.

  
Coordinator

  
HOD of Dept of Physics



**Government Degree College**

**Pattikonda, Kurnool (Dt).**

**Department of English**



**A Certificate course in  
Daily use English Sentences with  
Telugu Meaning  
for the year-2019-20**

# Government Degree College, Pattikonda

2019-20 -Proposal for the Introduction of Certificate

Course in

## Daily Use English Sentences with Telugu Meaning

Date: 01-10-2019

From  
Malli babu,  
Lecturer in English,  
Head of Department  
Govt. Degree College  
Pattikonda, Kurnool (Dt).

To  
The Principal,  
Govt. Degree College, Pattikonda  
Kurnool (Dt),

Respected Sir,

The Department of English will hold a certificate course in *Daily Use English Sentences with Telugu Meaning*. The course is in response to the demand of departing students. Communication skills are now regularly communicated from the lowest to the highest levels of employment. Spoken English and grammar are beneficial to students. The Department of English is enthusiastic about starting the course, considering all of these factors. Details of the program will be provided.

1. Name of the proposed program : A Certificate course in *Daily Use English Sentences with Telugu Meaning*
2. Duration and timings of the program : 40 days
3. Start date of the program : October 16, 2019
4. Course fee : free
5. No. of students expected for admission: 40

  
Yours faithfully

Head of Department, English  
DEPARTMENT OF ENGLISH  
Govt. Degree College,  
PATTIKONDA, Kurnool (Dist).



# GOVERNMENT DEGREE COLLEGE, PATTIKONDA

## Department Of English Minutes of the Department Meeting For the Conduct Of Certificate Course in *Daily Use English Sentences With Telugu Meaning*

Date: 05-10-2019

The English department, a leader in meeting the students' needs, has decided to increase the number opportunities of college students. In this globalised world there is a significant need for the outgoing students with effective spoken English, grammar, vocabulary and sentence construction skills. So the Department of English has taken the initiative to offer a Certificate Course in Communication Skills with the simple goal of giving graduating students the necessary practical English grammar and speaking skills.

The Department of English met with its members on the College's property on 16/10/2019. The Department unanimously decided to set up the Certificate Course in communication skills for degree seeking students at our College, with the lecturers serving as course instructors and the Department Head acting as chairman. The conference was presided over by department head Mallibabu. The Certificate Course would last 45 days as promised.



1. Sri Malli babu, Head of the Department :

**DEPARTMENT OF ENGLISH**  
Govt. Degree College,  
PATTIKONDA. Kurnool (Dist).





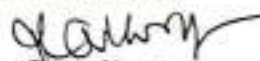
# Government Degree College, Pattikonda.

## Department of English

Date: 05-10-2019

### Circular

English Department is starting a certificate course in Daily Use English Sentences with Telugu Meaning for the duration of the course, which will last 40 days. There is no fee required for the course, and classes will commence on October 16<sup>th</sup>, 2019. If you're interested in enrolling, please register your name with the department soon! After successfully completing the course, you'll receive a certificate.

  
Coordinator

DEPARTMENT OF ENGLISH  
Govt. Degree College,  
PATTIKONDA, Kurnool (Dist).

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**Model Question Paper (2019-20)**  
**A Certificate Course in Communication Skills**

**Time 01:30**

**Maximum Marks: 50**

---

**1. Boys are playing in the ground**

- A. SVO**
- B. SVC**
- C. SVA**
- D. SVOO**

**2. Kalpana cooks very well**

- A. SVA**
- B. SVO**
- C. SVC**
- D. SVOC**

**3. They made her my secretary**

- A. SVOO**
- B. SVOC**
- C. SVCA**
- D. SVO**

**4. Sentries have been posted all round the building**

- A. SVO**
- B. SVAA**
- C. SVA**
- D. SVC**

**5. He is sleeping**

- A. SV**
- B. SVO**
- C. SVC**
- D. SVA**

**6. I teach him English**

- A. SVA**
- B. SVOO**
- C. SVOC**
- D. SVO**

**7. India become independent in 1947**

- A. SVOA**
- B. SVA**
- C. SVOO**
- D. SVAC**

**8. She was a friendly person**

- A. SVA**
- B. SVO**
- C. SVOO**
- D. SVC**

**9. Tell me your name**

- A. SVO**
- B. SV**
- C. VOO**
- D. SOC**

**10. The boys are playing foot ball now**

- A. SVOA**
- B. SVC**
- C. SVA**
- D. SVOC**

**11. I smell something burning**

- A. SV**
- B. SVOC**
- C. SVO**
- D. SVOO**

**12. She seems haughty**

- A. SVC**
- B. SVO**
- C. SVA**
- D. SVOA**

**13. The Doctor gave him a shot**

- A. SVOO**
- B. SVOC**
- C. SVA**
- D. SVOA**



**14. All women love jewels and silk saris**

- A. VS**
- B. SVO**
- C. SVAC**
- D. SVA**

**15. My sister speaks English very well**

- A. SOA**
- B. SVO**
- C. SV**
- D. SVOA**

**16. The doctor advised him complete rest**

- A. SVOC**
- B. SVCC**
- C. SVOA**
- D. SVOO**

**17. Her dress appears new**

- A. SVA**
- B. SV**
- C. SVC**
- D. SVO**

**18. I have finished writing a book**

- A. SVOO**
- B. SOC**
- C. SVA**
- D. SVO**

**19. They felt the floor vibrate**

- A. SVOC**
- B. SVOO**
- C. SVAC**
- D. SVO**

**20. I don't know him**

- A. SOA**
- B. SVO**
- C. SVOC**
- D. SVOA**

21. Her dress appears new

- A. SVO
- B. SVC
- C. SV
- D. SVA

22. Students asked the teacher many questions

- A. SVO
- B. SVOO
- C. SVC
- D. SVCO

23. He stole a car recently

- A. SVOA
- B. SV
- C. SVAA
- D. SVA

24. Vasumathi sings every morning

- A. SVOO
- B. SVAA
- C. SVA
- D. SVO

25. Most of the women read novels

- A. SV
- B. SVO
- C. SVC
- D. SVA

*Thank you*

*Department of English*

Government Degree College, Pattikonda  
Kurnool-AP-518380

**A**  
**Certificate course in daily use English sentences**  
**with Telugu meaning**  
**2019-2020**

**Department of English**

- **Parts of Speech**
- **Sentence construction**
- **Tenses**
- **Importance of Vocabulary**





**List of Students Registered for certificate course 2019-20**  
**A Certificate Course in Daily Use English Sentences with Telugu Meaning**

| S.No | Hall Ticket Number | Name of the Students | Signature of the student |
|------|--------------------|----------------------|--------------------------|
| 1    | 18110048004        | K.Anjaneyulu         | Anjaneyulu               |
| 2    | 18110048005        | K.Rajesh             | Rajesh.                  |
| 3    | 18110048006        | M.Sanjeevakarna      | Sanjeevakarna            |
| 4    | 18110048007        | M.Rajasekhar         | Rajasekhar               |
| 5    | 18110048008        | N.Lokesh Naik        | Lokesh Naik              |
| 6    | 18110048010        | P.Venkatesh          | Venkatesh                |
| 7    | 18110048011        | P.Kaseem Vali        | Vali                     |
| 8    | 18110048012        | T.Sreedhar           | Sreedhar                 |
| 9    | 18110048013        | U.Naresh             | Naresh                   |
| 10   | 18110048015        | U.Narendra           | Narendra                 |
| 11   | 18110048014        | U.Shantha Kumar      | Shantha Kumar            |
| 12   | 18110048002        | B.Vijaya Kumar       | Vijaya                   |
| 13   | 18110048001        | B.Mahesh             | Mahesh                   |
| 14   | 18110048009        | N.Upendra Naik       | Upendra                  |
| 15   | 18232048002        | B.Siddaiah           | Siddaiah                 |
| 16   | 18232048003        | B.Mahesh Babu        | Babu                     |
| 17   | 18232048007        | G.Rajkumar           | Rajkumar                 |
| 18   | 18232048008        | H.Raj Kumar          | Kumar                    |
| 19   | 18232048010        | M.Veeranjaneyulu     | M. Veeranjeyulu          |
| 20   | 18232048011        | P.Shaikshavali       | Vali                     |
| 21   | 18232048012        | V.Pavan              | V. Pavan                 |
| 22   | 18232048006        | C.Murali             | C. Murali                |
| 23   | 18232048001        | B.Nagabhaskar        | Nagabhaskar              |
| 24   | 18232048004        | B.Edukondalu         | B. Edukondalu            |
| 25   | 18232048005        | B.Surendra           | B. Surendra              |

|    |             |                   |               |
|----|-------------|-------------------|---------------|
| 26 | 18232048013 | D.Kalyan          | D. Kalyan     |
| 27 | 18232048009 | H.Ramajaneyulu    | Ramajaneyulu  |
| 28 | 18360048001 | B.Rajasekhar      | B. Raj.       |
| 29 | 18360048002 | B.Govindarajulu   | B. Govindar   |
| 30 | 18360048003 | D.Jaffarvali      | D. Jaffarvali |
| 31 | 18360048005 | G.T.Aparna        | G. T. Aparna. |
| 32 | 18360048008 | K.Venkatesh       | K. Venkatesh  |
| 33 | 18360048009 | M.Imam Hussain    | M. Hussain    |
| 34 | 18360048004 | G.Rajasekhar      | G. Rajasekhar |
| 35 | 18360048010 | P.Ramesh          | P. Ramesh     |
| 36 | 18360048012 | S.Sahera Banu     | S. Sahera     |
| 37 | 18360048014 | T.Manikanta Swamy | T. Manikanta  |
| 38 | 18360048015 | U.Ananthalakshmi  | U. Anantha    |
| 39 | 18360048016 | U.Umadevi         | U. Umadevi    |
| 40 | 18360048006 | K.Pavan Kumar     | K. Pavan      |

  
 PRINCIPAL  
 GOVT DEGREE COLLEGE  
 PATTIKONDA-518 380  
 Kurnool Dist A P





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# Government Degree College, Pattikonda

## Department of English

### Final Report of Certificate Course in daily use English sentences with Telugu meaning

Everyday daily use English sentences with Telugu meaning Programme was developed by English department with the help of the Principal for college students. By offering the 40-day Certificate course in communication skills, the English Department has made a humble beginning in its efforts to teach and improve students' practical knowledge of accounting software. The main objective of the course, as decided earlier, was to impart English language skills to the departing students. The requirements of final year students are taken into account when creating the basic framework of the course. The above mentioned course started on 11.10.2018 and ended on 30.12.2018. The feedback from the students was very positive. The seminar hall was full of students waiting for their first presentation.

The Principal, spoke to the students and knowledgeable them of the importance of generation in both the social and enterprise spheres. He additionally praised the paintings of the department of English and complimented Sri.P.Malli babu, HOD, who served as the route's architect. The periods were attractive, academic, and fascinating. The scholars were able to recognize a way to study and understand English with the usage of arms-on sports, movies, handouts, seminars, quizzes, recommended books, and attractive physical games. The pupils' confidence degree becomes raised through brainstorming classes, discussions, organization sporting activities, and impromptu displays. The complete direction took place; the course ran its complete direction of forty five days and additionally took informal inputs from the scholars for making the direction higher next time. Upon the successful completion of the aforementioned Certificate programme, a farewell celebration was organized on the last day of the programme. The event was graced by the college's principal. B. Paul Raj, the HOD, presided over the meeting. The idea for a vote of gratitude came from other members.







**GOVERNMENT DEGREE COLLEGE, PATTIKONDA**

PATTIKONDA, KURNOOL-518380, A.P.

AFFILIATED TO RAYALASEEMA UNIVERSITY (RU) KURNOOL-

RE- ACCREDITED BY NAAC WITH 'B' GRADE

## Department of English

### Certificate of Participant

This is to certify that Mr./Miss./Mrs. \_\_\_\_\_ studying \_\_\_\_\_ successfully

completed 'A Certificate Course in daily use English sentences with Telugu meaning' Organized by Department of English, Government Degree College,

Pattikonda, Kurnool (Dt) held from 16-10-2019 to 15-12-2019.

  
Coordinator

DEPARTMENT OF ENGLISH  
Govt. Degree College,  
PATTIKONDA, Kurnool (Dist).



  
Principal  
DEPARTMENT OF ENGLISH  
Govt. Degree College,  
PATTIKONDA, Kurnool (Dist).



# Department Of Mathematics



## Certificate Course In Business Mathematics (2019-20)

# GOVERNMENT DEGREE COLLEGE, PATTIKONDA

## PROPOSAL FOR THE INTRODUCTION OF CERTIFICATE COURSE IN MATHEMATICS

DATE: 30/09/2019

From  
Dr. K Appala Naidu,  
Lecturer in Mathematics,  
Head of Department  
Govt. Degree College  
Pattikonda,  
Kurnool (Dt).

To  
The Principal,  
Govt. Degree College,  
Pattikonda  
Kurnool (Dt),

Respected Sir,


I would want to suggest that our college hold a certificate programme Business Mathematics the demands of departing students are now more regularly communicated to the Department of mathematics. From the lowest to the highest levels of employment, Business Mathematics has become fruitful to students. The Department of mathematics is excited to start the course taking into account all of these factors.


The details of the program are

- |                                           |                        |
|-------------------------------------------|------------------------|
| 1. Name of the proposed program           | : Business Mathematics |
| 2. Duration and timings of the program    | : 45 Days              |
| 3. Start date of the program              | : 25 October 2019      |
| 4. Course fee                             | : free                 |
| 5. No. of students expected for admission | : 25                   |

Yours faithfully

Head of the Department(Mathematics)

  
PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
Kurnool Dist A P

  
DEPARTMENT OF MATHEMATICS  
Govt. Degree College,  
PATTIKONDA, Kurnool (Dist).

Meeting-3

53  
Date: 20/01/2019

It is resolved to give perfect work to the students so that they may complete their semester vacation.

It is also resolved to give independent questions for 1<sup>st</sup>, 3<sup>rd</sup>, 5<sup>th</sup> semesters students so that they may practise at home for upcoming semester examinations.

It is resolved to start a certificate course in business mathematics from 25/01/2019 to 20/02/2019.

K. Appala Naidu

Lecturer in Mathematics  
GOVT. DEGREE COLLEGE  
PATTIKONDA-585500, Kurnool Dist.

K. Appala Naidu  
DEPARTMENT OF MATHEMATICS  
GOVT. DEGREE COLLEGE,  
PATTIKONDA, Kurnool (Dist).



# Government Degree College, Pattikonda

## Department of Mathematics

Date: 30-09-2019

All the final year degree students are hereby informed that the Department of Mathematics is going to start a certificate course in Business Mathematics the duration of the course is 45 days. Students need not pay any fee for the course. The classes will commence from 25-10-2019. Interested students are required to register their names in Mathematics Department. After successful completion of the course certificate will be provided to the students.

Coordinator

*K. Appala Naidu*  
DEPARTMENT OF MATHEMATICS  
Govt. Degree College,  
PATTIKONDA, Kurnool (Dist).

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# **A Certificate Course in Business Mathematics SYLLABUS**

## **Unit 1: Financial Mathematics**

- Time Value of Money: Future value, present value, annuities, and perpetuities
- Compound Interest: Compound interest formulas, effective interest rate, and applications in investment analysis
- Loan Amortization: Calculation of loan payments, interest, and principal components
- Bonds and Stocks: Bond pricing, yield to maturity, stock valuation methods (dividend discount model, price-earnings ratio)
- Risk and Return: Basic concepts of risk and return, portfolio diversification, risk measures (standard deviation, beta)

## **Unit 2: Data Analysis for Business Decision Making**

- Descriptive Statistics: Measures of central tendency (mean, median, mode), measures of dispersion (variance, standard deviation), graphical representation of data (histograms, bar charts, pie charts)
- Probability: Basic concepts, probability rules, conditional probability, random variables
- Sampling and Estimation: Sampling techniques, sampling distributions, confidence intervals for population mean and proportion
- Hypothesis Testing: Hypothesis formulation, types of errors, significance level, p-values, t-tests and z-tests
- Regression Analysis: Simple linear regression, interpretation of regression coefficients, coefficient of determination

These two units cover essential topics in Business Mathematics, providing a foundation for understanding financial calculations and data analysis in a business context. However, it's important to note that the depth and coverage of each topic may vary depending on the duration and intensity of the course. It's recommended to consult the specific syllabus of the institution or course provider offering the certificate program for more detailed information.

*E. Appala Naidu*  
DEPARTMENT OF MATHEMATICS  
Govt. Degree College,  
PATTIKONDA, Kurnool (D.T.)

# Model question paper (2019-20)

## Certificate Course in Business Mathematics

Time 02:00 Hrs

Maximum Marks: 50

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### Section A: Multiple Choice Questions (2 marks each)

1. Which of the following is not a measure of central tendency? a) Mean b) Median c) Mode d) Standard deviation
2. If the selling price of an item is \$80 and the mark up percentage is 25%, what is the cost price? a) \$60 b) \$64 c) \$70 d) \$75
3. If the interest rate is 8% per annum, what is the compound amount of \$5000 after 2 years, compounded annually? a) \$5400 b) \$5600 c) \$5800 d) \$6000
4. The demand equation for a product is given by  $Q = 1000 - 5P$ , where  $Q$  is the quantity demanded and  $P$  is the price. If the price is set at \$100, what is the quantity demanded? a) 500 b) 600 c) 700 d) 800
5. A company's profit is given by the equation  $P = R - C$ , where  $P$  is the profit,  $R$  is the revenue, and  $C$  is the cost. If the revenue is \$5000 and the cost is \$3000, what is the profit? a) \$2000 b) \$2500 c) \$3000 d) \$3500

### Section B: Short Answer Questions (3 marks each)

1. Solve the equation  $3x + 5 = 20$ .
2. Calculate the present value of \$5000 received after 3 years, assuming a discount rate of 6% per annum.
3. A company's sales increased from \$10,000 in 2019 to \$15,000 in 2020. What was the percentage increase in sales?
4. The profit margin of a product is 20%. If the selling price is \$100, what is the cost price?
5. A company's inventory turnover ratio is 6. If the cost of goods sold is \$500,000, what is the average inventory?

### Section C: Calculation Problems (5 marks each)

1. A company's revenue is given by the equation  $R = 5x + 10y$ , where  $x$  is the quantity of product X sold and  $y$  is the quantity of product Y sold. If  $x = 100$  and  $y = 50$ , calculate the revenue.
2. The monthly expenses of a business are given by the equation  $E = 1000 + 0.2x$ , where  $x$  is the number of units produced. If the number of units produced is 5000, calculate the monthly expenses.
3. A car loan of \$20,000 is taken for 5 years at an annual interest rate of 8%. Calculate the monthly instalment using the equated monthly instalment (EMI) formula.
4. The market price of a stock increased from \$50 to \$60. Calculate the percentage increase in the stock price.
5. A company's total cost is given by the equation  $C = 2x^2 - 5x + 10$ , where  $x$  is the quantity produced. If the quantity produced is 100, calculate the total cost.

*Dr. Appala Naidu*  
DEPARTMENT OF MATHEMATICS  
Govt. Degree College,  
PATTIKONDA, Kurnool (Dist).



## List of students Registered for Business Mathematics 2019-20

| S.No | Register Number | Admission Number | Name of the Students |
|------|-----------------|------------------|----------------------|
| 1    | 173048068       | 5124             | U.Swapna             |
| 2    | 173048057       | 5128             | G.Thimmappa          |
| 3    | 173048069       | 5137             | V.Shirisha           |
| 4    | 173048063       | 5141             | M.Suresh             |
| 5    | 173048033       | 5143             | B.Lakshmanna         |
| 6    | 173048043       | 5153             | M.Thulasi            |
| 7    | 173048048       | 5156             | P.Sandya             |
| 8    | 173048051       | 5160             | T.Pavani             |
| 9    | 173048003       | 5084             | A.Rajeswari          |
| 10   | 173048008       | 5088             | B.Venkatesh          |
| 11   | 173048018       | 5103             | M.Manasa             |
| 12   | 173048029       | 5112             | Shaik Usenvalli      |
| 13   | 173048023       | 5122             | P.Imambi             |
| 14   | 172048020       | 5061             | B.Giri Raju          |
| 15   | 172048001       | 5067             | B.Suvarna            |
| 16   | 172048006       | 5072             | K.Ravi               |
| 17   | 172048012       | 5075             | M.Ramesh             |
| 18   | 172048014       | 5078             | P.Sekhar             |
| 19   | 172048017       | 5083             | V.Janardhan          |
| 20   | 172048010       | 5172             | M.Naveen             |
| 21   | 171048001       | 5011             | A.Ravi Kumar         |
| 22   | 171048004       | 5017             | B.Swathi             |
| 23   | 171048013       | 5023             | G.Radhamma           |
| 24   | 171048024       | 5032             | M.Mareppa            |
| 25   | 171048031       | 5039             | P.Ravi Kumar         |

*K. Appala Naidu*

DEPARTMENT OF MATHEMATICS  
Govt. Degree College,  
PATTIKONDA, Kurnool (Dist).



# Government Degree College

Pattikonda, Kurnool-518380, A.P.  
Affiliated to Rayalaseema University (RU) Kurnool  
Re-Accredited By NAAC with 'B' Grade

## Department of Mathematics

### Certificate Of Participation

This is to certify that **Mr./Miss./Mrs.** \_\_\_\_\_ studying

\_\_\_\_\_ successfully completed 'A Certificate Course in Business Mathematics' Organized by

Department of Mathematics, Government Degree College, Pattikonda, Kurnool(Dt) held from 25-10-2019 to 20-12-2019.

**Coordinator**

**Principal**

All New

# REGISTER

Of

OFFICE  
ATTENDANCE

2019-20

Name

Department of  
mathematics  
certificate course

Srinivasa®





### Attendance

| Sr No. | Name            | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|--------|-----------------|---|---|---|---|---|---|---|---|
| 1      | V. Sudama       | x | x | x | x | x | x | a |   |
| 2      | M. Thinnappa    | a | x | x | a | x | x |   |   |
| 3      | V. Shalika      | x | x | x | x | x | x |   |   |
| 4      | M. Guresh       | x | x | x | x | x | x | a |   |
| 5      | B. Lakshmana    | x | x | x | x | x | x | y |   |
| 6      | K. Thapsi       | x | x | x | x | x | x | a |   |
| 7      | D. Sandhya      | x | x | a | x | x | x | x |   |
| 8      | T. Pooni        | x | x | x | x | x | x | a |   |
| 9      | A. Rajeswari    | x | a | x | x | x | x | x | 3 |
| 10     | E. Venkatesh    | x | x | x | x | x | a |   | 2 |
| 11     | M. Manasa       | x | x | x | x | x | a |   | 1 |
| 12     | Shah Usmay      | x | x | x | x | x | x | x | 5 |
| 13     | D. Inambi       | x | x | x | x | x | a |   | 4 |
| 14     | B. Unni Raju    | x | x | x | x | x | a |   | 3 |
| 15     | B. Suvashna     | x | x | x | x | x | a |   | 2 |
| 16     | K. Ravi         | x | x | a | x | x | x |   | 1 |
| 17     | M. Ramesh       | x | x | x | x | x | a |   |   |
| 18     | P. Sekhar       | x | x | x | x | x | a |   |   |
| 19     | V. Jaganathan   | x | x | x | x | x | a |   |   |
| 20     | M. Naveen       | x | x | x | x | x | a |   |   |
| 21     | A. Ravi Kumar   | x | x | x | x | x | x |   |   |
| 22     | G. Swathi       | x | x | x | x | a |   |   |   |
| 23     | L. Radhakrishna | x | x | x | x | x | a |   |   |
| 24     | K. Maveppa      | x | x | x | x | x | x |   |   |
| 25     | D. Ravi Kumar   | x | x | x | x | x | a |   |   |

## Register

NOVEMBER

2019

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 | 101 | 102 | 103 | 104 | 105 | 106 | 107 | 108 | 109 | 110 | 111 | 112 | 113 | 114 | 115 | 116 | 117 | 118 | 119 | 120 | 121 | 122 | 123 | 124 | 125 | 126 | 127 | 128 | 129 | 130 | 131 | 132 | 133 | 134 | 135 | 136 | 137 | 138 | 139 | 140 | 141 | 142 | 143 | 144 | 145 | 146 | 147 | 148 | 149 | 150 | 151 | 152 | 153 | 154 | 155 | 156 | 157 | 158 | 159 | 160 | 161 | 162 | 163 | 164 | 165 | 166 | 167 | 168 | 169 | 170 | 171 | 172 | 173 | 174 | 175 | 176 | 177 | 178 | 179 | 180 | 181 | 182 | 183 | 184 | 185 | 186 | 187 | 188 | 189 | 190 | 191 | 192 | 193 | 194 | 195 | 196 | 197 | 198 | 199 | 200 | 201 | 202 | 203 | 204 | 205 | 206 | 207 | 208 | 209 | 210 | 211 | 212 | 213 | 214 | 215 | 216 | 217 | 218 | 219 | 220 | 221 | 222 | 223 | 224 | 225 | 226 | 227 | 228 | 229 | 230 | 231 | 232 | 233 | 234 | 235 | 236 | 237 | 238 | 239 | 240 | 241 | 242 | 243 | 244 | 245 | 246 | 247 | 248 | 249 | 250 | 251 | 252 | 253 | 254 | 255 | 256 | 257 | 258 | 259 | 260 | 261 | 262 | 263 | 264 | 265 | 266 | 267 | 268 | 269 | 270 | 271 | 272 | 273 | 274 | 275 | 276 | 277 | 278 | 279 | 280 | 281 | 282 | 283 | 284 | 285 | 286 | 287 | 288 | 289 | 290 | 291 | 292 | 293 | 294 | 295 | 296 | 297 | 298 | 299 | 300 | 301 | 302 | 303 | 304 | 305 | 306 | 307 | 308 | 309 | 310 | 311 | 312 | 313 | 314 | 315 | 316 | 317 | 318 | 319 | 320 | 321 | 322 | 323 | 324 | 325 | 326 | 327 | 328 | 329 | 330 | 331 | 332 | 333 | 334 | 335 | 336 | 337 | 338 | 339 | 340 | 341 | 342 | 343 | 344 | 345 | 346 | 347 | 348 | 349 | 350 | 351 | 352 | 353 | 354 | 355 | 356 | 357 | 358 | 359 | 360 | 361 | 362 | 363 | 364 | 365 | 366 | 367 | 368 | 369 | 370 | 371 | 372 | 373 | 374 | 375 | 376 | 377 | 378 | 379 | 380 | 381 | 382 | 383 | 384 | 385 | 386 | 387 | 388 | 389 | 390 | 391 | 392 | 393 | 394 | 395 | 396 | 397 | 398 | 399 | 400 | 401 | 402 | 403 | 404 | 405 | 406 | 407 | 408 | 409 | 410 | 411 | 412 | 413 | 414 | 415 | 416 | 417 | 418 | 419 | 420 | 421 | 422 | 423 | 424 | 425 | 426 | 427 | 428 | 429 | 430 | 431 | 432 | 433 | 434 | 435 | 436 | 437 | 438 | 439 | 440 | 441 | 442 | 443 | 444 | 445 | 446 | 447 | 448 | 449 | 450 | 451 | 452 | 453 | 454 | 455 | 456 | 457 | 458 | 459 | 460 | 461 | 462 | 463 | 464 | 465 | 466 | 467 | 468 | 469 | 470 | 471 | 472 | 473 | 474 | 475 | 476 | 477 | 478 | 479 | 480 | 481 | 482 | 483 | 484 | 485 | 486 | 487 | 488 | 489 | 490 | 491 | 492 | 493 | 494 | 495 | 496 | 497 | 498 | 499 | 500 | 501 | 502 | 503 | 504 | 505 | 506 | 507 | 508 | 509 | 510 | 511 | 512 | 513 | 514 | 515 | 516 | 517 | 518 | 519 | 520 | 521 | 522 | 523 | 524 | 525 | 526 | 527 | 528 | 529 | 530 | 531 | 532 | 533 | 534 | 535 | 536 | 537 | 538 | 539 | 540 | 541 | 542 | 543 | 544 | 545 | 546 | 547 | 548 | 549 | 550 | 551 | 552 | 553 | 554 | 555 | 556 | 557 | 558 | 559 | 560 | 561 | 562 | 563 | 564 | 565 | 566 | 567 | 568 | 569 | 570 | 571 | 572 | 573 | 574 | 575 | 576 | 577 | 578 | 579 | 580 | 581 | 582 | 583 | 584 | 585 | 586 | 587 | 588 | 589 | 590 | 591 | 592 | 593 | 594 | 595 | 596 | 597 | 598 | 599 | 600 | 601 | 602 | 603 | 604 | 605 | 606 | 607 | 608 | 609 | 610 | 611 | 612 | 613 | 614 | 615 | 616 | 617 | 618 | 619 | 620 | 621 | 622 | 623 | 624 | 625 | 626 | 627 | 628 | 629 | 630 | 631 | 632 | 633 | 634 | 635 | 636 | 637 | 638 | 639 | 640 | 641 | 642 | 643 | 644 | 645 | 646 | 647 | 648 | 649 | 650 | 651 | 652 | 653 | 654 | 655 | 656 | 657 | 658 | 659 | 660 | 661 | 662 | 663 | 664 | 665 | 666 | 667 | 668 | 669 | 670 | 671 | 672 | 673 | 674 | 675 | 676 | 677 | 678 | 679 | 680 | 681 | 682 | 683 | 684 | 685 | 686 | 687 | 688 | 689 | 690 | 691 | 692 | 693 | 694 | 695 | 696 | 697 | 698 | 699 | 700 | 701 | 702 | 703 | 704 | 705 | 706 | 707 | 708 | 709 | 710 | 711 | 712 | 713 | 714 | 715 | 716 | 717 | 718 | 719 | 720 | 721 | 722 | 723 | 724 | 725 | 726 | 727 | 728 | 729 | 730 | 731 | 732 | 733 | 734 | 735 | 736 | 737 | 738 | 739 | 740 | 741 | 742 | 743 | 744 | 745 | 746 | 747 | 748 | 749 | 750 | 751 | 752 | 753 | 754 | 755 | 756 | 757 | 758 | 759 | 760 | 761 | 762 | 763 | 764 | 765 | 766 | 767 | 768 | 769 | 770 | 771 | 772 | 773 | 774 | 775 | 776 | 777 | 778 | 779 | 780 | 781 | 782 | 783 | 784 | 785 | 786 | 787 | 788 | 789 | 790 | 791 | 792 | 793 | 794 | 795 | 796 | 797 | 798 | 799 | 800 | 801 | 802 | 803 | 804 | 805 | 806 | 807 | 808 | 809 | 810 | 811 | 812 | 813 | 814 | 815 | 816 | 817 | 818 | 819 | 820 | 821 | 822 | 823 | 824 | 825 | 826 | 827 | 828 | 829 | 830 | 831 | 832 | 833 | 834 | 835 | 836 | 837 | 838 | 839 | 840 | 841 | 842 | 843 | 844 | 845 | 846 | 847 | 848 | 849 | 850 | 851 | 852 | 853 | 854 | 855 | 856 | 857 | 858 | 859 | 860 | 861 | 862 | 863 | 864 | 865 | 866 | 867 | 868 | 869 | 870 | 871 | 872 | 873 | 874 | 875 | 876 | 877 | 878 | 879 | 880 | 881 | 882 | 883 | 884 | 885 | 886 | 887 | 888 | 889 | 890 | 891 | 892 | 893 | 894 | 895 | 896 | 897 | 898 | 899 | 900 | 901 | 902 | 903 | 904 | 905 | 906 | 907 | 908 | 909 | 910 | 911 | 912 | 913 | 914 | 915 | 916 | 917 | 918 | 919 | 920 | 921 | 922 | 923 | 924 | 925 | 926 | 927 | 928 | 929 | 930 | 931 | 932 | 933 | 934 | 935 | 936 | 937 | 938 | 939 | 940 | 941 | 942 | 943 | 944 | 945 | 946 | 947 | 948 | 949 | 950 | 951 | 952 | 953 | 954 | 955 | 956 | 957 | 958 | 959 | 960 | 961 | 962 | 963 | 964 | 965 | 966 | 967 | 968 | 969 | 970 | 971 | 972 | 973 | 974 | 975 | 976 | 977 | 978 | 979 | 980 | 981 | 982 | 983 | 984 | 985 | 986 | 987 | 988 | 989 | 990 | 991 | 992 | 993 | 994 | 995 | 996 | 997 | 998 | 999 | 1000 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-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## Attendance

## Register

Month: December

Year: 2019

| S. No. | Name            | Days | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|--------|-----------------|------|---|---|---|---|---|---|---|---|---|----|
| 1      | L. Suvatha      |      |   | X | X | X | X |   |   | X | X |    |
| 2      | G. ThimmaPPa    |      |   | X | X | X | X |   |   | X | X |    |
| 3      | V. Shridisha    |      |   | X | X | X | X |   |   | X | X |    |
| 4      | M. Suresh       |      |   | X | X | X | X |   |   | X | X |    |
| 5      | B. Lakshmana    |      |   | X | X | X | X |   |   | X | X |    |
| 6      | M. Thulasi      |      |   | X | X | X | X |   |   | X | X |    |
| 7      | P. Sanyal       |      |   | X | X | X | X |   |   | X | X |    |
| 8      | T. Pavan        |      |   | X | X | X | X |   |   | X | X |    |
| 9      | A. Rajeswari    |      |   | X | X | X | X |   |   | X | X |    |
| 10     | B. Venkatesh    |      |   | X | X | X | X |   |   | X | X |    |
| 11     | M. Manasa       |      |   | X | X | X | X |   |   | X | X |    |
| 12     | Shaili Sengupta |      |   | X | X | X | X |   |   | X | X |    |
| 13     | P. Imambi       |      |   | X | X | X | X |   |   | X | X |    |
| 14     | B. Laxmi Raju   |      |   | X | X | X | X |   |   | X | X |    |
| 15     | B. Suvatha      |      |   | X | X | X | X |   |   | X | X |    |
| 16     | K. Ravi         |      |   | X | X | X | X |   |   | X | X |    |
| 17     | M. Ramesh       |      |   | X | X | X | X |   |   | X | X |    |
| 18     | P. Selvam       |      |   | X | X | X | X |   |   | X | X |    |
| 19     | V. Jagadeesan   |      |   | X | X | X | X |   |   | X | X |    |
| 20     | M. Navin        |      |   | X | X | X | X |   |   | X | X |    |
| 21     | A. Tevi Kumar   |      |   | X | X | X | X |   |   | X | X |    |
| 22     | B. Suvathi      |      |   | X | X | X | X |   |   | X | X |    |
| 23     | G. Radhamma     |      |   | X | X | X | X |   |   | X | X |    |
| 24     | M. Maseppa      |      |   | X | X | X | X |   |   | X | X |    |
| 25     | P. Ravi Kumar   |      |   | X | X | X | X |   |   | X | X |    |

| S. No. | Name            | Days | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
|--------|-----------------|------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1      | L. Suvatha      |      | X  | X  | X  | X  |    | X  | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 2      | G. ThimmaPPa    |      | X  | X  | X  | X  |    | X  | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 3      | V. Shridisha    |      | X  | X  | X  | X  |    | X  | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 4      | M. Suresh       |      | X  | X  | X  | X  |    | X  | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 5      | B. Lakshmana    |      | X  | X  | X  | X  |    | X  | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 6      | M. Thulasi      |      | X  | X  | X  | X  |    | X  | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 7      | P. Sanyal       |      | X  | X  | X  | X  |    | X  | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 8      | T. Pavan        |      | X  | X  | X  | X  |    | X  | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 9      | A. Rajeswari    |      | X  | X  | X  | X  |    | X  | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 10     | B. Venkatesh    |      | X  | X  | X  | X  |    | X  | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 11     | M. Manasa       |      | X  | X  | X  | X  |    | X  | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 12     | Shaili Sengupta |      | X  | X  | X  | X  |    | X  | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 13     | P. Imambi       |      | X  | X  | X  | X  |    | X  | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 14     | B. Laxmi Raju   |      | X  | X  | X  | X  |    | X  | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 15     | B. Suvatha      |      | X  | X  | X  | X  |    | X  | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 16     | K. Ravi         |      | X  | X  | X  | X  |    | X  | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 17     | M. Ramesh       |      | X  | X  | X  | X  |    | X  | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 18     | P. Selvam       |      | X  | X  | X  | X  |    | X  | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 19     | V. Jagadeesan   |      | X  | X  | X  | X  |    | X  | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 20     | M. Navin        |      | X  | X  | X  | X  |    | X  | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 21     | A. Tevi Kumar   |      | X  | X  | X  | X  |    | X  | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 22     | B. Suvathi      |      | X  | X  | X  | X  |    | X  | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 23     | G. Radhamma     |      | X  | X  | X  | X  |    | X  | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 24     | M. Maseppa      |      | X  | X  | X  | X  |    | X  | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 25     | P. Ravi Kumar   |      | X  | X  | X  | X  |    | X  | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |



# Government Degree College, Pattikonda

## Department of Mathematics


### Final Report of Certification Course in Critical Thinking & Problem Solving


Everyday Mathematics was developed by the Department of Mathematics with the help of the Principal, for the College's students. By offering a certificate course in Business Mathematics for 45 days, the Department of Mathematics has made a modest start in its effort to teach and enhance the students with practical knowledge. The primary goal of the course, as previously decided, was to impart Mathematics knowledge to the departing pupils. The demands of the final year students are taken into consideration when creating the course's fundamental framework. The aforementioned course began on October 25, 2019, and ended on December 20, 2019. The pupils' response was very positive. The Seminar Hall was crowded with eager students for its first presentation.

The principal, Dr. B Purusotham Reddy, spoke to the students and informed them of the significance of technology in both the daily life and Competitive life. He also praised the work of the department of Mathematics and complimented Dr. K Appala Naidu HOD, who served as the course's architect. The course had a high turnout of students. Regular attendance for the classes, which ran from 05.00 PM to 6:30 PM, was 25 students.

The sessions were engaging, educational, and fascinating. The students were able to comprehend how to learn and understand Mathematics with the use of hands-on activities, seminars, quizzes, suggested books, and engaging exercises. The pupils' confidence level was raised via brainstorming sessions, discussions, group exercises, and impromptu presentations. The complete course took place; The Course ran its entire course of 45 days and also took informal inputs from the students for making the course better next time.

After the successful completion of the said Certificate course, a valedictory function was held on 20<sup>th</sup> December 2019. The Principal of the College graced the occasion. The meeting was presided over by the HOD, Dr. K Appala Naidu. Vote of thanks was proposed by other members.

  
PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
Kurnool Dist. A.P.

  
DEPARTMENT OF MATHEMATICS  
Govt. Degree College,  
PATTIKONDA, Kurnool (Dist).

**Government Degree College, Pattikonda**

**Pattikonda, Kurnool-518380, A.P.**

*Affiliated to Rayalaseema University Kurnool-*

*Re-Accredited By NAAC with 'B' Grade*

**Department of Political Science**

**A**

**Certificate Course in  
Introduction to Political Science  
2019-2020**

# GOVERNMENT DEGREE COLLEGE, PATTIKONDA

## Department of Political Science

### Minutes of the Department meeting for the conduct of Certificate Course in Introduction to Political Science

Date: 20-09-2020

The Department of Political Science a leader in meeting student needs has decided to increase the number of opportunities available to College graduates. Due to the growing job market, which is especially evident in the globalized sector, there is a significant need for recent graduates with political knowledge. The Department of Political Science has taken the initiative to offer a Certificate Course in public Communication Skills with the simple goal of giving graduating students the necessary practical and public speaking skills.

The Department of Political Science met with its members on the College's property on 20-09-2020 the Department unanimously decided to set up the Certificate Course in communication skills for degree seeking students at our College, with the lecturers serving as course instructors and the Department Head acting as chairman. The conference was presided over by department head K.V.NARASIAH the Certificate Course would last 45 days as promised.

1. Sri K.V.Narasaiah, Head of the Department :

  
Principal  
GOVT DEGREE COLLEGE  
PATTIKONDA-518380  
Kurnool Dist. A.P.



# Government Degree College, Pattikonda

Proposal for the Introduction of Certificate

Course in

## 19-20 Introductions to Political Science

Date: 15-09-2020

From  
Sri. K.V.Narasaiah,  
Lecturer in Political Science,  
Head of Department  
Govt. Degree College  
Pattikonda, Kurnool (Dt).

To  
The Principal,  
Govt. Degree College, Pattikonda  
Kurnool (Dt).

Respected Sir,

The Department of political science will hold a certificate course in Introduction to Political Science. The course is in response to the demand of departing students. The Department of Political Science is enthusiastic about starting the course, considering all these factors. Details of the program will be provided.

1. Name of the proposed program : A Certificate course in Introduction to Political Science
2. Duration and timings of the program : 45 days
3. Start date of the program : 26-09-2020 to 11-11-2020
4. Course fee : free
- 5.No,of students expected for admission: 15

Yours faithfully

Head of Department Political Science

**Government Degree College, Pattikonda.**

**Department of Political Science**

**Date: 06-09-2020**

**Circular**

Political Science Department is starting a certificate course in Introduction to Political Science for the duration of the course, which will last 45 days. There is no fee required for the course, and classes will commence on 26-09-2020. If you're interested in enrolling, please register your name with the department soon! After successfully completing the course, you'll receive a certificate.

**Coordinator**

**Copy to the Library Notice Board**

**Copy to the Notice Board**

**Copy for Circulation among the Students**

## List of Students Registered for Introduction to Political Science 2019-20

| S.No | Name of the Students | Remarks |
|------|----------------------|---------|
| 1    | A.Ravi Kumar         |         |
| 2    | B.K.Suresh           |         |
| 3    | B.Mohan              |         |
| 4    | B.Prudhviraj         |         |
| 5    | B.Ultheppa           |         |
| 6    | B.Govindu            |         |
| 7    | B.Swathi             |         |
| 8    | C.Ashok              |         |
| 9    | C.Pawan Kumar        |         |
| 10   | G.Muni Swami         |         |
| 11   | G.Chennakesavulu     |         |
| 12   | G.Venkata Ramudu     |         |
| 13   | G.Radhamma           |         |
| 14   | H.Dharmendra         |         |
| 15   | K.Karthik            |         |







## Government Degree College, Pattikonda

Pattikonda, Kurnool-518380, A.P.

Affiliated to Rayalaseema University (RU) Kurnool-

Re- Accredited By NAAC with 'B' Grade

## Department of Political Science

### Certificate of Participant

This is to certify that Mr./Miss./Mrs. A.RAVI KUMAR studying III B.A success fully completed 'A Certificate Course in Introduction to Political Science 'Organized by Department of Political Science, Government Degree College, Pattikonda, Kurnool (Dt) held from 26-09-2020 to 11-11-2020

Coordinator

Principal

**Government Degree College, Pattikonda**

**A**

**Certificate Course in**

**Introduction to Political Science**

**Syllabus:**

**UNIT-01- Introduction to Political Science**

➤ **UNIT-02- State**



# **Model Question Paper (2019-20)**

## **A Certificate Course in Introduction to Political Science**

**Time 01:30**

**Maximum Marks: 50**

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**Answer the Following questions:**

- . Define and explain scope of political science**
- . Explain traditional approaches**
- . Discuss features of state**
- . Explain divine origin right theory**
- . Importance of political science**

# Government Degree College, Pattikonda

Department of Political Science

Final Report of Certificate Course

in

## INTRODUCTION TO POLITICAL SCIENCE

This Programme was developed by political science department with the help of the Principal for college students. By offering the 45-day Certificate course in introduction to political science

, the political science Department has made a humble beginning in its efforts to teach and improve students' practical knowledge. The requirements of final year students are taken into account when creating the basic framework of the course. The above mentioned course started on 26-09-2020 and ended on 11-11-20. The feedback from the students was very positive. The seminar hall was full of students waiting for their first presentation.

The Principal, spoke to the students and knowledgeable them of the importance of generation in both the social and enterprise spheres. He additionally praised the paintings of the department of political science and complimented Sri.K.V.NARASIAH, HOD, who served as the route's architect. The periods were attractive, academic and fascinating. The pupils' confidence degree becomes raised through brainstorming classes, discussions, organization sporting activities, and impromptu displays. The complete direction took place; the course ran its complete direction of forty five days and additionally took informal inputs from the scholars for making the direction higher next time. Upon the successful completion of the aforementioned Certificate programme, a farewell celebration was organized on the last day of the programme. The event was graced by the college's principal

# డిగ్రీ కళాశాల, పత్తికొండ

తెలుగు శాఖ 2019-20

తెలుగు చందస్సు సర్టిఫికేట్ కోర్స్ నిర్వహించాలని తెలుగు శాఖ  
తీర్మానం.

తేది:28/08/2019

తెలుగు శాఖ ఆధ్వర్యం లో డిగ్రీ బిఏ, బీకాం, బియస్సీ విద్యార్థులకు సర్టిఫికేట్ కోర్స్ నిర్వహించాలని  
తీర్మానించాము. అందులో భాగంగా చందస్సుకు సంబంధించి గురువు లఘువుల నిర్ధారణ యతి ప్రాస  
పద్యాలు మొదలగు అంశాలకు సంబంధించి సర్టిఫికేట్ కోర్స్ ను నిర్వహించాలని తీర్మానించుకున్నాము.

28-08-2019 తేదిన తెలుగు శాఖ ఆధ్వర్యం లో సమావేశం జరిగింది. ఈ సమావేశానికి  
అధ్యక్షులు గా అధ్యాపకులు కె.రామాంజనేయులు పాల్గొన్నారు. దీనిని కళాశాల ప్రెన్సిపాల్ గారి  
ఆదేశాల మేరకు 30 రోజుల కాలవ్యవధిలో సర్టిఫికేట్ కోర్స్ నిర్వహించాలని తీర్మానించుకున్నాము.

కె.రామాంజనేయులు

కె.రామాంజనేయులు (తెలుగు శాఖాధ్యక్షులు)

Lecturer in Telugu  
Govt. Degree College  
PATTIKONDA, Kurnool Dist.

ప్రిన్సిపాల్

GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
Kurnool Dist A P



## ప్రభుత్వ డిగ్రీ కళాశాల, పత్తికొండ 19-20

తెలుగు కావ

ప్రభుత్వ డిగ్రీ కళాశాల పత్తికొండ

విషయం: తెలుగు చందస్సు సర్టిఫికేట్ కోర్స్ ప్రారంభించడానికి అనుమతి కోరకు.

ప్రభుత్వ డిగ్రీ కళాశాల పత్తికొండ తెలుగు కావ అధ్యయనంలో డిగ్రీ మూడవ సంవత్సరం విద్యార్థులకు తెలుగు చందస్సు సర్టిఫికేట్ కోర్స్ నిర్వహించాలని తెలుగు కావ తీర్మానించింది. నేటి సమాఖ్యలో విద్యార్థులు తెలుగు భాష పట్ల ఆసక్తి చూపడానికి సులభంగా వ్యాకరణం నేర్చుకోవడానికి ఈ సర్టిఫికేట్ కోర్స్ నిర్వహించడానికి అనుమతించగలరు.

### కోర్సు వివరాలు

కోర్స్ పేరు: తెలుగు చందస్సు

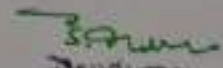
కోర్సు కాల వ్యవధి సమయం : 30 రోజులు సా. 5 నుండి 6 గంటల వరకు  
03- 22-10

ప్రారంభ తేదీ : 26-09-2019 - 03-03-2019

కోర్స్ ఫీజు : ఏమీ లేదు

మొత్తం విద్యార్థుల సంఖ్య : 40

  
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Kurnool Dist A P

  
తెలుగు కావ  
G. Lecturer in Telu  
PATTIKONDA Govt. Degree Coll Dist  
PATTIKONDA, Kurnool Dist

తెలుగు కాఖ

తెలుగు ఛందస్సు 2019-20

సర్కులర్

29-08-2019

కాఖలో మూడవ సంచికీయం తయారుతున్న విద్యార్థులు తయారీకి తెలుగు కాఖ  
తయారుచేయవలసిన విధంగా తెలుగు కాఖ తెలుగు భాషలో అనే సర్టిఫికేట్ కోర్సులు పై గోతుల వైపున  
పూర్వం ఉన్నవిగా లేకుండా మార్చబడ్డాయి. కోర్సు 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 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613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 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1011, 1012, 1013, 1014, 1015, 1016, 1017, 1018, 1019, 1020, 1021, 1022, 1023, 1024, 1025, 1026, 1027, 1028, 1029, 1030, 1031, 1032, 1033, 1034, 1035, 1036, 1037, 1038, 1039, 1040, 1041, 1042, 1043, 1044, 1045, 1046, 1047, 1048, 1049, 1050, 1051, 1052, 1053, 1054, 1055, 1056, 1057, 1058, 1059, 1060, 1061, 1062, 1063, 1064, 1065, 1066, 1067, 1068, 1069, 1070, 1071, 1072, 1073, 1074, 1075, 1076, 1077, 1078, 1079, 1080, 1081, 1082, 1083, 1084, 1085, 1086, 1087, 1088, 1089, 1090, 1091, 1092, 1093, 1094, 1095, 1096, 1097, 1098, 1099, 1100, 1101, 1102, 1103, 1104, 1105, 1106, 1107, 1108, 1109, 1110, 1111, 1112, 1113, 1114, 1115, 1116, 1117, 1118, 1119, 1120, 1121, 1122, 1123, 1124, 1125, 1126, 1127, 1128, 1129, 1130, 1131, 1132, 1133, 1134, 1135, 1136, 1137, 1138, 1139, 1140, 1141, 1142, 1143, 1144, 1145, 1146, 1147, 1148, 1149, 1150, 1151, 1152, 1153, 1154, 1155, 1156, 1157, 1158, 1159, 1160, 1161, 1162, 1163, 1164, 1165, 1166, 1167, 1168, 1169, 1170, 1171, 1172, 1173, 1174, 1175, 1176, 1177, 1178, 1179, 1180, 1181, 1182, 1183, 1184, 1185, 1186, 1187, 1188, 1189, 1190, 1191, 1192, 1193, 1194, 1195, 1196, 1197, 1198, 1199, 1200, 1201, 1202, 1203, 1204, 1205, 1206, 1207, 1208, 1209, 1210, 1211, 1212, 1213, 1214, 1215, 1216, 1217, 1218, 1219, 1220, 1221, 1222, 1223, 1224, 1225, 1226, 1227, 1228, 1229, 1230, 1231, 1232, 1233, 1234, 1235, 1236, 1237, 1238, 1239, 1240, 1241, 1242, 1243, 1244, 1245, 1246, 1247, 1248, 1249, 1250, 1251, 1252, 1253, 1254, 1255, 1256, 1257, 1258, 1259, 1260, 1261, 1262, 1263, 1264, 1265, 1266, 1267, 1268, 1269, 1270, 1271, 1272, 1273, 1274, 1275, 1276, 1277, 1278, 1279, 1280, 1281, 1282, 1283, 1284, 1285, 1286, 1287, 1288, 1289, 1290, 1291, 1292, 1293, 1294, 1295, 1296, 1297, 1298, 1299, 1300, 1301, 1302, 1303, 1304, 1305, 1306, 1307, 1308, 1309, 1310, 1311, 1312, 1313, 1314, 1315, 1316, 1317, 1318, 1319, 1320, 1321, 1322, 1323, 1324, 1325, 1326, 1327, 1328, 1329, 1330, 1331, 1332, 1333, 1334, 1335, 1336, 1337, 1338, 1339, 1340, 1341, 1342, 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1509, 1510, 1511, 1512, 1513, 1514, 1515, 1516, 1517, 1518, 1519, 1520, 1521, 1522, 1523, 1524, 1525, 1526, 1527, 1528, 1529, 1530, 1531, 1532, 1533, 1534, 1535, 1536, 1537, 1538, 1539, 1540, 1541, 1542, 1543, 1544, 1545, 1546, 1547, 1548, 1549, 1550, 1551, 1552, 1553, 1554, 1555, 1556, 1557, 1558, 1559, 1560, 1561, 1562, 1563, 1564, 1565, 1566, 1567, 1568, 1569, 1570, 1571, 1572, 1573, 1574, 1575, 1576, 1577, 1578, 1579, 1580, 1581, 1582, 1583, 1584, 1585, 1586, 1587, 1588, 1589, 1590, 1591, 1592, 1593, 1594, 1595, 1596, 1597, 1598, 1599, 1600, 1601, 1602, 1603, 1604, 1605, 1606, 1607, 1608, 1609, 1610, 1611, 1612, 1613, 1614, 1615, 1616, 1617, 1618, 1619, 1620, 1621, 1622, 1623, 1624, 1625, 1626, 1627, 1628, 1629, 1630, 1631, 1632, 1633, 1634, 1635, 1636, 1637, 1638, 1639, 1640, 1641, 1642, 1643, 1644, 1645, 1646, 1647, 1648, 1649, 1650, 1651, 1652, 1653, 1654, 1655, 1656, 1657, 1658, 1659, 1660, 1661, 1662, 1663, 1664, 1665, 1666, 1667, 1668, 1669, 1670, 1671, 1672, 1673, 1674, 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2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 21

# ప్రభుత్వ డిగ్రీ కళాశాల, పత్తికొండ

తెలుగు శాఖ

## తెలుగు చందస్సు సర్టిఫికేట్ కోర్స్ తుది నివేదిక

తెలుగు శాఖ ఆద్యర్థంలో దివి, దిశాం, చీనిస్సీ విద్యార్థులకు తెలుగు టైపింగ్ సర్టిఫికేట్ కోర్సు, 2010 రోజుల కాలవ్యాపారంలో పాల్గొంటున్న కళాశాల ప్రిన్సిపల్ గారి ఆద్యర్థంలో తీర్మానం జరిగింది. డిగ్రీ ప్రవేశియర్ విద్యార్థులు కోర్స్ అయిపోయిన తర్వాత వారికి ఉపయోగపడే విధంగా గురు లఘువులను గుర్తించుట, సులభ గణన పద్ధతి, పద్యాలను గుర్తించుట, భాషా నైపుణ్యాలను నేర్పించడం ఈ కోర్సు యొక్క ప్రధాన ఉద్దేశం.

సర్టిఫికేట్ కోర్స్ ప్రారంభ సమావేశంలో విద్యార్థులు చాలా ఉత్సాహంగా పాల్గొన్నారు. ప్రిన్సిపల్ గారు విద్యార్థులను ఉద్దేశిస్తూ ఈ సర్టిఫికేట్ కోర్స్ మీకు చాలా ఉపయోగపడుతుంది కాబట్టి విద్యార్థులు ఈ అవకాశాన్ని ఉపయోగించుకుని ఆయా రంగాల్లో ముందుకొంటున్న విద్యార్థులకు సూచించారు. గురు లఘువులను గుర్తించుట, సులభ గణన పద్ధతి, పద్యాలను గుర్తించుట, భాషా నైపుణ్యాలను నేర్పించడం జరిగింది.

మొత్తం 20 రోజుల పాటు కోర్సు కొనసాగింది. కోర్స్ పూర్తయిన తర్వాత విద్యార్థులకు ముగింపు సమావేశంలో ప్రిన్సిపల్ గారి చిరుల మీదుగా సర్టిఫికేట్లు టాకీ చేసి కోర్సును విజయవంతంగా ముగింపాము.

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Teacher in Charge  
Govt. Degree College  
PATTIKONDA, Kurnool



# ప్రభుత్వ డిగ్రీ కళాశాల, పత్తికొండ

తెలుగు శాఖ

సర్టిఫికేట్ కోర్స్: తెలుగు భండస్సు

పాఠ్య ప్రణాళిక:

- తెలుగు భండస్సు - విశిష్టత
- తెలుగు భండస్సు - గణాంక - రికార్డు
- తెలుగు భండస్సు - వృత్తి - జాతి - ఉప జాతి పద్యాలు



## Government Degree College, Pattikonda

Pattikonda, Kurnool-518380, A.P.

Affiliated to Rajalaxsma University (RZU) Kurnool-

Re-Accredited by NAAC with 'B' Grade

# Department of Telugu

## Certificate of Participant

This is to certify that Mr./Miss./Mrs. \_\_\_\_\_ studying \_\_\_\_\_ success fully

completed 'A' Certificate Course in తెలుగుభాషాన్ని 'Organized by Department of Telugu, Government Degree College, Pattikonda, Kurnool (Dt) held from

03-09-2019 to 05-09-2019.

*3.07.20*  
**Coordinator**  
GOVT DEGREE COLLEGE  
PATTIKONDA, Kurnool Dist

*h*  
**Principal**  
GOVT DEGREE COLLEGE  
PATTIKONDA-518380  
Kurnool Dist A.P


**List of Students Registered for certificate course 2019-20**  
**A Certificate Course in Telugu Chandhassu**

| S.No | Hall Ticket Number | Name of the Students | Signature of the student |
|------|--------------------|----------------------|--------------------------|
| 1    | 18110048004        | K.Anjaneyulu         | K. Anjaneyulu.           |
| 2    | 18110048005        | K.Rajesh             | K. Rajesh.               |
| 3    | 18110048006        | M.Sanjevakarna       | M. Sanjevakarna.         |
| 4    | 18110048007        | M.Rajasekhar         | M. Rajasekhar.           |
| 5    | 18110048008        | N.LokeshNaik         | N. LokeshNaik.           |
| 6    | 18110048010        | P.Venkatesh          | P. Venkatesh.            |
| 7    | 18110048011        | P.KaseemVall         | P. KaseemVall.           |
| 8    | 18110048012        | T.Sreedhar           | T. Sreedhar.             |
| 9    | 18110048013        | U.Naresh             | U. Naresh.               |
| 10   | 18110048015        | U.Narendra           | U. Narendra.             |
| 11   | 18110048014        | U.Shantha Kumar      | U. Shantha Kumar.        |
| 12   | 18110048002        | B.Vijaya Kumar       | B. Vijaya Kumar.         |
| 13   | 18110048001        | B.Mahesh             | B. Mahesh.               |
| 14   | 18110048009        | N.UpendraNaik        | N. UpendraNaik.          |
| 15   | 18232048002        | B.Siddaiah           | B. Siddaiah.             |
| 16   | 18232048003        | B.MaheshBabu         | B. MaheshBabu.           |
| 17   | 18232048007        | G.RajKumar           | G. RajKumar.             |
| 18   | 18232048008        | H.Raj Kumar          | H. Raj Kumar.            |
| 19   | 18232048010        | M.Veeranjaneyulu     | M. Veeranjaneyulu.       |
| 20   | 18232048011        | P.Shaktishavali      | P. Shaktishavali.        |
| 21   | 18232048012        | V.Pavan              | V. Pavan.                |
| 22   | 18232048006        | C.Murali             | C. Murali.               |
| 23   | 18232048001        | B.Nagabhaskar        | B. Nagabhaskar.          |
| 24   | 18232048004        | B.Edukondalu         | B. Edukondalu.           |
| 25   | 18232048005        | B.Surendra           | B. Surendra.             |
| 26   | 18232048013        | D.Kalyan             | D. Kalyan.               |
| 27   | 18232048009        | H.Ramjaneyulu        | H. Ramjaneyulu.          |



|    |             |                  |                  |
|----|-------------|------------------|------------------|
| 28 | 18360048001 | B.Rajasekhar     | E. Raju          |
| 29 | 18360048002 | B.Govindarajulu  | Gandula          |
| 30 | 18360048003 | D.Jaffarali      | Jaffarali        |
| 31 | 18360048005 | G.T.Aparna       | Aparna           |
| 32 | 18360048008 | K.Venkaatesh     | Venkaatesh       |
| 33 | 18360048009 | M.ImamHussain    | ImamHussain      |
| 34 | 18360048004 | G.Rajasekhar     | Raju             |
| 35 | 18360048010 | P.Ramesh         | Raj              |
| 36 | 18360048012 | S.SaheraBannu    | Rasul            |
| 37 | 18360048014 | T.ManikantaSwamy | T. Senguy        |
| 38 | 18360048015 | U.Ananthalakshmi | U. Ananthakumari |
| 39 | 18360048016 | U.Umadevi        | Umadevi          |
| 40 | 18360048006 | K.Pavan Kumar    | Pavan Kumar      |

  
 PRINCIPAL  
 GOVT DEGREE COLLEGE  
 PATTIKONDA-518360  
 Kurmool Dist. A.P

  
 Lecturer in Telugu  
 Govt. Degree College,  
 PATTIKONDA, Kurmool Dist

## Attendance Sheet 2019-20 Certificate Course in Telugu Chandhassu

| S.No | Names of the Students | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 |
|------|-----------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1    | K. Anjaneyulu         | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 2    | K. Rajesh             | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 3    | M. Sanjeevakarna      | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 4    | M. Rajasekhur         | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 5    | N. Lokesh Naik        | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 6    | P. Venkatesh          | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 7    | P. Kaseem Vah         | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 8    | T. Sreedhar           | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 9    | T. Naresh             | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 10   | T. Narendra           | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 11   | T. Shantha Kumar      | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 12   | H. Vijaya Kumar       | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 13   | H. Mahesh             | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 14   | N. L. pendra Naik     | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 15   | H. Sudhanu            | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 16   | H. Mahesh Babu        | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 17   | G. Rajkumar           | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 18   | H. Raj Kumar          | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 19   | M. Veeranjanyulu      | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 20   | P. Shakti Chavali     | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 21   | V. Pavani             | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |







**GOVERNMENT DEGREE COLLEGE, PATTIKONDA**  
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**Department of Zoology**



**Certificates Courses in Poultry - Broiler Management**  
**From 2018-19 to 2022-2023**



  
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# GOVERNMENT DEGREE COLLEGE, PATTIKONDA

## Department of Zoology 2019-20

### Minutes of the Department meeting for the conduct of Certificate Course in Poultry Broiler Management

Date: 09-09-2019

The Department of Zoology, a leader in catering student needs, has made the decision to widen opportunities for individuals graduating from our College. There is a considerable need for new graduates for providing self-employment to rural background students. These courses also provide employment to the local individuals and daily livelihood. With the straightforward objective of equipping graduating students with the requisite practical abilities, the Department of Zoology has taken the initiative to provide a Certificate Course in Poultry Broiler Management.

On 09-09-2019, the Department of Zoology held a meeting with its members on the College's premises. The meeting was led by the department members and the Department unanimously decided to organize the Certificate Course in Poultry Broiler Management for degree-seeking students at our College, with the lecturers serving as the course instructors and the Department Head serving as chairman. As promised, the Certificate Course would span 45 days which would be very useful to students.

*G. Indiradevi*  
DEPARTMENT OF ZOOLOGY  
Smt. Indira Devi College,  
PATTIKONDA, Kurnool  
Contract Faculty

Sri.P.Ramananeyulu  
Contract Faculty

*P. Ramananeyulu*  
DEPARTMENT OF ZOOLOGY  
Govt. Degree College,  
PATTIKONDA, Kurnool



**GOVERNMENT DEGREE COLLEGE, PATTIKONDA**  
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2019-2020 Proposals for the Introduction of Certificate

Course in

**Poultry Broiler Management**

Date: 11-09-2019

From  
P.Ramanjaneyulu,  
Lecturer in Zoology,  
Govt. Degree College,  
Pattikonda, Kurnool (Dt).

To  
The Principal,  
Govt. Degree College, Pattikonda  
Kurnool (Dt).

Respected Sir,

I would like to suggest that the department of Zoology is going to organize a certificate Course in **Poultry Broiler Management** basing on the demands of departing students who are now more regularly communicated to the Department of Zoology from the lowest to the highest levels of employment, this course has become fruitful to students. The Department of Zoology is excited to start the course taking into account all of these factors. This course is also very useful for the students for their self-employment.

The details of the program are

- |                                           |                                                             |
|-------------------------------------------|-------------------------------------------------------------|
| 1. Name of the proposed program           | : A Certificate course in <b>Poultry Broiler Management</b> |
| 2. Duration and timings of the program    | : 45 days                                                   |
| 3. Start date of the program              | : 16-09-2019                                                |
| 4. Course fee                             | : free                                                      |
| 5. No. of students expected for admission | : 30                                                        |

Yours faithfully

  
PRINCIPAL  
Govt. Degree College  
PATTIKONDA, Kurnool Dist



P. Ramanjaneyulu  
In charge of the Department  
DEPARTMENT OF ZOOLOGY  
Govt. Degree College,  
PATTIKONDA, Kurnool



Government Degree College, Pattikonda.

Department of Zoology 2019-2020

Date: 12-09-2019

*Circular*

Zoology Department is starting a certificate course in Broiler Management for final year Students, the duration of the courses, which will last 45 days. There is no fee required for the course, and classes will commence on 16-09-2019. If you're interested in enrolling, please register your name at the department soon! After successfully completing the course, you'll receive a certificate.

P. Ramanjaneyulu  
DEPARTMENT OF ZOOLOGY  
Coordinator  
Govt. Degree College,  
PATTIKONDA, Kurnool

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GOVERNMENT DEGREE COLLEGE, PATTIKONDA, KURNOOL DISTRICT

Department of Zoology

Certificate course in poultry – Broilers Management

---

### SYLLABUS

#### UNIT - I

- 1.1 Introduction, types of poultry breeds, native, exotic breeds current scenario
- 1.2 Advantages and disadvantages of farming
- 1.3 Broilers housing, equipment and management

#### UNIT - II

- 2.1 Nutrition and feeding
- 2.2 Diseases control and management
- 2.3 Vaccination schedule for Broilers
- 2.4 Marketing strategy, income and expenditure of Broilers

Government Degree College Pattikonda Kurnool [Dist]

Department Of Zoology

Certificate Course in Poultry-Broiler Management

---

**MODEL PAPER**

Time:2Hrs

Max.marks:50

**PART-A**

**I Answer any Two of the following:**

**Draw the diagram wherever necessary**

1. Write an account on Bacterial management of broiler
2. Write about the Bacterial of Broilers
3. Explain different types of Farm house
4. Write about the Viral diseases on Broilers

**PART-B**

**II Answer any FOUR of the following:**

**Draw the diagram wherever necessary**

5. Explain advantages and disadvantages of Poultry farming
6. Explain the present of Poultry in India
7. Describe the methods of Broiler feeding
8. Write Vaccination Schedule for Broilers
9. Explain any two types of feeders
10. Give an account on economic importance of Broilers



2019-2020 16.9.2019-31.10.20

## REGISTER OF ATTENDANCE &amp; FEES

CLASSLIFE

Name of the Institute

G. D. C. Pattikonda

FOR THE MONTH OF

....2019-2020

Section III - B.Z.C

Place from: 16.9.2019-31.10.2019

| Sl. No           | R.D. Regt. No | NAMES              | 16/9/2019 | 17/9/2019 | 18/9/2019 | 19/9/2019 | 20/9/2019 | 21/9/2019 | 22/9/2019 | 23/9/2019 | 24/9/2019 | 25/9/2019 | 26/9/2019 | 27/9/2019 | 28/9/2019 | 29/9/2019 | 30/9/2019 | 31/10/2019 | No. of days present | FEES |    | Date of payment |
|------------------|---------------|--------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|---------------------|------|----|-----------------|
|                  |               |                    |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |                     | Rs.  | P. |                 |
| 1                | 48001         | A. Rehana          | /         | a         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /          | 26                  |      |    |                 |
| 2                |               | A. Raja Sekhar     | /         | /         | /         | a         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /          | 26                  |      |    |                 |
| 3                |               | A. Reseswathi      | a         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /          | 26                  |      |    |                 |
| 4                |               | B. mohan Jainaik   | /         | /         | /         | /         | a         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /          | 26                  |      |    |                 |
| 5                |               | B. Raja            | /         | a         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /          | 26                  |      |    |                 |
| 6                |               | B. surhashivi      | /         | a         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /          | 26                  |      |    |                 |
| 7                |               | B. Ravi Kumar      | /         | /         | /         | a         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /          | 26                  |      |    |                 |
| 8                |               | B.T. Venkatesh     | a         | /         | /         | a         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /          | 23                  |      |    |                 |
| 9                |               | C. Raja            | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /          | 27                  |      |    |                 |
| 10               |               | G. Venkatasunetha  | /         | /         | a         | /         | a         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /          | 26                  |      |    |                 |
| 11               |               | K. Rohini          | /         | /         | /         | /         | a         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /          | 26                  |      |    |                 |
| 12               |               | K. chandana Sekhar | /         | /         | /         | /         | /         | a         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /          | 23                  |      |    |                 |
| 13               |               | K. Suseela         | a         | /         | a         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /          | 27                  |      |    |                 |
| 14               |               | K. mali Karjuna    | /         | a         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /          | 28                  |      |    |                 |
| 15               |               | K. Raja Sekhar     | /         | /         | /         | a         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /          | 27                  |      |    |                 |
| 16               |               | M. Raja            | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /          | 27                  |      |    |                 |
| 17               |               | M. madhu           | /         | /         | /         | a         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /          | 28                  |      |    |                 |
| 18               |               | M. manasa          | /         | /         | /         | /         | /         | a         | a         | /         | /         | /         | /         | /         | /         | /         | /         | /          | 26                  |      |    |                 |
| 19               |               | M. Sunil Kumar     | a         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /          | 26                  |      |    |                 |
| 20               |               | M. Manoj Kumar     | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /          | 27                  |      |    |                 |
| 21               |               | M. prajani Jyothi  | /         | a         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /          | 27                  |      |    |                 |
| 22               |               | N. Malli Karjuna   | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /          | 27                  |      |    |                 |
| 23               |               | P. Imambai         | /         | /         | /         | a         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /          | 27                  |      |    |                 |
| 24               |               | P. mehaboob bhasa  | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /          | 27                  |      |    |                 |
| 25               |               | P. masthan         | /         | a         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /         | /          | 27                  |      |    |                 |
| Number present M |               |                    |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |                     |      |    |                 |
| Daily E          |               |                    |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |                     |      |    |                 |
| Initials M       |               |                    |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |                     |      |    |                 |
| E                |               |                    |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |            |                     |      |    |                 |

PRINCIPAL  
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Lecturer in Zoology  
Govt. Degree College  
PATTIKONDA-518380, Kurnool Dist.



# Government Degree College, Pattikonda

## Department of Zoology


2019-20

### Final Report of Certificate Course in

### Poultry Broiler Management

Poultry Broiler Management Programme was developed & designed by department of zoology with the help of the Principal for III B.Z.C students. By offering the 45-days Certificate course in Poultry Broiler Management has made a humble beginning in its efforts to teach and improve students' practical knowledge for livelihood. The main objective of the course, as decided earlier, was to impart commercial strategy and to create awareness from rural area students. The requirements of final year students are taken into account when creating the basic framework of the course. The feedback from the students was very positive.

The Principal, spoke to the students about the self-employment skills and knowledgeable them of the importance of rich protein values and low cholesterol, as the population is enormously increasing day by day the government also insist animal husbandry and poultry farming in the rural areas. The government also provided financial subsidy to the poultry farmers.

  
T. Indradevi  
DEPARTMENT OF ZOOLOGY  
Govt. Degree College,  
Coordinator  
PATTIKONDA, Kurnool

  
Principal  
PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
Kurnool Dist A.P



# Government Degree College

(Accredited By Naac With 'B' Grade)

Pattikonda, Kurnool (Dt), A.P. 518380.



| Academic Year 2020-21 |                                                           |                                 |                    |                                         |
|-----------------------|-----------------------------------------------------------|---------------------------------|--------------------|-----------------------------------------|
| S.No                  | Name of Add on / Certificate Programs offered             | Name of the Department          | Duration of Course | Number of Students enrolled in the year |
| 1.                    | Green Computing                                           | Department of Computer Science  | 45                 | 40                                      |
| 2.                    | Floral Arrangement & Bouquet Preparation                  | Department of Botany            | 45                 | 25                                      |
| 3.                    | Certificate Course in Tally                               | Department of Commerce          | 45                 | 40                                      |
| 4.                    | Water Analysis                                            | Department of Chemistry         | 45                 | 30                                      |
| 5.                    | Rural Entrepreneurship Opportunities, Finance & marketing | Department of Economics         | 45                 | 20                                      |
| 6.                    | Journalistic Report & Editing Techniques                  | Department of History           | 30                 | 15                                      |
| 7.                    | Home Appliances                                           | Department of Physics           | 30                 | 19                                      |
| 8.                    | Commonly Used English Words with Telugu Meaning           | Department of English           | 45                 | 40                                      |
| 9.                    | Basic Arithmetic                                          | Department of Mathematics       | 45                 | 25                                      |
| 10                    | Basic Organs of the Government                            | Department of Political Science | 45                 | 15                                      |
| 11                    | Telugu Alankaralu                                         | Department of Telugu            | 30                 | 40                                      |
| 12                    | Poultry Broiler Management                                | Department of Zoology           | 45                 | 25                                      |



L. R. MADHUR, M.A., M.Sc., B.A.

PRINCIPAL

Government Degree College,  
PATTIKONDA., Kurnool Dist., A.P.



**Government Degree College**  
**Pattikonda, Kurnool (Dt).**

**Department of Computer  
Science**



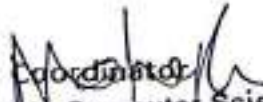
**A Certificate course in  
Green Computing  
for the year-2020-21**

# **Government Degree College, Pattikonda.**

## **Department of Computer Science**

Date: 31-07-2020

All the final year degree students are hereby informed that the Department of Computer Science is going to start a certificate course in Green Computing. The duration of the course is 45 days. Students need not pay any fee for the course. The classes will commence from 03-08-2020. Interested students are required to register their names in Computer Science department. After successful completion of the course certificate will be provided to the students.

  
Lecturer in Computer Science  
Govt. Degree College  
PATTIKONDA-518 380.  
Kurnool Dist. A.P

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**GOVERNMENT DEGREE COLLEGE, PATTIKONDA**

**Proposal for the Introduction of Certificate**

**Course in**

**Green Computing**

**Date: 01-08-2020**

From  
B.Maheswara Reddy,  
Lecturer in C.S.,  
Head of Department  
Govt. Degree College  
Pattikonda, Kurnool (Dt).

To  
The Principal,  
Govt. Degree College, Pattikonda  
Kurnool (Dt).


Respected Sir,

I would like to suggest that the department of Computer Science is going to organize a certificate Course in Green Computing basing on the demands of departing students. The Department of C.S is excited to start the course.

The details of the program are

- |                                           |                                |
|-------------------------------------------|--------------------------------|
| 1. Name of the proposed program           | : Green Computing              |
| 2. Duration and timings of the program    | : 45 days                      |
| 3. Start date of the program              | : 03 <sup>rd</sup> August 2020 |
| 4. Course fee                             | : free                         |
| 5. No. of students expected for admission | : 40                           |

Yours faithfully

  
Lecturer in Computer Science  
Govt. Degree College  
PATTIKONDA-518 380.  
Kurnool Dist. A.P

Head of Department Computer Science

  
PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
Kurnool Dist A P



# GOVERNMENT DEGREE COLLEGE, PATTIKONDA

## Department of Computer Science

### Minutes of the Department meeting for the conduct of Certificate Course in Green Computing

Date: 01-08-2020

The Department of Computer Science, a leader in catering to student needs, has made the decision to widen opportunities for individuals graduating from our College. There is a considerable need for graduates with Green Computing skills due to the expanding job market, which has been particularly visible in the globalized sector. With the straightforward objective of equipping graduating students with the requisite Green Computing skills, the Department of Computer Science has taken the initiative to provide a Certificate Course in Green Computing.

On 01-08-2020, the Department of Computer Science held a meeting with its members on the College's property. The conference was led by the department head, Mr B Maheswara Reddy, The Department unanimously decided to organize the Certificate Course in Green Computing for degree-seeking students at our College, with the lecturers serving as the course instructors and the Department Head serving as chairman. As promised, the Certificate Course would span 45 days.

1. Mr B Maheswara Reddy, Head of the Department :  
Lecturer in Computer Science  
Govt. Degree College  
PATTIKONDA-518 380.  
Kurnool Dist. A.P

  
Principal  
PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
Kurnool Dist A P

**A  
Certificate Course  
In  
Green Computing**


**SYLLABUS**


**Module I :** Green IT: An Overview , Environmental Concerns and Sustainable Development, Environmental Impacts of IT, Holistic Approach to Greening IT, Greening IT Green PCs, Notebooks and Servers, Green ,Data Centres, Green Cloud Computing, Green Data Storage, Green Software, Green Networking and Communications

**Module II :** Green Devices and Hardware , Life Cycle of a Device or Hardware: Design, Manufacturing, Packaging and Transportation, Use, Reuse, Recycle and Dispose, Green Data Storage Green Drives ,Solid State Drives, RAID, MAID Low Cost PC's

**Module III:** Green Cloud Computing and Environmental Sustainability, Introduction, what is Cloud Computing, Components of Cloud Computing, Cloud Computing Deployment Models, Features of Clouds Enabling Green Computing, Green Cloud Architecture.

**Module IV:** Go Green Initiatives in India: GIM (Green India Mission), Environmental (Protection) Act, Convention on Biological Diversity (CBD) treaty, Inching towards Renewable Energy Indian Inc's green initiatives to lower costs in the long run reduced water consumption, reduced hazardous waste generation, dropped energy consumption Regulating Green IT: Laws, Standards and Protocols: RoHS, WEEE. BAN, LEED, EPEAT


  
Lecturer in Computer Science  
Govt. Degree College  
PATTIKONDA-518 380,  
Kurnool Dist. A.P


  
PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
Kurnool Dist A P



## List of students Registered for Green Computing 2020-21

| S.No | Name of the Students    |
|------|-------------------------|
| 1    | B.Rajasekhar            |
| 2    | B.Govindarajulu         |
| 3    | D.Jaffarvali            |
| 4    | G.Rajasekhar            |
| 5    | G.T.Aparna              |
| 6    | K.Pavan Kumar           |
| 7    | K.Geetha                |
| 8    | K.Venkatesh             |
| 9    | M.Imam Hussain          |
| 10   | P.Ramesh                |
| 11   | S.Rahemath Shareef      |
| 12   | S.Sahera Banu           |
| 13   | S.Harikrushna           |
| 14   | T.Manikanta Swamy       |
| 15   | U.Ananthalakshmi        |
| 16   | U.Umadevi               |
| 17   | Y.Anjineyulu            |
| 18   | J.Govindu Naik          |
| 19   | C.Veeraprasad           |
| 20   | V.Venkatesh             |
| 21   | S.Mastan Vali           |
| 22   | K.Jagadesh              |
| 23   | B.Lakshmi Prasanna (W)  |
| 24   | U.SriJyothika (W)       |
| 25   | Y.Usha (W)              |
| 26   | K.Lavanya (W)           |
| 27   | K.Hareesh               |
| 28   | M.Babafiroz             |
| 29   | T.Mohammad Makthum Vali |
| 30   | K.Raja Ramesh           |
| 31   | C.Krishnaveni           |
| 32   | B.Nagalakshmi           |
| 33   | B.C.Rammohan            |
| 34   | S.Sai Viswanath         |
| 35   | E.Rajesh                |
| 36   | S.Khasmi Vali           |
| 37   | B.Prakash               |
| 38   | K.Sulochana (W)         |
| 39   | S.Mansoor Basha         |
| 40   | A.Bhaskar               |

  
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 Kurnool Dist A P



# REGISTER OF ATTENDANCE & FEES

Name of the Institute

FOR THE MONTH OF .....20

Section

Place

| No. in<br>15 | Adm<br>Sion<br>No. | NAMES                       | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | No. of<br>days<br>present | FEES<br>Rs. | Date of<br>payment |
|--------------|--------------------|-----------------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---------------------------|-------------|--------------------|
| 1.           |                    | B. Rajasekhar               | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                           |             |                    |
| 2.           |                    | B. Gopinada Rajulu          | A | A | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                           |             |                    |
| 3.           |                    | S. Jafar Ali                | P | A | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                           |             |                    |
| 4.           |                    | G. Rajasekhar               | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                           |             |                    |
| 5.           |                    | G.T. Aravind                | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                           |             |                    |
| 6.           |                    | K. Pavan Kumar              | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                           |             |                    |
| 7.           |                    | K. Geetha                   | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                           |             |                    |
| 8.           |                    | K. Venkatesh                | A | A | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                           |             |                    |
| 9.           |                    | M. Manu Aravind             | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                           |             |                    |
| 10.          |                    | P. Ramesh                   | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                           |             |                    |
| 11.          |                    | S. Ramesh Shreeff           | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                           |             |                    |
| 12.          |                    | S. Subash Kumar             | P | A | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                           |             |                    |
| 13.          |                    | S. Harikrishna              | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                           |             |                    |
| 14.          |                    | T. Manikanta Suman          | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                           |             |                    |
| 15.          |                    | V. Anantha Lakshmi          | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                           |             |                    |
| 16.          |                    | V. Umadevi                  | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                           |             |                    |
| 17.          |                    | V. Anjineyulu               | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                           |             |                    |
| 18.          |                    | J. Gopinath Nayak           | P | A | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                           |             |                    |
| 19.          |                    | G. Vasthapaiah              | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                           |             |                    |
| 20.          |                    | V. Venkatesh                | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                           |             |                    |
| 21.          |                    | S. Mastanah                 | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                           |             |                    |
| 22.          |                    | K. Jagadish                 | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                           |             |                    |
| 23.          |                    | B. Lakshmi Prasanna         | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                           |             |                    |
| 24.          |                    | V. Sathyaishika             | P | A | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                           |             |                    |
| 25.          |                    | V. Adna                     | P | A | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                           |             |                    |
| 26.          |                    | K. Lavanya                  | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                           |             |                    |
| 27.          |                    | K. Harish                   | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                           |             |                    |
| 28.          |                    | M. Babaraj                  | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                           |             |                    |
| 29.          |                    | T. Mahamednathun            | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                           |             |                    |
| 30.          |                    | K. Raja Rameh               | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                           |             |                    |
|              |                    | Number present M<br>Daily E |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                           |             |                    |
|              |                    | Initials M<br>E             |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                           |             |                    |

No. of Working days  
 Average Attendance during the month  
 No. on Roll during month  
 Lecturer in Computer Science  
 Govt. Degree College  
 PATTIKONDA-5th JNU  
 Murumbelur, W.P.



**CLASSIFIED**

# REGISTER OF ATTENDANCE & FEES

FOR THE MONTH OF ..... 20

Name of the Institute

Section

Place

| Sl. No | Admission No | NAMES            | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | No. of days present | FEES Rs. | Date of payment |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |
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| 31     |              | C. Krishnaveni   | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |          |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |
| 32     |              | B. Nagalakshmi   | A | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |          |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |
| 33     |              | B.C. Ram mehar   | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |          |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |
| 34     |              | a. Sai Viswanath | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |          |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |
| 35     |              | E. Rajesh        | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |          |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |
| 36     |              | S. Kshayini      | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |          |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |
| 37     |              | B. Fadaleek      | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |          |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |
| 38     |              | K. Seelachana    | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |          |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |
| 39     |              | S. Manojan Radha | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |          |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |
| 40     |              | A. Shakti        | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |          |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |
|        |              |                  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |          |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | </ |

Lecture in Computer Science  
Govt Degree College  
PATIKONDA-518 330.  
Kumbol Dist. A.P.

No. not at the beginning of the month      Absent during the month      Left No. at end of month      No. of Working days      Average Attendance during the month.      No. on Roll during month.



# REGISTER OF ATTENDANCE & FEES

FOR THE MONTH OF .....20

Name of the Institute

Section

Place

| No  | Admission No. | NAMES                | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | No. of days present | FEES RS. P. | Date of payment |
|-----|---------------|----------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---------------------|-------------|-----------------|
| 1.  |               | B. Rajasekhari       | A | A | A | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |             |                 |
| 2.  |               | B. Govinda Rajulu    | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |             |                 |
| 3.  |               | B. Jaffarvala        | A | P | P | A | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |             |                 |
| 4.  |               | G. Rajasekhari       | A | P | P | P | A | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |             |                 |
| 5.  |               | G.T. Aparna          | P | P | P | P | A | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |             |                 |
| 6.  |               | K. Pavan Kumar       | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |             |                 |
| 7.  |               | K. Gneetha           | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |             |                 |
| 8.  |               | K. Venkatesh         | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |             |                 |
| 9.  |               | M. Imam Hussain      | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |             |                 |
| 10. |               | P. Ramesh            | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |             |                 |
| 11. |               | S. Rajaratnam        | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |             |                 |
| 12. |               | S. Sathyanarayana    | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |             |                 |
| 13. |               | S. Harikrishna       | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |             |                 |
| 14. |               | T. Manikantam        | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |             |                 |
| 15. |               | U. Ananthalakshmi    | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |             |                 |
| 16. |               | U. Umadevi           | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |             |                 |
| 17. |               | Y. Anithyula         | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |             |                 |
| 18. |               | J. Govindu Nigat     | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |             |                 |
| 19. |               | C. Veeraprasad       | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |             |                 |
| 20. |               | V. Venkatesh         | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |             |                 |
| 21. |               | S. Mastanvali        | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |             |                 |
| 22. |               | K. Jagadish          | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |             |                 |
| 23. |               | B. Lakshmi Devi      | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |             |                 |
| 24. |               | U. Sathya-Prabha     | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |             |                 |
| 25. |               | Y. Usha              | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |             |                 |
| 26. |               | K. Jayamma           | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |             |                 |
| 27. |               | K. Hareesh           | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |             |                 |
| 28. |               | M. Babar Fiaz        | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |             |                 |
| 29. |               | T. Rahamath Mahumud  | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |             |                 |
| 30. |               | P. Raja Ramesh       | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |             |                 |
| 31. |               | Number present Daily |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |             |                 |

Lecturer in Chemistry  
Govt. Degree College  
PATTIKONDA-518334  
Kurnool Dist. A.P.



# REGISTER OF ATTENDANCE & FEES

FOR THE MONTH OF .

Name of the Institute

Section

| Sl. No. | Admission No. | NAMES             | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 |
|---------|---------------|-------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
|         |               |                   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 31.     |               | C. Krishnaven     | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  |    |    |    |    |    |    |    |    |    |    |    |    |
| 32.     |               | B. Nagalakshmi    | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  |    |    |    |    |    |    |    |    |    |    |    |    |
| 33.     |               | B. C. Ramachan    | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  |    |    |    |    |    |    |    |    |    |    |    |    |
| 34.     |               | S. Sai Venkata    | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  |    |    |    |    |    |    |    |    |    |    |    |    |
| 35.     |               | E. Rajesh         | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  |    |    |    |    |    |    |    |    |    |    |    |    |
| 36.     |               | S. Khasant Vair   | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  |    |    |    |    |    |    |    |    |    |    |    |    |
| 37.     |               | B. Prakash        | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  |    |    |    |    |    |    |    |    |    |    |    |    |
| 38.     |               | K. Sulekhana (A   | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  |    |    |    |    |    |    |    |    |    |    |    |    |
| 39.     |               | S. Hanuman Basika | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  |    |    |    |    |    |    |    |    |    |    |    |    |
| 40.     |               | A. Bhaskar        | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  |    |    |    |    |    |    |    |    |    |    |    |    |

Lecturer in Computer Science  
 Jyoti. Dargu College  
 PATIKONDA-918 300  
 Kuntal Dist. AP

# Model question paper (2020-21)

## Green Computing Certificate Course

Time 01:00

Maximum Marks: 50

Q 1. A typical computer monitor may contain more than 6 percent \_\_\_\_\_ by weight.

- a) PCBs
- b) Cadmium
- c) Mercury
- d) lead

Q 2. One's impact on the planet—there's no standard definition is \_\_\_\_\_.

- a) carbon footprint
- b) Heat
- c) Measuring
- d) Power

Q 3. Optimizing the life cycle of electrical and electronic equipment by improving supply chains is a prime objective of \_\_\_\_\_.

- a) NGO's
- b) StEP
- c) CRT
- d) USA

Q 4. The goal of the \_\_\_\_\_ task force is to enhance global recycling infrastructures, systems, and technologies while realizing sustainable e-waste-recycling systems.

- a) capacity building
- b) ReDesign
- c) ReUse
- d) ReCycle

Q 5. \_\_\_\_\_ implemented electronic waste disposal legislation prior to the EU WEEE Directive, but changed its legislation to include the EU's mandates.

- a) Austria
- b) Cyprus
- c) Belgium
- d) France

Q 6. "\_\_\_\_\_" is a tool for reducing storage and bandwidth consumed from diskbased backup.

- a) data de-duplication
- b) Virtualization

- c) Storage
- d) Management

Q 7. \_\_\_\_\_ company Excito offers a low-power, quiet Linux file and print server based on Debian Linux.

- a) Japanies
- b) American
- c) Swedish
- d) Rashian

Q 8. \_\_\_\_\_ is designed for write once, read occasionally (WORO) applications.

- a) Green Drives
- b) RAID
- c) MAID
- d) LCD

Q 9. \_\_\_\_\_ is a major component of your power consumption and, by extension, your IT budget.

- a) LED
- b) monitor
- c) pooling
- d) Cooling

Q 10. Use of \_\_\_\_\_ to block the open air above your racks that have been configured into a hot-aisle/cool-aisle layout.

- a) Rigid enclosures
- b) flexible strip curtains
- c) Hot-aisle
- d) cool aisle

Q 11. When creating requests for proposals, make sure to include a green component as well as clear metrics for their measurement as part of \_\_\_\_\_.

- a) Analyze global issues
- b) Communicate Suppliers
- c) supplier performance management
- d) supplier management


Q 12. \_\_\_\_\_ can vaporize and enter the atmosphere, thus contributing to indoor air pollution.

- a) VOCs
- b) Carpet
- c) Paint
- d) Cleaning Products



Q 25. \_\_\_\_\_ is charitable non-governmental organization which focuses on reducing the export of hazardous waste from development countries to developing countries.

- a) StEP(Solving e-waste problem )
- b) Byte Back program
- c) Basel Action Network
- d) RoHS

  
Lecturer in Computer Science  
Govt. Degree College  
PATTIKONDA-518 380.  
Kurnool Dist. A.P



## Government Degree College

Pattikonda, Kurnool-518380, A.P.

Affiliated to Rayalaseema University (RU) Kurnool

Re-Accredited By NAAC with 'B' Grade

### Department of Computer Science

## Certificate of Participation

This is to certify that Mr./Miss./Mrs. \_\_\_\_\_ studying \_\_\_\_\_ successfully completed 'A Certificate Course in Green Computing' Organized by Department of Computer Science, Government Degree College, Pattikonda, Kurnool(Dt) held from 03-08-2020 to 24-09-2020.

*Govardhan*  
Govardhan

Lecturer in Computer Science  
Govt. Degree College  
PATTIKONDA-518 380.  
Kurnool Dist. A.P

*Principal*  
Principal  
GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
Kurnool Dist. A.P


**Government Degree College, Pattikonda**  
**Department of Computer Science**  
**Final Report of Certification Course in Green Computing**


During this course, students delved deep into To develop Green IT Professionals who can assess, and develop strategies to reduce the carbon footprint and materials use of the ICT operations of an organization. Completing this course has added a new skill to their knapsack, empowering them to tackle programming challenges and contribute effectively to Green Computing. The aforementioned course began on August 03, 2020, and ended on September 24, 2020. The pupils' response was very positive. The Seminar Hall was crowded with eager students for its first presentation.

The principal, Mr. B K Krupender Reddy, spoke to the students and informed them of the significance of technology in both the social and business spheres. He also praised the work of the department of Computer science and complimented Sri.B.Maheswara Reddy, HOD, who served as the course's architect. The course had a high turnout of students. Regular attendance for the classes, which ran from 04.00 PM to 5:30 PM, was 40 students.

The sessions were engaging, educational, and fascinating. The students were able to comprehend how to learn and understand Green Computing with the use of hands-on activities, films, handouts, seminars, quizzes, suggested books, and engaging exercises. The pupils' confidence level was raised via brainstorming sessions, discussions, group exercises. The complete course took place; The Course ran its entire course of 45 days and also took informal inputs from the students for making the course better next time.

After the successful completion of the said Certificate course, a valedictory function was held on 24<sup>th</sup> September 2020. The Principal of the College, graced the occasion. The meeting was presided over by the HOD, B. Maheswara Reddy. Vote of thanks was proposed by other members.

  
Lecturer in Computer Science  
Govt. Degree College  
PATTIKONDA-518 380.  
Kurnool Dist. A.P

  
PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
Kurnool Dist A P



**Government Degree College,  
Pattikonda, Kurnool Dist.**



**Department of Botany  
A Certificate Course on  
Floral Arrangement and Bouquet Preparation  
2020 – 21**



**Dr. K.Sippy Issac,  
Lecturer in Botany,  
Government Degree College,  
Pattikonda, Kurnool Dist.**

**GOVERNMENT DEGREE COLLEGE, PATTIKONDA**

**Proposal for the Introduction of Certificate**

**Course in**

**Floral Arrangement and Bouquet Preparation**

**Date: 10-09-2020**

**From**  
**K.Sippy Issac** ,  
**Lecturer in Botany,**  
**Head of Department**  
**Govt. Degree College**  
**Pattikonda, Kurnool (Dt).**

**To**  
**The Principal,**  
**Govt. Degree College, Pattikonda**  
**Kurnool (Dt).**

**Respected Sir,**


I would like to bring to your kind notice that the department of Botany is going to organize a certificate Course in **Floral Arrangement and Bouquet Preparation** basing on the demands of departing students are now more regularly communicated to the Department of Botany from the lowest to the highest levels of employment, **Floral Arrangement and Bouquet Preparation** has become fruitful to students. The Department of Botany is excited to start the course taking into account all of these factors.

**The details or the program are:**

- |                                                  |                                                                             |
|--------------------------------------------------|-----------------------------------------------------------------------------|
| <b>1. Name of the proposed program</b>           | <b>: A Certificate course in Floral Arrangement and Bouquet Preparation</b> |
| <b>2. Duration and timings of the program</b>    | <b>: 45 days</b>                                                            |
| <b>3. Start date of the program</b>              | <b>: 21 Sept</b>                                                            |
| <b>4. Course fee</b>                             | <b>: free</b>                                                               |
| <b>5. No. of students expected for admission</b> | <b>: 25</b>                                                                 |

**Yours faithfully**



  
**Head of Department Botany**  
**HEAD**  
**Department of Botany,**  
**Government Degree College**  
**Pattikonda-518 380, Kurnool Dist**

# GOVERNMENT DEGREE COLLEGE, PATTIKONDA

## Department of Botany

### *Minutes of the Department meeting for the conduct of Certificate Course in Floral Arrangement and Bouquet Preparation*

Date: 10-09-2020

The Department of Botany, a leader in catering to student needs, has made the decision to widen opportunities for individuals graduating from our College. There is a considerable need for new graduates with job market, which has been particularly visible in the globalized sector. With the straight forward objective of equipping graduating students with the requisite practical abilities, the Department of Botany has taken the initiative to provide a Certificate Course in Floral Arrangement and Bouquet Preparation.

On 10-09-2020, the Department of Botany held a meeting with its members on the College premises. The conference was led by the department head, K.Sippy Issac and the Department unanimously decided to organize the Certificate Course in Floral Arrangement and Bouquet Preparation for degree-seeking students at our College, with the lecturers serving as the course instructors and the Department head serving as chairman. As promised, the Certificate Course would span 45 days.

1. K.Sippy Issac, Head of the Department

  
HEAD  
Department of Botany,  
Government Degree College  
Pattikonda-518 380, Kurnool Dist



  
Principal  
GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
Kurnool Dist. A.P.



**Government Degree College, Pattikonda.  
Kurnool-A.P-518380**

**Department of Botany**

Date: 12-09-2020

All the final year degree students are hereby informed that the Department of Botany is going to start a certificate course in **Floral Arrangement and Bouquet Preparation** the duration of the course is 45 days. Students need not pay any fee for the course. The classes will commence from 21-09-2020. Interested students are required to register their names in Botany Department. After successful completion of the course certificate will be provided to the students.

A. L. 

  
Coordinator

LECTURER  
DEPARTMENT OF BOTANY  
GOVT. DEGREE COLLEGE  
PATTIKONDA-518 380, Kurnool Dt.



# Certificate Course

In

## Floral Arrangement and Bouquet Preparation SYLLABUS

Duration: 45 Days

Total Hours: 40

### Unit-01

Introduction: history, need for Floral Arrangement and Bouquet Preparation

### Unit-02


Collection and screening of plant material used for Floral Arrangement and Bouquet Preparation

### Unit-03

Floriculture techniques: definition and scope of floriculture, importance of floriculture in bouquet preparation

### Unit-04

Economic importance: benefits of bouquet preparation for society, bouquet preparation as self employment scheme for women empowerment, organizations for financial assistance

  
**LECTURER**  
DEPARTMENT OF BOTANY  
GOVT. DEGREE COLLEGE  
PATTIKONDA-518 380, Kurnool

# STYLES OF FLOWER ARRANGEMENT

Like all art forms, flower arrangement has different styles and leading artists in the field, are likely to prefer one style to another. Basically there are four styles of flower arrangement.

## **WESTERN / TRADITIONAL**

These are mass arrangements. They are often elaborate, with attractive containers. Usually the arrangements have some kind of symmetry.

## **JAPANESE / IKEBANA**

Simple, sober arrangements highlighting line, rhythm and mood. These arrangements frequently have a religious symbolism that dates back to the origins of this art.

## **freestyle**

Is based on the creativity of the individual, using a blend of both Western and Japanese.

## **MODERN**

Are based on structural designs and geometrical patterns.



EQUIPMENT REQUIRED FOR FLOWER ARRANGEMENT

*Shears*

*Buckets*

*Needlepoint holders*

*Wiremesh*

*Oasis*

*Beeswax*

*Stem supporters*

*Accessories*

*Containers*

*Water sprinkler*

## CONDITIONING OF PLANT MATERIAL

When to cut

Immediate immersion

Water absorption

Cutting underwater

How to cut

Searing

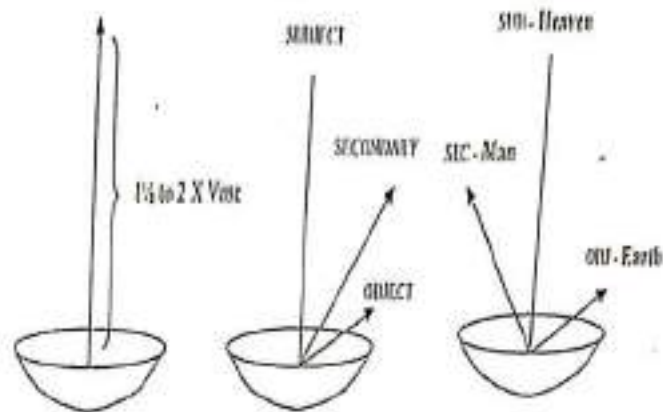
Shearing

Clean equipment

Placement of arrangement

Water level and additives

## JAPANESE



|           |                       |
|-----------|-----------------------|
| SUBJECT   | 1 1/4 to 2 X Vase     |
| SECONDARY | 2/3 of Subject 45°L   |
| OBJECT    | 1/3 of Secondary 60°R |

## WESTERN

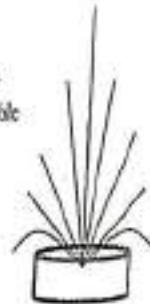
Front-facing



1. ESTABLISH THE HEIGHT OF ARRANGEMENT  
Place stem as far back in the pinholder as possible



2. CREATE THE PARAMETERS FOR THE SHAPE



3. FILL IN THE OUTLINE TO CREATE A BACKDROP  
If necessary build up successive backdrops in front depending on the size of the arrangement



4. CREATE A FOCAL POINT  
Add fillers wherever necessary

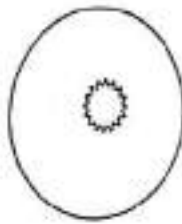


5. VARY THE ANGLE OF PLACEMENT  
This creates the three-dimensional effect



## WESTERN

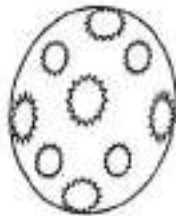
All-round



1. ESTABLISH THE HEIGHT OF THE ARRANGEMENT  
Place the stem in the centre of the pinholder



2. ESTABLISH THE OUTLINE  
Vary the angles to create consecutive 'skirts'



3. COMPLETE THE ARRANGEMENT  
Add fillers and line the base of the arrangement with ferns/leaves

A **flower bouquet** is a collection of flowers in a creative arrangement. Flower bouquets can be arranged for the decor of homes or public buildings, or may be handheld. Handheld bouquets are classified by several different popular shapes and styles, including nosegay, crescent, and cascading bouquets. Flower bouquets are often given for special occasions such as birthdays, anniversaries or funerals. They are also used extensively in weddings as well as Olympics Medal Ceremonies. Bouquets arranged in vases or planters for home decor can be arranged in either traditional or modern styles. Symbolism may be attached to the types of flowers used, according to the culture.

## History

---



Fresh flowers are arranged in front of houses to



celebrate Onam, a major celebration in Kerala, India. A Japanese ikebana flower bouquet in a vase.



### Beach Wedding Bouquet

The arrangement of flowers for home or building decor has a long history throughout the world. The oldest evidence of formal arranging of bouquets in vases comes from ancient Egypt, and depictions of flower arrangements date to the Old Kingdom (~2500 BCE). The sacred lotus was often used, as were herbs, palms, irises, anemones, and narcissus.<sup>[1]</sup> In some cultures, ancient practices still survive today, for example in ikebana, the art of flower-arranging that comes from Japan. The oldest known book on flower-arranging is Japanese and dates from 1445. Simplicity and linear form are core features of ikebana, which has had a great influence on Western flower arranging since the late 19th century.<sup>[2]</sup>

Flower-arranging as an art form was brought to Japan by Buddhist monks, who learned it while in China. In ancient China, flower-arranging developed into a highly refined art form, based on the principle that life is sacred, including the life of plants, therefore cut flowers were used sparingly in carefully planned arrangements. Flowers were a traditional ritual offering among Buddhists, however, and remain so.<sup>[3]</sup> In Europe, flower arranging as a formal art was first documented among the Dutch, who "in particular, painted wonderful informal arrangements of flowers [...] In the 18th century, arrangements were used to decorate the houses of the wealthy families and the aristocracy."<sup>[4]</sup>

Flower symbolism is common in many cultures, and can be complex. In China, certain flowers symbolize seasons: white plum blossoms represent winter, peach and cherry blossoms represent spring, lotus represents summer, and chrysanthemums the fall.<sup>[5]</sup>

## Nosegay

*Further information:* Nosegay

The term "tussie-mussie" is sometimes used interchangeably with nosegay. A nosegay was also known as a "talking bouquet" or "flower poesy" during the Victorian era, when they became a popular gift.<sup>[6]</sup> Traditionally, brides will also carry a small nosegay. Tussie mussies were introduced to England in the early 18th century, and were a fashionable accessory for young women by the early 19th century.<sup>[7]</sup> A tussie mussie is a small circular bouquet like a nosegay, but carries symbolic meaning based upon the language of flowers, where particular flowers represent specific sentiments. They were commonly exchanged by lovers, who sent messages to one another based upon the flowers used in the bouquet. Traditionally, tussie mussies are arranged in a cone- or cornucopia-shaped container, made of tin or silver, with a chain attached for carrying the bouquet.<sup>[8]</sup>



# Language of flowers

Further information: Language of flowers

Flower symbolism originated in Asia and the Middle East, where certain flowers, such as the lotus, were considered sacred, or at least to be associated with spiritual themes. This was often reflected in artwork, for example the use of bamboo in Chinese art to represent longevity and eternity. The language of flowers was introduced to England in the early 18th century by Mary Wortley, Lady Montague, whose husband was Ambassador to Turkey. By the Victorian era, almost every flower had a specific meaning attached to it. Small nosegay or "tussie mussie" bouquets might include chamomile flowers, which a woman might send to a romantic interest to tell him "Patience"; goldenrod represented indecision.<sup>88</sup>

## Wedding bouquets

Traditionally the bride will hold the bouquet, and the maid of honor will hold it during the ceremony. After the wedding the bride will toss it over her shoulder, and it is believed that whoever catches the bouquet is the next in line to be married.<sup>89</sup> This practice may be related to the Golden Apple of Discord myth.<sup>90</sup>

## Wedding bouquet shapes

There are many different bridal bouquet styles from which to select. Brides typically choose the shape of their bouquets according to popular trends at the time of their wedding; however, some choose bouquets which evoke another time period. While the language of flowers can contribute to a message to be conveyed about the couple, the shapes are a personal preference.

The Posy bouquet is typically round in shape and is thought of as modern due to the small size and relative simplicity of the arrangement. It is also popular for the ease of carrying and passing-off during the ceremony. It can be composed of an expensive flower, such as a rose, or can be a sampling of country flowers.

The Cascading bouquet is usually a large arrangement which tapers near the bottom. It was popularized as the arrangement of choice for the 1980s at the wedding of Lady Diana Spencer and the Prince of Wales at Westminster Abbey. It can, and is often, made up of many types of flowers and is enhanced with Baby's Breath and different types of greenery, such as ivy. This bouquet became less popular as bridal trends shifted towards simplicity; however, it has found a resurgence in recent years.


The Presentation bouquet saw a surge in popularity at the turn of the twentieth century. It is most frequently composed of a long-stemmed bud, such as the Calla Lily, and is cradled in the bride's arms, rather than carried by the stems.

K. Srinivas  
LECTURER  
DEPARTMENT OF BOTANY  
GOVT. DEGREE COLLEGE  
PAT TIKONDA-518 380, Kurnool Dt.

# List of students Registered for Certificate Course 2020-21

## Department of Botany

| S.No | Name of the Students |                         |                 |
|------|----------------------|-------------------------|-----------------|
| 1    | A.Pushpalatha        | 1835 8048001            | A. pushpalatha  |
| 2    | B.Geethanjali        | 8002                    | B. Geethanjali  |
| 3    | B.Kumaraswamy        | 8003                    | B. kumaraswamy  |
| 4    | B.Anusha             | 8004                    | B. Anusha       |
| 5    | B.Madhu Babu         | 8005                    | B. Madhu Babu   |
| 6    | B.Mallika            | 8006                    | B. Mallika      |
| 7    | B.Bujji              | 8007                    | B. Bujji        |
| 8    | B.Naveen Kumar       | 8008                    | B. Naveen Kumar |
| 9    | B.Ramajineyulu       | 8009                    | B. Ramajineyulu |
| 10   | B.Mahalakshmi        | 8010                    | B. Mahalakshmi  |
| 11   | C.Ashok Kumar        | 8011                    | C. Ashok Kumar  |
| 12   | C.Suresh             | 8012                    | C. Suresh       |
| 13   | C.Ajay Kumar TC      | T.C. issued T.C. issued |                 |
| 14   | C.Swathi             | 8014                    | C. Swathi       |
| 15   | G.Somanna            | 8015                    | G. Somanna      |
| 16   | G.Surendra           | 8016                    | G. Surendra     |
| 17   | G.Venkatesh          | 8017                    | G. Venkatesh    |
| 18   | G.Ngalakshmi         | 8018                    | G. Ngalakshmi   |
| 19   | H.Brahmaiah          | 8019                    | H. Brahmaiah    |
| 20   | J.Jyoshna Priya      | 8020                    | J. Jyoshna      |
| 21   | K.Ravi               | 8021                    | K. Ravi Priya   |
| 22   | K.Adilakshmi         | 8022                    | K. Adilakshmi   |
| 23   | M.Adilakshmi         | 8023                    | M. Adilakshmi   |
| 24   | M.Maddiletamma       | 8024                    | M. maddiletamma |
| 25   | M.Surendra           | 8025                    | M. Surendra     |

  
 LECTURER  
 DEPARTMENT OF BOTANY  
 1 GO  
 PATTHANUR  
 58 901 LEG  
 5.126, #11001



**FOR THE MONTH OF**

20

[illegible]



# REGISTER OF ATTENDANCE & FEES

FOR THE MONTH OF

20

Name of the Institute

Page No.

| Sl. No. | Section | NAMES                | Date |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | No. of days Present | Fees Rs. & P. | Total |
|---------|---------|----------------------|------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---------------------|---------------|-------|
|         |         |                      | 1    | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |                     |               |       |
| 1       |         | A. Pushpalatha       | X    | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |               |       |
| 2       |         | B. Geetha Rajali     | X    | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |               |       |
| 3       |         | B. K. Umashree       | X    | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |               |       |
| 4       |         | B. Anusha            | X    | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |               |       |
| 5       |         | B. Madhu Babu        | X    | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |               |       |
| 6       |         | B. Mallika           | X    | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |               |       |
| 7       |         | B. Bujji             | X    | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |               |       |
| 8       |         | B. Navaneetha Kumari | X    | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |               |       |
| 9       |         | B. Ramarajaramulu    | X    | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |               |       |
| 10      |         | B. Mahalakshmi       | X    | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |               |       |
| 11      |         | C. Ashok Kumar       | X    | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |               |       |
| 12      |         | C. Suresh            | X    | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |               |       |
| 13      |         | C. Ajay Kumar        | X    | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |               |       |
| 14      |         | C. Swathi            | X    | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |               |       |
| 15      |         | G. Sornama           | X    | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |               |       |
| 16      |         | G. Suresh            | X    | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |               |       |
| 17      |         | G. Venkatesh         | X    | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |               |       |
| 18      |         | G. Nagalakshmi       | X    | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |               |       |
| 19      |         | H. Brahmaiah         | X    | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |               |       |
| 20      |         | J. Jyotsna Priya     | X    | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |               |       |
| 21      |         | K. Ravi              | X    | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |               |       |
| 22      |         | K. Adhilakshmi       | X    | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |               |       |
| 23      |         | M. Adhilakshmi       | X    | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |               |       |
| 24      |         | M. Madhulekamma      | X    | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |               |       |
| 25      |         | M. Suresh            | X    | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |               |       |

*[Signature]*

LECTURER  
DEPARTMENT OF BOTANY  
GOVT. DEGREE COLLEGE  
KUMBOLE

*[Signature]*

LECTURER  
DEPT. OF BOTANY  
PARTMENT DEGREE COLLEGE  
KURNOOL  
PATRONDIA-535 180, Kurnool Dt.

|                      |   |   |    |    |    |    |    |    |    |
|----------------------|---|---|----|----|----|----|----|----|----|
| Number Present Daily | M | E | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
| Initials             | M | E |    |    |    |    |    |    |    |

No. on roll at the beginning of month  
Admitted during the month  
Left No. on roll at end of month  
Average Attendance during the month  
No. on roll during the month


**Model question paper (2020-21)**  
**Floral Arrangement and Bouquet Preparation**

Time 01:30

Maximum Marks: 50

Question paper (10 × 5 marks)

- 1) What is important to consider when making a floral arrangement?
- 2) What is the difference between floral bouquet and arrangement?
- 3) How do you prepare flowers for a bouquet?
- 4) What are the characteristics of flower arrangements?
- 5) Why is color important in flower arrangement?
- 6) What is the most important element in floral design?
- 7) How many types of flowers are in a bouquet?
- 8) What is the purpose of flower arrangement?
- 9) How many steps is a bouquet?
- 10) What three shapes are most popular for bouquets?

  
**LECTURER**  
**DEPARTMENT OF BOTANY**  
**GOVT. DEGREE COLLEGE**  
**PATILKONDA-518 380, Kurnool Dt.**





# Government Degree College

Pattikonda, Kurnool-518380, A.P.

Affiliated to Rayalaseema University (RU) Kurnool

Re-Accredited By NAAC with 'B' Grade

## Department of Botany

### Certificate of Participation

This is to certify that Mr./Miss./Mrs. \_\_\_\_\_

studying \_\_\_\_\_ successfully completed 'A Certificate Course in Floral Arrangement and Bouquet Preparation' Organized by Department of Botany, Government Degree College, Pattikonda, Kurnool(Dt) held from 21-09-2020 to 05-11-2020.

Coordinator

Principal



# Government Degree College, Pattikonda

## Department of Botany

### Final Report of Certificate Course in "Floral Arrangement and Bouquet Preparation"


Floral arrangement and bouquet preparation was organized by the Department of BOTANY for College students. By offering a certificate course in floral arrangement and bouquet preparation for 45 days, the Department of Botany has made a modest start in its effort to teach and enhance the students' practical knowledge of the FLORAL ARRANGEMENT AND BOUQUET PREPARATION. The primary goal of the course, as previously decided, was to impart FLORAL ARRANGEMENT AND BOUQUET PREPARATION knowledge to the departing pupils. The demands of the final year students were taken into consideration when creating the course's fundamental framework. The aforementioned course began on September 21 2020 and ended on November 05, 2020. The pupils' response was very positive. The Seminar Hall was crowded with eager students for its first presentation.

The principal spoke to students and informed them of the significance of technology in both the academic and business spheres. He also praised the work of the department of Botany and complimented K. Sippy Issac HOD, who served as the course architect. The course had a high turnout of students. Regular attendance for the classes, which ran from 05.00 PM to 6:30 PM, was 40 students.

The sessions were engaging, educational, and fascinating. The students were able to comprehend how to learn and understand FLORAL ARRANGEMENT AND BOUQUET PREPARATION with the use of on-site activities, films, handouts, seminars, quizzes, suggested books, and engaging exercises. The students' confidence level was raised via brainstorming sessions, discussions, group exercises, and impromptu presentations. The complete course took place; The Course ran its entire course of 45 days and also took informal inputs from the students for making the course better next time.

After the successful completion of the said Certificate course, a valedictory function was held on November 2020. The Principal of the College graced the occasion. The meeting was presided over by HOD of Botany at end of program K. Sippy Issac Lecturer in Botany proposed the vote of thanks.

  
PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
Kurnool Dist A.P.

  
LECTURER  
DEPARTMENT OF BOTANY  
GOVT. DEGREE COLLEGE  
PATTIKONDA-518 380, Kurnool Dt.

  
Principal  
HEAD  
Department of Botany,  
Government Degree College  
Pattikonda-518 380, Kurnool Dist



# Register of Attendance

YEAR : 2019 TO 2020

Certificate Course  
Attendance Register

# JBW

CHENNAI

from  
A.Y. 2019-20  
A.Y. 2020-21 ✓

Name Tally Course Attendance

Standard DEPARTMENT OF COMMERCE

Town or Village Govt. Degree College,  
PATTIKONDA, Kurnool Dist

Range & District



2020-21

**GOVERNMENT DEGREE COLLEGE, PATTIKONDA**

**Department Of Commerce**

**Minutes of the Department**


**Meeting for the conduct of Certificate Course in Tally**

Date: 23/12/2020

The Department of Commerce, a pioneer in meeting the needs of students, has decided to be a trailblazer for our College's graduating students. The job market, particularly in the financial area, has been booming, and fresh graduates with Tally knowledge are in high demand. The Department of Commerce has taken the initiative to conduct a Certificate Course in Tally, with the simple goal of providing necessary hands on knowledge on Tally to outgoing students.

On the 23/12/2020 the Department of Commerce had a meeting with its members on the College premises. The meeting was chaired by the Head of the Department, T Ganagadhar, and the lecturers in Commerce, H.Purushothamaiah and U Chandra Sekhar, are present. The Department unanimously resolved to organize the Certificate Course in Tally for our College's outgoing final year Degree students under the chairmanship of the Head of Department and under the direction of the principal. It was resolved that the Certificate Course will be held for 45 days. It was also decided to focus more on students from rural backgrounds, and their medium of instruction is Telugu.

1. Sri T Ganagadhar, Head of the Department: T Ganagadhar
2. Sri H.Purushothamayya, Lecturer in Commerce: H. Purushothamaiah
3. Sri U Chandra Sekhar, Lecturer in Commerce: U. Chandra Sekhar



PRINCIPAL  
Govt. Degree College  
PATTIKONDA, Kumool Dist



**GOVERNMENT DEGREE COLLEGE, PATTIKONDA**  
**PROPOSAL FOR THE INTRODUCTION OF CERTIFICATE COURSE IN TALLY**

DATE: 24/12/2020

From,  
T Ganagadhar,  
Lecturer in Commerce,  
Head of Department  
Govt. Degree College  
Pattikonda.

To,  
The Principal,  
Govt. Degree College,  
Pattikonda

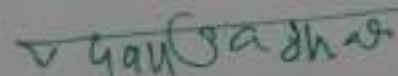
Respected Sir,

I'd like to make a proposal to you regarding the introduction of a Tally Certificate Course for our College's final year degree students. The Department of Commerce has been increasingly aware of the requirements of departing students. From the lowest to the greatest levels of employment, Knowledge in Tally has become the important factor for the commerce students. With all of these considerations in mind, the Department of commerce would like to launch the course.

The details of the program are

- |                                           |                                  |
|-------------------------------------------|----------------------------------|
| 1. Name of the proposed program           | : Tally                          |
| 2. Duration and timings of the program    | : 45 days; 2:30 pm to 4:00pm     |
| 3. Start date of the program              | : <u>2/01/2021 to 27/02/2021</u> |
| 4. Course fee                             | : Nil                            |
| 5. No. of students expected for admission | : 40                             |

Yours faithfully



Head of Department (commerce)

**DEPARTMENT OF COMMERCE**  
Govt. Degree College,  
PATTIKONDA, Kurnool Dist

GOVERNMENT DEGREE COLLEGE, PATTIKONDA.

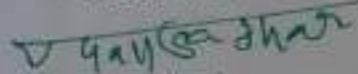
DEPARTMENT OF COMMERCE

Circular

Date:- 28/12/2020

All the B.Com students are hereby informed that the Department of Commerce is going to start a certificate course in 'Tally'. The duration of the course is 45 days. Students need not pay any fee for the course. The classes will commence from 2/01/2021. Interested students are required to register their names in the commerce Department. After successful completion of the course certificate will be provided to the students.

Coordinator

  
(T.Gangadhar)

DEPARTMENT OF COMMERCE  
Govt. Degree College,  
PATTIKONDA, Kurnool Dist

Copy to the Library Notice Board

Copy to the Notice Board

Copy for Circulation among the Students

# GOVERNMENT DEGREE COLLEGE

Pattikonda Kurnool Dist., A.P.

(Affiliated to Rayalaseema University (RU) Kurnool DT.)



## Department of Commerce

### Certificate of Participation

This is to certify that

Mr./Miss./Mrs. \_\_\_\_\_

studying \_\_\_\_\_ successfully completed 'Tally Certificate Course'

Organized by Department of Commerce, Government Degree College, Pattikonda, held  
from \_\_\_\_\_ to \_\_\_\_\_.

  
Coordinator



  
Principal



**Government Degree College, Pattikonda.**  
**Department of Commerce**  
**Final Report of Certification Course in commerce**

Department of Commerce, under the guidance of the Principal came up with idea of Tally for the students of the College. The Department of commerce has made a humble beginning to impart and enrich the students with hands on tally by conducting a certificate course in Tally for the duration of 45 days. As it was resolved earlier, the main thrust of the course was to inculcate knowledge in Tally for the out-going students. The basic structure of the course is prepared keeping in view the needs of the final year students. The said Course was started on 2/1/21 and completed on 3/2/2021

The response from the students was overwhelming. In its introductory session the Seminar Hall was jam-packed and students enthusiastically wanted to be the part of it. the principal, addressed the students intimating them about the importance of Technology in social and corporate realms. He also appreciated the effort of commerce Department and congratulated Sri T Gangadhar, HOD, Commerce Department, who was the guiding force behind the entire course. The number of students attended the Course was good. 20 Students regularly attended the Classes conducted from 2.30 P M to 4.00 PM.

The sessions were interactive, informative and interesting. The usage of hands on, videos, hand-outs, seminars, quiz's, suggestive books and interesting worksheets helped the students to grasp the tips to learn and understand Tally. There were brain-storming sessions, debates, group activities and impromptu presentations which enhanced the confidence level of the students. The Course ran its entire course of 45 days and also took informal inputs from the students for making the course better next time.

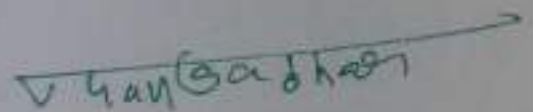
After the successful completion of the said Certificate course, a valedictory function was held on 5/2/2021. The Principal of the College, graced the occasion. The meeting was presided over by the HOD (commerce),

Sri T Gangadhar. In his opening remarks, the Head of the Department explained the need and necessity of introducing the Certificate course. The Principal advised the students to make use of the in-puts given by the Department of commerce. Certificates were distributed to the all 20 students.

At the end of program V. puushothammiah Lecturer in commerce, proposed the vote of thanks.



PRINCIPAL  
Govt. Degree College  
PATTIKONDA, Kurnool Dist



Head of the Department  
(T Ganagadhar)

DEPARTMENT OF COMMERCE  
Govt. Degree College,  
PATTIKONDA, Kurnool Dist



**POWER OF SIMPLICITY**

**Tally.ERP 9 at a Glance**



## syllabus

**Accounting** – It is the most important feature of Tally ERP. the very first thing that comes to anyone's mind after listening about Tally is Accounting.


**Billing** – Billing is a significant part of any business. As and when you pass an accounting entry synchronously a bill is generated which you can use for raising or sending an invoice. Most people believe that Billing is a part of Accounting which is not true when it comes to business. Billing Option present in Tally eliminates the task of entering separate accounting.

**Payroll** – This feature can be used when you have a good number of employees. To maintain Payroll in Tally, functions such as employee groups, employee categories, pay heads, attendance, and course employees are used.

**Banking** – In this era of digitalization, no business can survive without Banking. With the help of Tally ERP, TDS GST both direct and indirect tax can be calculated automatically and its returns will be also be filed online.

**Taxation** – For any business to survive it shouldn't operate in isolation. The Business should work in cooperation with State as well as Central Government by paying appropriate Taxes. Calculation of Taxes based on the income, sale, and dispatch is quite hectic. Tally makes it easy for you to prepare any bill or invoice as it can give VAT, Income Tax, Excise, Customs, Service tax, etc.

**Inventory** – Maintenance of Stock is of utmost importance for any business. It's vital as it gives better control over business sales. Thus, the movement of stock is an integral part that can be kept in control.

  
Head of the Department  
( T. Ganagadhar )

DEPARTMENT OF COMMERCE  
Govt. Degree College,  
BATTIKONDA Kurnool Dist

## Name of the Students Enrolled for Tally Certificate course

| S.No | Admi No. | Name of the Students | class                  | Signature of the Student |
|------|----------|----------------------|------------------------|--------------------------|
| 1    | 5274     | B. Nageshaskar       | 10 <sup>th</sup> B.com | B. Nageshaskar           |
| 2    | 5185     | B. Siddhiah          | "                      | Siddhiah                 |
| 3    | 5186     | B. Mahesh babu       | "                      | Mahesh                   |
| 4    | 5192     | B. Edukondalu        | "                      | B. Edukondalu            |
| 5    | 5193     | B. Surendra          | "                      | Surendra                 |
| 6    | 5272     | C. Murali            | "                      | C. Murali                |
| 7    | 5187     | G. Raj kumar         | "                      | Raj kumar                |
| 8    | 5188     | H. Raj kumar         | "                      | H. Raj kumar             |
| 9    | 5195     | H. Ramanjineyulu     | "                      | H. Ramanjineyulu         |
| 10   | 5189     | H. Veerajineyulu     | "                      | H. Veerajineyulu         |
| 11   | 5190     | P. Shaiksha Vali     | "                      | Shaiksha                 |
| 12   | 5191     | V. Pavan             | "                      | V. Pavan                 |
| 13   | 5194     | D. Kalyan.           | "                      | D. Kalyan                |
| 14   | 5304     | B. C. Ram Mohan      | 11 B.com               | B. C. Ram Mohan          |
| 15   | 5309     | B. Prakash           | "                      | Prakash                  |
| 16   | 5306     | E. Rajesh Goud       | "                      | E. Rajesh Goud           |
| 17   | 5310     | K. Sulochana         | "                      | K. Sulochana             |
| 18   | 5308     | S. Khasim Vali       | "                      | S. Khasim Vali           |
| 19   | 5305     | S. Sai Viswanath     | "                      | S. Sai Viswanath         |
| 20   | 5312     | S. Mansoor Basha     | "                      | S. Mansoor Basha         |
| 21   | 5374     | G. Madhu             | "                      | G. Madhu                 |
| 22   | 5301     | K. Sarojamma         | "                      | K. Sarojamma             |
| 23   | 5300     | M. Mahan             | "                      | M. Mahan                 |
| 24   | 5303     | M. Sai Meghana       | "                      | M. Sai Meghana           |
| 25   | 5302     | B. Surendra          | "                      | B. Surendra              |

*V. Hanu Sathya*  
Signature of The In Charge

DEPARTMENT OF COMMERCE  
Govt. Degree College,  
PATTIKONDA, Kurnool Dist

Certificate course in Tally from 21/12/2020 to 21/01/2021

# REGISTER OF ATTENDANCE & FEES

FOR THE MONTH OF January

2021

Name of the Institute Govt. Degree College

Section Tally Certificate course Place Pattadak

| Sl. No. | Names                 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | No. of days Present | FEES | Rs. | P. |
|---------|-----------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---------------------|------|-----|----|
| 1       | 5220 K. Nageshwar     | x | x |   | x | x | x | x |   |   |    |    |    |    | x  | x  | x  | x  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |     |    |
| 2       | 5180 B. Sridhar       | x | x |   | x | x | x | x |   |   |    |    |    |    | x  | x  | x  | x  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |     |    |
| 3       | 5180 B. Mahesh Babu   | x | x |   | x | x | x | x |   |   |    |    |    |    | x  | x  | x  | x  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |     |    |
| 4       | 5180 B. Eshwaraiah    | x | x |   | x | x | x | x |   |   |    |    |    |    | x  | x  | x  | x  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |     |    |
| 5       | 5180 B. Suresh        | x | x |   | x | x | x | x |   |   |    |    |    |    | x  | x  | x  | x  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |     |    |
| 6       | 5230 C. Suresh        | x | x |   | x | x | x | x |   |   |    |    |    |    | x  | x  | x  | x  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |     |    |
| 7       | 5187 G. Raj Kumar     | x | x |   | x | x | x | x |   |   |    |    |    |    | x  | x  | x  | x  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |     |    |
| 8       | 5180 H. Raj Kumar     | x | x |   | x | x | x | x |   |   |    |    |    |    | x  | x  | x  | x  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |     |    |
| 9       | 5180 H. Ramalingam    | x | x |   | x | x | x | x |   |   |    |    |    |    | x  | x  | x  | x  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |     |    |
| 10      | 5180 H. Venkateshwar  | x | x |   | x | x | x | x |   |   |    |    |    |    | x  | x  | x  | x  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |     |    |
| 11      | 5180 P. Shakti Kumar  | x | x |   | x | x | x | x |   |   |    |    |    |    | x  | x  | x  | x  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |     |    |
| 12      | 5180 V. Suresh        | x | x |   | x | x | x | x |   |   |    |    |    |    | x  | x  | x  | x  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |     |    |
| 13      | 5180 D. Suresh        | x | x |   | x | x | x | x |   |   |    |    |    |    | x  | x  | x  | x  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |     |    |
| 14      | 5180 B. C. Ram Mohan  | x | x |   | x | x | x | x |   |   |    |    |    |    | x  | x  | x  | x  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |     |    |
| 15      | 5180 B. Prakash       | x | x |   | x | x | x | x |   |   |    |    |    |    | x  | x  | x  | x  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |     |    |
| 16      | 5180 E. Rakesh Kumar  | x | x |   | x | x | x | x |   |   |    |    |    |    | x  | x  | x  | x  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |     |    |
| 17      | 5180 H. Suresh        | x | x |   | x | x | x | x |   |   |    |    |    |    | x  | x  | x  | x  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |     |    |
| 18      | 5180 S. Lakshmi Devi  | x | x |   | x | x | x | x |   |   |    |    |    |    | x  | x  | x  | x  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |     |    |
| 19      | 5180 S. Sri Viswanath | x | x |   | x | x | x | x |   |   |    |    |    |    | x  | x  | x  | x  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |     |    |
| 20      | 5180 S. Manoj Kumar   | x | x |   | x | x | x | x |   |   |    |    |    |    | x  | x  | x  | x  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |     |    |
| 21      | 5180 G. Madhu         | x | x |   | x | x | x | x |   |   |    |    |    |    | x  | x  | x  | x  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |     |    |
| 22      | 5180 V. Suresh Kumar  | x | x |   | x | x | x | x |   |   |    |    |    |    | x  | x  | x  | x  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |     |    |
| 23      | 5180 Mr. Manoj        | x | x |   | x | x | x | x |   |   |    |    |    |    | x  | x  | x  | x  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |     |    |
| 24      | 5180 H. Sri Venkatesh | x | x |   | x | x | x | x |   |   |    |    |    |    | x  | x  | x  | x  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |     |    |
| 25      | 5180 B. Suresh        | x | x |   | x | x | x | x |   |   |    |    |    |    | x  | x  | x  | x  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |     |    |

*(Signature)*  
R. BANGADHAR  
Lecturer in Commerce  
Govt. Degree College,  
PATTADUR, HUBLI-580001

Number Present Only

Signature

No. of days in the beginning of month

Admitted during the month

Left during the month

No. of working days

Average attendance during the month

No. of days during the month

100%



# REGISTER OF ATTENDANCE & FEES

## FOR THE MONTH OF Feb 2021

### FOR THE MONTH OF Feb 2021

Feb

2021

Name of the Institute Govt.

Govt. Degree College

Sectionally Certificate Course

Place Pattikonda

| Sl. No. | NAME                  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | Total Days Present | Fees |  | Date of Payment |
|---------|-----------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------------------|------|--|-----------------|
|         |                       |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                    |      |  |                 |
| 1       | 5274 B. Abhishek      | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X                  |      |  |                 |
| 2       | 5275 B. Siddhant      | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X                  |      |  |                 |
| 3       | 5276 B. Babar Khan    | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X                  |      |  |                 |
| 4       | 5277 B. Lakshmi       | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X                  |      |  |                 |
| 5       | 5278 B. Suresh        | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X                  |      |  |                 |
| 6       | 5279 C. Harish        | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X                  |      |  |                 |
| 7       | 5280 G. Raj Kumar     | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X                  |      |  |                 |
| 8       | 5281 H. Raj Kumar     | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X                  |      |  |                 |
| 9       | 5282 H. Ramalingam    | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X                  |      |  |                 |
| 10      | 5283 N. Anurag        | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X                  |      |  |                 |
| 11      | 5284 P. Shiksha       | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X                  |      |  |                 |
| 12      | 5285 V. Anurag        | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X                  |      |  |                 |
| 13      | 5286 G. Kalpana       | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X                  |      |  |                 |
| 14      | 5287 E. C. Ram Mohan  | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X                  |      |  |                 |
| 15      | 5288 B. Prakash       | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X                  |      |  |                 |
| 16      | 5289 E. Rakesh        | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X                  |      |  |                 |
| 17      | 5290 K. Sulekha       | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X                  |      |  |                 |
| 18      | 5291 S. Krishna       | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X                  |      |  |                 |
| 19      | 5292 S. Sri Venkatesh | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X                  |      |  |                 |
| 20      | 5293 S. Manoj         | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X                  |      |  |                 |
| 21      | 5294 G. Anurag        | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X                  |      |  |                 |
| 22      | 5295 M. Sathya        | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X                  |      |  |                 |
| 23      | 5296 M. Sathya        | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X                  |      |  |                 |
| 24      | 5297 M. Sathya        | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X                  |      |  |                 |
| 25      | 5298 M. Sathya        | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X                  |      |  |                 |
| 26      | 5299 B. Sathya        | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X                  |      |  |                 |

GANGADHAR  
Principal  
Govt. Degree College,  
PATTIKONDA, Khammam

GANGADHAR  
Principal  
Govt. Degree College,  
PATTIKONDA, Khammam

Number Present Daily

M

E

Signature

M

E

No. of working days

Average Attendance during the month

No. of abs. during the month

100

GOVERNMENT DEGREE COLLEGE  
PATTIKONDA  
KURNOOL(Dt)  
DEPARTMENT OF CHEMISTRY  
CERTIFICATE COURSE  
2020--2021



Lecturer In-Charge  
Department of Chemistry  
GOVT. DEGREE COLLEGE,  
PATTIKONDA, Kurnool Dist.



PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
Kurnool Dist A P

**GOVERNMENT DEGREE COLLEGE, PATTIKONDA**  
**PROPOSAL FOR THE INTRODUCTION OF CERTIFICATE COURSE IN**  
water analysis

DATE: 23/10/2020

From  
B. Krupender Reddy  
Lecturer in Chemistry  
Head of Department  
Govt. Degree College  
Pattikonda, Kurnool (Dt).

To  
The Principal,  
Govt. Degree College, Pattikonda  
Kurnool (Dt).

Respected Sir,

I would want to suggest that our college hold a certificate programme water analysis. The demands of departing students are now more regularly communicated to the Department of Chemistry. From the lowest to the highest levels of employment, water analysis has become helpful to students. The Department of Chemistry is excited to start the course taking into account all of these factors.

The details of the program are

1. Name of the proposed program
2. Duration and timings of the program
3. Start date of the program
4. Course fee
5. No. of students expected for admission

: water analysis  
: 45 days  
: 02/11/2020  
: NIL  
: 30

Yours faithfully

B. Krupender Reddy  
Head of Department Chemistry  
Department of Chemistry  
GOVT. DEGREE COLLEGE  
PATTIKONDA, Kurnool Dist.



GOVERNMENT DEGREE COLLEGE, PATTIKONDA

Department Of Chemistry

Minutes of the Department meeting for the conduct of  
Certificate Course in water analysis

Date: 2/11/2020

The Department of Chemistry, a leader in catering to student needs, has made the decision to widen opportunities for individuals graduating from our College. There is a considerable need for new graduates with practical skills due to the expanding job market, which has been particularly visible in the environment sector. With the straightforward objective of equipping graduating students with the requisite practical environment abilities, the Department of Chemistry has taken the initiative to provide a Certificate Course in Water analysis.

On 2/11/2020, the Department of Chemistry held a meeting with its members on the College's property. The conference was led by the department head, B. Krupender Reddy and attended by, Dr. Venkatesh, and B. Venkanna lecturers in Chemistry. The Department unanimously decided to organize the Certificate Course in water analysis for degree-seeking students at our College, with the lecturers serving as the course instructors and the Department Head serving as chairman. As promised, the Certificate Course would span 45 days.

1. Sri B. Krupender Reddy Head of the Department :
2. Sri B. Venkatesh, Lecturer in Chemistry :
3. Sri B. Venkanna Lecturer in Chemistry :

  
PRINCIPAL  
GOVT. DEGREE COLLEGE  
PATTIKONDA-518 380  
Kurnool Dist. A.P.

Government DEGREE COLLEGE, PATTIKONDA.

DEPARTMENT OF CHEMISTRY.

Circular

Date: 20/10/2020

All the B.Sc(BZGMC) final year degree students are hereby informed that the Department of Chemistry is going to start a certificate course in 'Water analysis'. The duration of the course is 45 days. Students need not pay any fee for the course. The classes will commence from 02/11/2020. Interested students are required to register their names in the Chemistry Department. After successful completion of the course certificate will be provided to the students.

  
Coordinator  
Lecturer in Charge  
Department of Chemistry  
GOVT. DEGREE COLLEGE,  
PATTIKONDA, Kumool Dist.

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Govt. Degree college, Pattikonda.  
Department of Chemistry  
Certificate Course in Water analysis  
Syllabus

Theory: 30 hrs

UNIT: I Importance and unique properties of water  
Types of water pollutants: 06 hrs

organic pollutants; oxygen demanding wastes,  
disease causing agents.

Inorganic pollutants: Inorganic salts, mineral  
acids, finely divided metals and trace elements,  
metal complexes.

UNIT II water quality standards: Quality of ground  
water, water quality criteria given by CPCB for  
drinking water, testing characteristics of drinking water, 08 hrs

UNIT III Theory on Preparation of reagents and  
Standard solutions for water analysis, Standard  
 $H_2SO_4$ , Standard KCl solution, EDTA solution, Standard  $MgSO_4$   
solution, NaOH solution, Buffer solution, Eriochrome Black-T  
Indicator solution, Standard NaCl solution, Standard  
 $AgNO_3$  solution. 16 hrs



Govt. Degree College, Pattikonda

Model Question Paper

Certificate Course on "Water Analysis"

Time: 2 hrs

Max. marks : 50

Section - A

3X10 = 30M

Answer any three questions <sup>Each question</sup> carries ten marks


- 1.
- 2.
- 3.
- 4.
- 5.

Section - B

4X5 = 20M

Answer any four questions each question carries five marks

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.

  
Lecturer In-Charge  
Department of Chemistry  
GOVT. DEGREE COLLEGE,  
PATTIKONDA, KURNOOL Dist.  
Govt degree college,  
Pattikonda

### III B.Sc (M.P.C & B.Z.C)

Students List Registered for Certificate Course 2020-21

| S.No | Name of the Student. |
|------|----------------------|
| 1    | A. Puspha Latha      |
| 2    | B. Geethanjali       |
| 3    | B. Madhu Babu        |
| 4    | B. Mallika           |
| 5    | B. Bujji             |
| 6    | B. Naveen Kumar      |
| 7    | B. Ramanjaneyulu     |
| 8    | B. Mahalakshmi       |
| 9    | C. Ashok Kumar       |
| 10   | C. Suresh            |
| 11   | C. Ajay Kumar        |
| 12   | C. Swathi            |
| 13   | G. Suvarna           |
| 14   | G. Surendra          |
| 15   | K. Ravi              |
| 16   | M. Adilakshmi        |
| 17   | A. Saleem Bagha      |
| 18   | S. Vijay Kumar       |
| 19   | T. Ravi Kumar        |
| 20   | T. Shanthi           |
| 21   | T. Indraje           |
| 22   | U. Sumalatha         |
| 23   | B. Ashok             |
| 24   | A. Bhaskar           |
| 25   | B. Jagannath         |
| 26   | K. Veeraji           |
| 27   | K. Mallikarjuna      |
| 28   | K. Lingamurthi       |
| 29   | M. Balasaji          |
| 30   | T. Nabil Ahsan       |

B  
Lecturer in Charge  
Department of Chemistry  
GOVT. DEGREE COLLEGE,  
PATTIKONDA, Kurnool Dist.







[illegible]



Gout. Degree college, Pattikonda

Department of Chemistry

## Final Report of Certificate Course in water analysis

A majority of the ~~people~~ students completed the course 45 days. The water quality management in India is performed under the provision of Water (Prevention and Control of Pollution) Act, 1974. The basic objective of this Act is to maintain and restore the wholesomeness of national aquatic resources by prevention and control of pollution. The Act prescribes various functions for the Central Pollution Control Board (CPCB).

Poor water quality has its most direct impact on aquatic wildlife, particularly fish, bugs and plants. Excess nutrients, sediment, road salt, and other contaminants can reduce the variety and hardness of organisms living in the states' waters.

Hence, Department of Chemistry has decided to introduce Certificate Course in Water Analysis to enhance proficiency and practical knowledge in Water Chemistry, with the humble intention of imparting necessary knowledge on water analysis and quality parameters of water to the outgoing students. The course started on 02/11/2020 and completed on 18/12/2020. The Certificate course was conducted for a period of 45 days with 30 hours of theory and 15 hours of practicals from 3.00 pm to 4.00 pm off the college hours.

Lecturer in Charge  
Department of Chemistry  
Gout. Degree College,  
Pattikonda, Kurnool Dist.





# GOVERNMENT DEGREE COLLEGE

PATTIKONDA, KURNOOL-518380, A.P.

AFFILIATED TO RAYALASEEMA UNIVERSITY (RU) KURNOOL

RE-ACCREDITED BY NAAC WITH 'B' GRADE

Department of Chemistry

## Certificate Of Participation


This is to certify that Mr./Miss./Mrs. \_\_\_\_\_ studying

\_\_\_\_\_ successfully completed ' \_\_\_\_\_ ,

Organized by Department of \_\_\_\_\_, Government Degree College,

Pattikonda, Kurnool(Dt) held from 2/11/2020 to 20/11/2020.

  
Coordinator  
Lecturer in Charge  
Department of Chemistry  
GOVERNMENT DEGREE COLLEGE,  
PATTIKONDA, Kurnool Dist.

  
Principal  
GOVT. DEGREE COLLEGE  
PATTIKONDA-518380  
Kurnool Dist. A.P.



**GOVERNMENT DEGREE  
COLLEGE  
PATTIKONDA, KURNOOL(DT)  
DEPARTMENT OF ECONOMICS  
CERTIFICATE COURSE  
2020-2021**

**GOVERNMENT DEGREE COLLEGE, PATTIKONDA**  
**PROPOSAL FOR THE INTRODUCTION OF CERTIFICATE COURSE IN**  
**Rural Entrepreneurship Opportunities, Finance and Marketing**

DATE: 20-10-2020

From  
B.Jayachandrudu,  
Lecturer in Economics,  
Govt. Degree College  
Pattikonda, Kurnool (Dt).

To  
The Principal,  
Govt. Degree College, Pattikonda  
Kurnool (Dt).

Respected Sir,

The department of Economics wishes to conduct a certificate course Rural Entrepreneurship opportunities, finance and marketing Keeping in view employment opportunities in rural entrepreneurship. More over the course is aimed eradicating unemployment in rural areas. The course content is designed to create awareness on opportunities, finance and marketing in rural entrepreneurship. In this regard the proposal may please be accepted and permission may be accorded.

The details of the program are

- |                                          |                            |
|------------------------------------------|----------------------------|
| 1. Name of the proposed program          | : Certificate Course       |
| 2. Duration and timings of the program   | : 45 days                  |
| 3. Start date of the program             | : 27.10.2020 to 12.12.2020 |
| 4. Course fee                            | : Nil                      |
| 5. No of students expected for admission | : 20                       |

Yours faithfully

*B. Jayachandrudu*  
Department Of Economics  
Govt. Degree College  
PATTIKONDA 518 380 Kurnool(Dt)

**GOVERNMENT DEGREE COLLEGE, PATTIKONDA**

**Department Of Economics**

**Minutes of the Department meeting for the conduct of  
Certificate Course in Rural Entrepreneurship Opportunities, Finance and  
Marketing**

Date: 20-10-2020

The Department of Economics is sincere to cater the needs of students has made the decision to widen opportunities for individuals graduating from our College. There is a considerable need for new graduates to enhance their see employability skills due to the expanding job market, which has been particularly visible in the Rural Entrepreneurship. With the straightforward objective of equipping graduating students with the requisite practical Knowledge and abilities, the Department of Economics has taken the initiative to provide a Certificate Course in Rural Entrepreneurship Opportunities, Finance and Marketing.

The faculty of the department unanimously decided to organize the Certificate Course in Rural Entrepreneurship Opportunities, Finance and Marketing for degree-seeking students at our college, with the lecturers serving as the course instructors and the Department Head serving as chairman. As promised, the Certificate Course would span 45 days.

1. Sri B.Jayachandrudu, Head of the Department
2. Sri Dr. Venkata Narsaiah, Lecturer in Political Science
3. Sri Venkata Krishna ,Lecturer in History

  
Principal  
GOVT DEGREE COLLEGE  
PATTIKONDA-518 360  
Kurnool Dist A.P



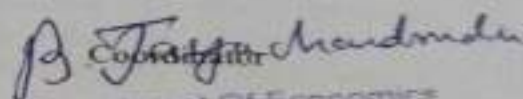
**Government DEGREE COLLEGE, PATTIKONDA.**

**DEPARTMENT OF ECONOMICS**

**Circular**

Date: 29-10-2020

All the BA., HEP final year degree students are hereby informed that the Department of Economics is going to start a certificate course in ' **Rural Entrepreneurship Opportunities, Finance and Marketing** '. The duration of the course is 45 days. Students need not pay any fee for the course. The classes will commence from 27-10-2020 to 18-12-2020. Interested students are required to register their names in the Economics Department. After successful completion of the course certificate will be provided to the students.

  
Coordinator  
Department Of Economics  
Government Degree College  
PATTIKONDA - 518 380 Kurnool Dist.

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## CERTIFICATE COURSE IN ECONOMICS

Topic: Rural Entrepreneurship Opportunities, Finance and  
Marketing

### Syllabus

#### Module – I:

##### **New Entrepreneurship Opportunities-**

New Entrepreneurship Opportunities in Farm Sector: Organic Farm Products, Nutri-Cereals, Horticultural Products, Forest Produce, Medicinal Plant Products-New Entrepreneurship Opportunities in Rural Non-farm sector: Poultry ,Aquaculture ,Sericulture ,Honeybee , Mushrooms Cultivation ,Handicrafts.

#### Module – II:

##### **Financing and Marketing for Rural Entrepreneurship:**

Financing the Rural Entrepreneurship: Products to obtain formal loans from banks and other institutions – Preparation of Detailed Project Report for Loan -New Avenues of Finance: Crowding Funding and Venture Capital -Marketing of Rural Products: Market Survey, Demand Forecasting, Marketing Strategies, Branding, Planning and Promotion, Digital and Social Media Marketing

*B. Jayachandran*  
Department Of Economics  
Government Degree College  
PATTIKONDA 518 380 Kurnool(Dist.)

**Model question paper (2020-21)**

**Rural Entrepreneurship Opportunities, Finance and Marketing certificate course**

**Time 01:30**

**Maximum marks :50**

**Each question carries 10 marks (10\*5)**

1. What are the opportunities in farm sector?
2. Explain Importance of Non-farm sector?
3. Write about Finance source of New Rural entrepreneurship?
4. Explain how to prepare detailed project report for loan?
5. What are the difference between digital and social media marketing.
6. Importance of Aquaculture.
7. write about Market strategies.
8. Explain about crowd funding.

*B. Jayachandran*  
Department Of Economics  
Government Degree College  
PATTIKONDA- 518 380 (Kandukudla Dist.)



Students List Registered For 2020-21

| S.No | Admission No | NAME OF THE STUDENT | CLASS      | Signature of the student |
|------|--------------|---------------------|------------|--------------------------|
| 1    | 5239         | B.Mahesh            | III BA HEP | B.mahesh                 |
| 2    | 5260         | B.Vijaya Kumar      | III BA HEP | B.vijayakumar            |
| 3    | 5270         | G.Yaduvamsi         | III BA HEP | G.yaduvamsi              |
| 4    | 5174         | K.Anjaneyulu        | II BA HEP  | K.anjaneyulu             |
| 5    | 5175         | K.Rajesh            | II BA HEP  | K.rajesh                 |
| 6    | 5176         | M.Sanjeevakarna     | II BA HEP  | M.sanjeevakarna          |
| 7    | 5177         | M.Rajasekhar        | III BA HEP | M.rajasekhar             |
| 8    | 5178         | N.Lokesh Naik       | III BA HEP | N.lokesh naik            |
| 9    | 5267         | N.Upendra Naik      | III BA HEP | N.upendra naik           |
| 10   | 5179         | P.Venkatesh         | II BA HEP  | P.venkatesh              |
| 11   | 5180         | P.Kaseem Vali       | III BA HEP | P.kaseem vali            |
| 12   | 5182         | T.Sreedhar          | III BA HEP | T.sreedhar               |
| 13   | 5183         | U.Naresh            | III BA HEP | U.naresh                 |
| 14   | 5251         | U.Shantha Kumar     | II BA HEP  | U.shantha kumar          |
| 15   | 5184         | U.Narendra          | II BA HEP  | U.narendra               |
| 16   | 5276         | G.Gopala Krishna    | II BA HEP  | G.gopala krishna         |
| 17   | 5285         | J.Yellamma          | II BA HEP  | J.yellamma               |
| 18   | 5286         | U.Sandhya           | II BA HEP  | U.sandhya                |
| 19   | 5290         | M.Suresh            | II BA HEP  | M.suresh                 |
| 20   | 5292         | P.Ravikumar         | II BA HEP  | P.ravikumar              |

B. Jayachandrasekhar  
 Department Of Economics  
 Government Degree College  
 PATTIKONDA, 515 200, Kurnool Dist.

# Attendance Sheet 2020-21 Certificate Programme

| S. No | Names of the Students | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|-------|-----------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1     | B.Mahesh              | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 2     | B.Vijaya Kumar        | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 3     | G.Yaduvamsi           | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 4     | K.Anjaneyulu          | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 5     | K.Rajesh              | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 6     | M.Sanjeevaka rna      | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 7     | M.Rajasekhar          | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 8     | N.Lokesh Naik         | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 9     | N.Upendra Naik        | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 10    | P.Venkatesh           | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 11    | P.Kaseem Vali         | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 12    | T.Sreedhar            | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 13    | U.Naresh              | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 14    | U.Shantha Kumar       | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 15    | U.Narendra            | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 16    | G.Gopala Krishna      | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 17    | J.Yellamma            | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 18    | U.Sandhya             | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 19    | M.Suresh              | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 20    | P.Ravikumar           | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |

B. Jayachandrudu  
 Department Of Economics  
 Government Degree College  
 PATTIKONDA 518 380 Kurnool Dist



| S. No | Names of the Students | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 |
|-------|-----------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1     | B. Mahesh             | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 2     | B. Vijaya Kumar       | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 3     | G. Yaduvamsi          | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 4     | K. Anjaneyulu         | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 5     | K. Rajesh             | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 6     | M. Sanjeevaka rna     | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 7     | M. Rajasekhar         | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 8     | N. Lokesh Naik        | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 9     | N. Upendra Naik       | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 10    | P. Venkatesh          | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 1     | P. Kaseem Vali        | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 2     | T. Sreedhar           | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 3     | U. Naresh             | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 4     | U. Shantha Kumar      | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 5     | U. Narendra           | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 6     | G. Gopala Krishna     | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 7     | J. Yellamma           | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 8     | U. Sandhya            | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 9     | M. Suresh             | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |
| 10    | P. Ravikumar          | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |

B. Jayachandrudu

Department Of Economics  
Government Degree College  
PATTIKONDA - 515 200 (Kandukuru)



## CLASS on Certificate Course 2020-2021



**Government Degree College, Pattikonda**

**Department of Economics**

**Final Report of Certification Course in Rural Entrepreneurship Opportunities,  
Finance and Marketing**

By offering a certificate course in Rural Entrepreneurship Opportunities, Finance and Marketing for 45 days, the Department of Economics has made a modest start in its effort to teach and enhance the students with knowledge on Rural Entrepreneurship. The primary goal of the course, as previously decided, was to impart knowledge about Rural Entrepreneurship to the departing pupils. The demands of the final year students are taken into consideration while framing the course's fundamental framework. The aforementioned course began on October 27, 2020, and ended on December 9, 2020. The pupils' response was very positive.

The principal, B. Krupendar Reddy, spoke to the students and informed them of the significance of Agriculture and Industries. He also appreciated the work of the department and complimented Dr. B. Jayachandrudu, HOD, who served as the course's architect. The course had a high turnout of students. Regular attendance for the classes, which ran from 05.00 PM to 6:30 PM, was 20 students.

The sessions were engaging, educational, and fascinating. The students were able to comprehend how to learn and understand Finance and Marketing with the use of handouts, seminars, quizzes, suggested books, and engaging exercises. The pupils' confidence level was raised via brainstorming sessions, discussions, group exercises, and imprompt presentations. The complete course took place. The Course ran its entire course of 45 days and also took informal inputs from the students for making the course for next time.

After the successful completion of the said Certificate course, a valedictory function was held on December 18, 2020. The Principal of the College, Sri Sri B. Krupendar Reddy graced the occasion. The meeting was presided over by the HOD (Economics), Sri B. Jayachandrudu. At the end of program Sri Venkata Narsaiah, Lecturer in Political Science, proposed the vote of thanks.

*B. Jayachandrudu*  
Department Of Economics  
Government Degree College  
PATTIKONDA - 518 380 Kurnool(Dist.)



# GOVERNMENT DEGREE COLLEGE

PATTIKONDA, KURNOOL-518380, A.P.  
AFFILIATED TO RAYALASEEMA UNIVERSITY (RU) KURNOOL  
RE-ACCREDITED BY NAAC WITH 'B' GRADE

## Department of Economics

### Certificate Of Participation

This is to certify that Mr./Miss./Mrs \_\_\_\_\_ studying  
\_\_\_\_\_ successfully completed ' \_\_\_\_\_ ,

organized by Department of Economics, Government Degree College, Pattikonda,  
Kurnool (Dt) held from \_\_\_\_\_ to \_\_\_\_\_.

*P. Jayachandran*

**Coordinator**  
Department of Economics  
Government Degree College  
PATTIKONDA - 518 380 Kurnool Dist.

*P. Jayachandran*  
**Principal**  
GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
Kurnool Dist A.P.



**GOVERNMENT DEGREE COLLEGE, PATTIKONDA**  
**PROPOSAL FOR THE INTRODUCTION OF CERTIFICATE COURSE IN**  
**Journalistic Reporting and Editing Techniques**

DATE: 15-12-2020

From  
 Sri .krishnanaih  
 Lecturer in History,  
 Head of Department  
 Govt. Degree College  
 Pattikonda, Kurnool (Dt).

To  
 The Principal,  
 Govt. Degree College, Pattikonda  
 Kurnool (Dt).

Respected Sir,

I would want to suggest that our college hold a certificate programme IIIBA., HEP The demands of departing students are now more regularly communicated to the Department of History. From the lowest to the highest levels of employment, Skills has become useful students. The Department of History is excited to start the course considering all of these factors.

The details or the program are

- |                                          |                                        |
|------------------------------------------|----------------------------------------|
| 1. Name of the proposed program          | : Certificate Course                   |
| 2. Duration and timings of the program   | : 30 days                              |
| 3. Start date of the program             | : Decemebr 12 2020 to February 02-2021 |
| 4. Course fee                            | : Nil                                  |
| 5. No of students expected for admission | : 25                                   |

Yours faithfully

*V. Krishnaiiah*

Lecturer in History,  
 Head of the Department  
 GOVT. DEGREE COLLEGE,  
 PATTIKONDA, Kurnool Dist.  
 (History)

**GOVERNMENT DEGREE COLLEGE, PATTIKONDA**  
**Department Of History**  
**Minutes of the Department meeting for the conduct of**  
**Certificate Course in Journalistic Reporting and Editing Techniques**

Date: 15-12-2020

The Department of History, a leader in catering to student needs, has made the decision to widen opportunities for individuals graduating from our college. There is a considerable need for new graduates with employability skills due to the expanding job market, which has been particularly visible in the **Journalistic Reporting and Editing Techniques**. With the straightforward objective of equipping graduating students with the requisite practical Knowledge and abilities, the Department of History has taken the initiative to provide a Certificate Course in **Journalistic Reporting and Editing Techniques**. On 10-08-2018, the Department of History held a meeting, with its members on the College's property. The conference was led by the department head, Krishnanaiah, and attended by, H.Marrismwamy lecturer in Economics, and H.Ramanji lecturers in Political Science. The Department unanimously decided to organize the Certificate Course in **Journalistic Reporting and Editing Techniques** for degree-seeking students at our college, with the lecturers serving as the course instructors and the Department Head serving as chairman. As promised, the Certificate Course would span 45 days.

1. Sri Krishnanaiah, Head of the Department
2. Sri H.Ramanji, Lecturer in Political Science
3. Sri H.Marrismwamy, Lecturer in Economics

  
**PRINCIPAL**  
**GOVT DEGREE COLLEGE**  
**PATTIKONDA-518 380**  
**Kurnool Dist A P**

Government DEGREE COLLEGE, PATTIKONDA.

DEPARTMENT OF History

Circular

Date: 16-12-2020

All the BA., HEP final year degree students are hereby informed that the Department of History is going to start a certificate course in **Journalistic Reporting and Editing Techniques**. The duration of the course is 30 days. Students need not pay any fee for the course. The classes will commence from 23-12-2020. Interested students are required to register their names in the History Department. After successful completion of the course certificate will be provided to the students.

Coordinator

V. Krishnaiah

Lecturer in History,  
GOVT. DEGREE COLLEGE,  
PATTIKONDA, Kurnool Dist.

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Syllabus

## **Journalistic Reporting and Editing Techniques**

### Unit-I

Definition of Journalism, Reporting and editing-History of Indian press and Newspapers-

Printing Revolution-Importance of print electronic media

### Unit-II

Source of News-Types of news and news Writing-Principles of Reporting-reporting techniques-  
problem in reporting-qualities of reporter

**Model question paper (2020-2021)****Journalistic Reporting and Editing Techniques****Maximum marks :50****I Answer any three Questions****3x10=30 marks**

1. Definition of Journalism and History of Indian press?
2. Explain Importance of print and electronic media?
3. Explain types of news and news Writing?
4. What are the problems in reporting?

**II Answer any Four Questions****4 x5=20 marks**

1. Electronic media
2. Importance of language
3. Indian news agencies
4. Importance of photography
5. Qualities of Reporter.

Students List Registered For 2020-2021

| S.No | NAME OF THE STUDENT |
|------|---------------------|
| 1    | G.gopal Krishna     |
| 2    | M.Manohar           |
| 3    | P.surendra          |
| 4    | G.Ramanjaneyulu     |
| 5    | M.Ravi prakash      |
| 6    | K.Rajasekhar        |
| 7    | B.Ramanjaneyulu     |
| 8    | p.pandu             |
| 9    | j.yellamma          |
| 10   | U.sandya            |
| 11   | M.jyothi            |
| 12   | P.Narasimhanaidu    |
| 13   | M.Suresh            |
| 14   | C.Mallikarjuna      |
| 15   | P.Ravi kumar        |
|      |                     |
|      |                     |



| Sl. No | Names of the Students |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
|--------|-----------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|
|        |                       | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 1      | G.gopal Krishna       | X |   | X | X | X | X | X | X |   | X  | X  | X  | X  |    | X  |    | X  | X  | X  | X  |
| 2      | M.Manohar             | X |   | X | X | X | X | X | X |   | X  | X  | X  | X  |    | X  |    | X  | X  | X  | X  |
| 3      | P.surendra            | X |   | X | X | X | 0 | X | X |   | X  | X  | X  | X  |    | X  |    | X  | X  | X  | X  |
| 4      | G.Ramanjaneyulu       | X |   | X | X | X | X | X | X |   | X  | X  | X  | X  |    | X  |    | X  | X  | X  | X  |
| 5      | M.Ravi prakash        | X |   | X | X | X | X | X | X |   | X  | X  | X  | X  |    | X  |    | X  | X  | X  | X  |
| 6      | K.Rajasekhar          | X |   | X | X | X | X | X | X |   | X  | X  | X  | X  |    | X  |    | X  | X  | X  | X  |
| 7      | B.Ramanjaneyulu       | X |   | X | X | X | 0 | X | X |   | X  | X  | X  | X  |    | X  |    | X  | X  | X  | X  |
| 8      | p.pandu               | X |   | X | X | X | X | X | X |   | X  | X  | X  | X  |    | X  |    | X  | X  | X  | X  |
| 9      | j.yellamma            | X |   | X | X | X | X | X | X |   | X  | X  | X  | X  |    | X  |    | X  | X  | X  | X  |
| 10     | U.sandya              | X |   | X | X | X | X | X | X |   | X  | X  | X  | X  |    | X  |    | X  | X  | X  | X  |
| 11     | M.jyothi              | X |   | X | X | X | X | X | X |   | X  | X  | X  | X  |    | X  |    | X  | X  | X  | X  |
| 12     | P.Narasimhanaidu      | X |   | X | X | X | X | X | X |   | X  | X  | X  | X  |    | X  |    | X  | X  | X  | X  |
| 13     | M.Suresh              | X |   | X | X | X | X | X | X |   | X  | X  | X  | 0  |    | X  |    | X  | X  | X  | X  |
| 14     | C.Mallikarjun         | X |   | X | X | X | X | X | X |   | X  | X  | X  | X  |    | X  |    | X  | X  | X  | X  |
| 15     | P.Ravi kumar          | X |   | X | X | X | X | X | X |   | X  | X  | X  | X  |    | X  |    | X  | X  | X  | X  |

12-12-2020  
 13-12-2020  
 14-12-2020  
 15-12-2020  
 16-12-2020  
 17-12-2020  
 18-12-2020  
 19-12-2020  
 20-12-2020  
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 22-12-2020  
 23-12-2020  
 24-12-2020  
 25-12-2020  
 26-12-2020  
 27-12-2020  
 28-12-2020  
 29-12-2020  
 30-12-2020  
 31-12-2020  
 1-1-2021  
 2-1-2021

| S. No | Names of the Students | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 |
|-------|-----------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1     | G.gopal Krishna       | X  |    | X  | X  | X  | X  | X  |    |    | X  | X  | X  | X  | X  | X  |    | X  |    |    |    |    |    |    |
| 2     | M.Manohar             | X  |    | X  | X  | X  | X  | X  |    |    | X  | X  | X  | X  | X  | X  |    | X  |    |    |    |    |    |    |
| 3     | P.surendra            | X  |    | X  | X  | X  | X  | X  |    |    | X  | X  | X  | X  | X  | X  |    | X  |    |    |    |    |    |    |
| 4     | G.Ramanjaneyulu       | X  |    | X  | X  | a  | X  | X  |    |    | X  | X  | X  | X  | X  | X  |    | X  |    |    |    |    |    |    |
| 5     | M.Ravi prakash        | X  |    | X  | X  | X  | X  | X  |    |    | X  | X  | X  | X  | X  | X  |    | X  |    |    |    |    |    |    |
| 6     | K.Rajasekhar          | X  |    | X  | X  | X  | X  | X  |    |    | X  | X  | X  | X  | X  | X  |    | X  |    |    |    |    |    |    |
| 7     | B.Ramanjaneyulu       | X  |    | X  | X  | X  | X  | X  |    |    | X  | a  | X  | X  | X  | X  |    | X  |    |    |    |    |    |    |
| 8     | p.pandu               | X  |    | X  | X  | X  | X  | X  |    |    | X  | X  | X  | X  | X  | X  |    | X  |    |    |    |    |    |    |
| 9     | j.yellamma            | X  |    | X  | X  | X  | X  | X  |    |    | X  | X  | X  | X  | X  | X  |    | X  |    |    |    |    |    |    |
| 10    | U.sandya              | X  |    | X  | X  | X  | X  | X  |    |    | X  | X  | X  | X  | X  | X  |    | X  |    |    |    |    |    |    |
| 11    | M.jyothi              | X  |    | X  | X  | X  | X  | X  |    |    | X  | X  | X  | X  | X  | X  |    | X  |    |    |    |    |    |    |
| 12    | P.Narasimhanaidu      | X  |    | X  | X  | X  | X  | X  |    |    | X  | X  | X  | X  | X  | X  |    | X  |    |    |    |    |    |    |
| 13    | M.Suresh              | X  |    | X  | X  | X  | X  | X  |    |    | X  | X  | X  | X  | X  | X  |    | X  |    |    |    |    |    |    |
| 14    | C.Mallikarjuna        | X  |    | X  | X  | X  | X  | X  |    |    | X  | X  | X  | X  | X  | X  |    | a  |    |    |    |    |    |    |
| 15    | P.Ravi kumar          | X  |    | X  | X  | X  | X  | X  |    |    | X  | X  | X  | X  | X  | X  |    | X  |    |    |    |    |    |    |





# GOVERNMENT DEGREE COLLEGE

PATTIKONDA, KURNOOL-518380, A.P.

AFFILIATED TO RAYALASEEMA UNIVERSITY (RU) KURNOOL

RE-ACCREDITED BY NAAC WITH 'B' GRADE

**Department of \_\_\_\_\_**

## Certificate Of Participation

This is to certify that Mr./Miss./Mrs. \_\_\_\_\_ studying  
\_\_\_\_\_ successfully completed ' \_\_\_\_\_ '

Organized by Department of \_\_\_\_\_, Government Degree College,  
Pattikonda, Kurnool(Dt) held from \_\_\_\_\_ to \_\_\_\_\_.

Coordinator

Principal





**GOVERNMENT DEGREE COLLEGE::PATTIKONDA**  
**DEPARTMENT OF PHYSICS**  
**CERTIFICATE COURSE**  
**ON**  
**HOME APPLIANCES**  
**2020-21**

  
**CO-ORDINATOR**

  
**PRINCIPAL**  
Govt. Degree College  
PATTIKONDA, Kurnool Dist.

GOVERNMENT DEGREE COLLEGE, PATTIKONDA

Department Of PHYSICS

Minutes of the Department meeting for the conduct of  
Certificate Course on HOME APPLIANCES

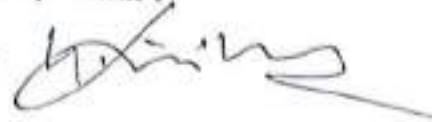
Date:07.08.2020

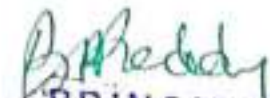
The Department of Physics, a leader in catering to student needs, has made the decision to widen opportunities for individuals graduating from our College. There is a considerable need for new graduates with technical skills due to the expanding job market, which has been particularly visible in the private sector. With the straightforward objective of equipping graduating students with the requisite practical and technical abilities, the Department of Physics has taken the initiative to provide a Certificate Course in **HOME APPLIANCES**.

On 07.08.2020, the Department of Physics held a meeting with its members on the College's property. The conference was led by the department head, Sri.A.Ravisankar Sharma, and attended by, Dr.G.Srinivasulu, in the laboratory. The Department unanimously decided to organize the Certificate Course on **HOME APPLIANCES** for degree-seeking students at our College, with the lecturers serving as the course instructors and the Department Head serving as chairman. As promised, the Certificate Course would span 45 days.

1. Sri.A.Ravisankar Sharma, Head of the Department :

2. Dr.G.Srinivasulu, Lecturer in Physics :



  
PRINCIPAL  
Govt. Degree College  
PATTIKONDA, Kurnool Dist

**GOVERNMENT DEGREE COLLEGE, PATTIKONDA.**

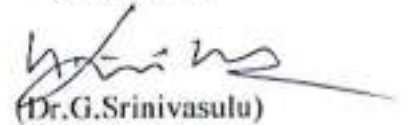
**DEPARTMENT OF PHYSICS**

**Circular**

Date: 14.08.2020

All the B.Sc. M.P.Cs Second year degree students are hereby informed that the Department of Physics is going to start a certificate course in '**HOME APPLIANCES**'. The duration of the course is 45 days. Students need not pay any fee for the course. The classes will commence from 17.08.2020. Interested students are required to register their names in the Physics Department. After successful completion of the course certificate will be provided to the students.

Coordinator

  
(Dr. G. Srinivasulu)

**Copy to the Library Notice Board**

**Copy to the Notice Board**

**Copy for Circulation among the Students**



Students List Registered For **HOME APPLIANCES 2020-21**

| S.No | NAME OF THE STUDENT |
|------|---------------------|
| 1    | B.LAKSHMI PRASANNA  |
| 2    | C.VEERAPRASAD       |
| 3    | K.JAGADESH          |
| 4    | K.SATISH            |
| 5    | K.MALLIKARJUNA      |
| 6    | L.RAJASEKHAR        |
| 7    | M.RAJESH            |
| 8    | P.SIVASANKAR PRASAD |
| 9    | P.RAJESH KUMAR      |
| 10   | P.SANDHYA           |
| 11   | R.RAVI TEJA         |
| 12   | S.RAMESH            |
| 13   | P.NEELA KANTA       |
| 14   | Y.SRIRANGADU        |
| 15   | Y.SRIKANTH          |
| 16   | A.DADAVALI          |
| 17   | D.UPENDRA           |
| 18   | D.LOKESU            |
| 19   | D.RANGASWAMY        |
| 20   | G.RUVENDRA          |

  
Coordinator

# **HOME APPLIANCES**

## **SYLLABUS AND COURSE OUTCOMES**

## Training outcomes:-

At the end of the training, the candidates will be able to

1. Appreciate the importance of embarking on self-employment and has developed the confidence and personal skills for the same.
2. Identify business opportunities in chosen sector / sub-sector and plan and market and sell products / services
3. Start a small business enterprise by liaising with different stake holders
4. Effectively manage small business enterprise
5. Understand the Fundamentals of Electrical equipments, electricity, current, voltage, power and circuits of different capacity motors.
6. Perform House wiring / Hospital Wiring / Office /Go-down wiring etc.
7. Identify the cable sizes and perform cable jointing

## Syllabus:-

1. Candidate is clearly able to differentiate between Wage employment, Self-employment and Entrepreneurship
2. Understand, appreciate and develop the self-confidence for embarking on self-employment/entrepreneurship.
3. Understand and internalize entrepreneurial competencies and know their importance for becoming a successful entrepreneur.
4. Trainee is able to understand the legal and regulatory aspects of launching an enterprise.
5. Trainee is able to appreciate need for continuous growth and expansion of an enterprise



Each question carries 8 marks (8\*5)

1. Do the lights dim when appliances work?
2. Have you never upgraded your electrical service?
3. What are the essential precautions at service break?
4. What are AC and DC supply?
5. What is M.C.B?

Each question carries one mark (1\*10)

1. \_\_\_\_\_ is the Electricians knife.  
(A) Double blade  
(B) Cutter  
(C) Blade  
(D) Tester
2. Electric Wire usually made of \_\_\_\_\_.  
(A) Tin  
(B) Steel  
(C) Copper  
(D) Iron
3. Which effect of current applied in ceiling fan?  
(A) Heating  
(B) Chemical  
(C) Magnetic  
(D) Gas Ionization
4. Unit of Electrical Resistance?  
(A) Volt  
(B) Ohm  
(C) Watt  
(D) Ampere

5. Which color of Protective conductor?

- (A) G-Y
- (B) G-R
- (C) G-B
- (D) G-B-L

6. CTS stand for?

- (A) cable
- (B) type
- (C) sheathed
- (D) Cable tyro seathed

7. SWG 22 wire in mm?

- (A) 1.016
- (B) 1.219
- (C) 0.711
- (D) 0.914

8. EPR stands for?

- (A) ethylene
- (B) propylene
- (C) rubber
- (D) Ethylene propylene rubber

9. How many types of oil filled cables?

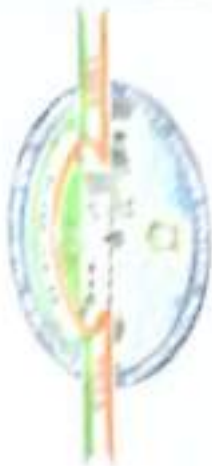
- (A) 2
- (B) 3
- (C) 6
- (D) 8

10. Metallic tubing type?

- (A) EMT
- (B) RNMC
- (C) ENT







## GOVERNMENT DEGREE COLLEGE

PATTIKONDA, KURNOOL-518380, A.P.

AFFILIATED TO RAYALASEEMA UNIVERSITY (RU) KURNOOL.

RE-ACCREDITED BY NAAC WITH 'B' GRADE

DEPARTMENT OF PHYSICS

### Certificate of Participation

This is to certify that Mr./Miss./Mrs. B.LAKSHMI PRASANNA studying I B.Sc. M.P.Cs successfully

Completed 'HOME APPLIANCES' Organized by Department of Physics, Government Degree College,

Pattikonda,

Kurnool (DT) held from 17.08.2020 to 14.10.2020.

Coordinator

Principal

Government Degree College, Pattikonda

Department of Physics

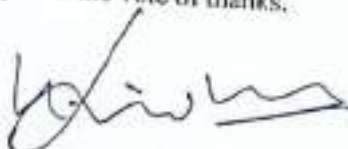
Final Report of Certification Course in HOME APPLIANCES


HOME APPLIANCES was developed by the Department of Physics with the help of the Principal, Dr. B.Purushotam Reddy, for the College's students. By offering a certificate course in HOME APPLIANCES for 45 days, the Department of Physics has made a modest start in its effort to teach and enhance the students with practical knowledge of the House wiring. The primary goal of the course, as previously decided, was to impart House wiring knowledge to the departing pupils. The demands of the final year students are taken into consideration when creating the course's fundamental framework. The aforementioned course began on August 17, 2020, and ended on 14 OCT, 2020. The pupils' response was very positive. The Seminar Hall was crowded with eager students for its first presentation.

The principal, Dr. B.Purushotam Reddy, spoke to the students and informed them of the significance of technology in both the social and business spheres. He also praised the work of the department of business and complimented Sri A.RAVISANKAR SHARMA, HOD, who served as the course's architect. The course had a high turnout of students. Regular attendance for the classes, which ran from 04.00 PM to 6:00 PM, was 20 students.

The sessions were engaging, educational, and fascinating. The students were able to comprehend how to learn and understand House wiring with the use of hands-on activities, films, handouts, seminars, quizzes, suggested books, and engaging exercises. The pupils' confidence level was raised via brainstorming sessions, discussions, group exercises, and impromptu presentations. The complete course took place, The Course ran its entire course of 20 days and also took informal inputs from the students for making the course better next time.

After the successful completion of the said Certificate course, a valedictory function was held on 14<sup>th</sup> OCT 2020. The Principal of the College, Dr. B.Purushotam Reddy, graced the occasion. The meeting was presided over by the HOD (Physics), Sri A.Ravisankar sharma. At the end of program Dr.G. Srinivasulu, Lecturer in Physics, proposed the vote of thanks.

  
Coordinator

  
Incharge  
Dept of Physics

# **Government Degree College, Pattikonda, Kurnool (Dt).**

## **Department of English**



**A Certificate course in**

**Commonly Used English Words with Telugu Meaning**

**for the year-2020-21**



# Government Degree College, Pattikonda

2020-21 -Proposal for the Introduction of Certificate

Course in

*Commonly Used English words with  
Telugu Meaning*

Date: 02-10-2020

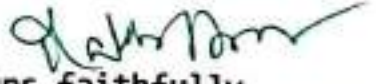
From  
Malli babu,  
Lecturer in English,  
Head of Department  
Govt. Degree College  
Pattikonda, Kurnool (Dt).

To  
The Principal,  
Govt. Degree College, Pattikonda  
Kurnool (Dt).

Respected Sir,

The Department of English will hold a certificate course in *Commonly Used English words with Telugu Meaning*. The course is in response to the demand of departing students. Communication skills are now regularly communicated from the lowest to the highest levels of employment. Spoken English and grammar are beneficial to students. The Department of English is enthusiastic about starting the course, considering all of these factors. Details of the program will be provided.

1. Name of the proposed program : *A Certificate course in  
Commonly Used English words with  
Telugu Meaning*
2. Duration and timings of the program : 45 days
3. Start date of the program : 16-10-2020 to 10-12-2020
4. Course fee : free
5. No,of students expected for admission: 40

  
Yours faithfully

Head of DEPARTMENT OF ENGLISH  
Govt. Degree College  
PATTIKONDA, Kurnool (Dist).



  
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GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
Kurnool Dist A P

# GOVERNMENT DEGREE COLLEGE, PATTIKONDA

## Department Of English Minutes of the Department Meeting For the Conduct Of Certificate Course in Commonly Used English Words With Telugu Meaning

Date: 05-10-2020

The English department, a leader in meeting the scholars' needs, has decided to increase the number openings of council scholars. In this globalised world there's a significant need for the gregarious scholars with effective spoken English, alphabet, vocabulary and judgment construction skills. So the Department of English has taken the action to offer a Certificate generally habituated English Words with Telugu Meaning Course in with the simple thing of giving graduating students the necessary practical English alphabet and speaking chops.

The Department of English met with its members on the College's property on 16/10/2020. The Department unanimously decided to set up the Certificate Course in communication skills for degree seeking scholars at our College, with the speakers serving as course preceptors and the Department Head acting as president. The conference was presided over by department head Mallibabu. The Certificate Course would last 45 days as promised.(16-10-20 to 10-12-2020)

1. Sri Malli-babu , Head of the Department  
DEPARTMENT OF ENGLISH  
Govt. Degree College,  
PATTIKONDA. Kurnool (Dist).

Principal

PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
Kurnool Dist AP





# Government Degree College, Pattikonda.

## Department of English 20-21

Date: 05-10-2020

### Circular

English Department is starting a certificate course in Commonly used English words with Telugu Meaning for the duration of the course, which will last 45 days. There is no fee required for the course, and classes will commence on 16-10-2020. If you're interested in enrolling, please register your name with the department soon! After successfully completing the course, you'll receive a certificate.

  
Coordinator


DEPARTMENT OF ENGLISH  
Govt. Degree College,  
PATTIKONDA, Kurnool (Dist).

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Kurnool-AP-518380

A

Certificate course in commonly used  
English words with Telugu meaning  
2020-2021

## Department of English

- Parts of Speech
- Articles
- Prepositions
- Tenses
- Voice



  
PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518380  
Kurnool Dist. A.P.

# **Model Question Paper (2020-21)**

## **A Certificate Course in Commonly Used English Words with Telugu Meaning**

**Time 01:30**

**Maximum Marks 50**

**1. I live in Kumool.**

1. In
2. Live
3. Amsterdam
4. I

**Answer: Kumool**

**2. I visited the Eiffel Tower in Paris.**

1. The
2. Paris
3. Eiffel Tower and Paris
4. Eiffel Tower

**Answer: Eiffel Tower and Paris**

**3. Bhutan is a beautiful country.**

1. A
2. Country
3. Beautiful
4. Bhutan

**Answer: Bhutan**

**4. Summer is very hot.**

1. Summer
2. Very
3. Hot
4. Is

**Answer: Summer**

**5. The moon looks so beautiful.**

1. Looks
2. Moon
3. The
4. Beautiful

**Answer:** Moon

6. The doctor is an expert in his field.

1. His
2. Expert
3. Field
4. Doctor

**Answer:** Doctor

7. The mailman Mr. Joe was carrying postcards.

1. Mailman
2. Mr. Joe
3. Postcards
4. Mailman, Mr. Joe and postcards

**Answer:** Mailman, Mr. Joe and postcards

8. Are these mangoes tasty?

1. Tasty
2. Are
3. These
4. Mangoes

**Answer:** Mangoes

9. Hello Sophie! Will you play football with us as the climate is beautiful and the team is one player short?

1. Football
2. Sophie, football, climate, team, player
3. Team
4. Climate

**Answer:** Sophie, football, climate, team, player

1. Sheraton
2. Mike



3. Mike, party, Sheraton

4. Party

*Answer:* Mike, party, Sheraton

11. They were having dinner.

1. Dinner

2. They

3. Were

4. Having

*Answer:* They

12. I want to sleep.

1. To

2. Sleep

3. I

4. Want

*Answer:* I

13. Is that my laptop?

1. My

2. Laptop

3. Is

4. That

*Answer:* My

14. Everyone is sleeping in the dorm room.

1. Sleeping

2. Dorm

3. Room

4. Everyone

*Answer:* Everyone

15. We were playing scrabble.

1. Playing

2. Scrabble

3. We

4. Were

*Answer:* We

**16. Look at Ellen, she is a beautiful artist.**

**1. Beautiful**

**2. She**

**3. Ellen**

**4. Artist**

**Answer: She**

**17. He is good at cricket.**

**1. At**

**2. Good**

**3. Cricket**

**4. He**

**Answer: He**

**18. This house is mine.**

**1. This**

**2. House**

**3. Mine**

**4. Is**

**Answer: Mine**

**19. Would you like to have coffee?**

**1. Coffee**

**2. Have**

**3. You**

**4. Would**

**Answer: You**

**20. Did you hear that?**

**1. That**

**2. Did**

**3. You**

**4. Hear**

**21. The monkey sat by the door.**

**1. Monkey**

**2. By**

3. Door

4. Sat

*Answer: Sat*

22. Jack left in a hurry.

1. A

2. Hurry

3. Jack

4. Left

*Answer: Left*

23. Michelle hurt her elbow while playing.

1. Hurt

2. Elbow

3. Michelle

4. Hurt, playing

*Answer: Hurt, playing*

24. Please open the door.

1. Open

2. The

3. Please

4. Door

*Answer: Open*

25. She bought a new car and started taking her driving lessons.

1. Started

2. New

3. Taking

4. Bought, started, taking

*Answer: Bought, started, taking*



*Ra*

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## List of Students Registered for certificate course 2020-21

### A Certificate Course in Commonly Used English Words with Telugu Meaning

| S.No | Hall Ticket Number | Name of the Students | Signature of the student |
|------|--------------------|----------------------|--------------------------|
| 1    | 19110048007        | G.Gopala Krishna     | G. gopal Krishna         |
| 2    | 19110048014        | M.Manohar            | M. Manohar               |
| 3    | 19110048021        | P.Surendra           | P. Surendra              |
| 4    | 19110048009        | G.Ranganayakulu      | G. Ranganayakulu         |
| 5    | 19110048015        | M.Ravi Prakssh       | M. Ravi praksh           |
| 6    | 19110048012        | K.Rajasekhar         | K. Rajasekhar            |
| 7    | 19110048003        | B.Ramanjineyulu      | B. Ramanjineyulu         |
| 8    | 19110048020        | P.Pandu              | P. Pandu                 |
| 9    | 19110048010        | J.Yellamma (W)       | J. Yellamma              |
| 10   | 19110048022        | U.Sandhya (W)        | U. Sandhya               |
| 11   | 19110048013        | M.Jyothi (W)         | M. Jyothi                |
| 12   | 19110048018        | P.Narasimha Naidu    | P. Narasimha naidu       |
| 13   | 19110048016        | M.Suresh             | M. Suresh                |
| 14   | 19110048005        | C.Mallikarjuna       | C. Mallikarjuna          |
| 15   | 19110048019        | P.Ravikumar          | P. Ravikumar             |
| 16   | 19232048003        | M.Mastan             | M. Mastan                |
| 17   | 19232048002        | K.Sarojamma (W)      | K. Sarojamma             |
| 18   | 19232048005        | S.Surendra           | S. Surendra              |
| 19   | 19232048004        | M.Sai Meghana (W)    | M. Sai meghana           |
| 20   | 19232048001        | G.Madhu              | G. Madhu                 |
| 21   | 19358048001        | S.Tahera Banu (W)    | S. Tahera Banu           |
| 22   | 19358048002        | A.Narasimha Naidu    | A. Narasimha Naidu       |
| 23   | 19358048010        | B.Ranganna           | B. Ranganna              |
| 24   | 19358048025        | K.Ramanayudu         | K. Ramanayudu            |
| 25   | 19358048020        | G.Rajasekhar         | G. Rajasekhar            |

|    |             |                 |                  |
|----|-------------|-----------------|------------------|
| 26 | 19358048003 | B.Srikanth      | B. Srikanth.     |
| 27 | 19358048016 | G.Ravi Teja     | G. Ravi Teja     |
| 28 | 19358048008 | B.M.Rangaswamy  | B.M. Rangaswamy  |
| 29 | 19358048014 | D.Siva Kumar    | B.K. Manjunath   |
| 30 | 19358048004 | B.K.Manjunath   | B.K. Manjunath   |
| 31 | 19358048032 | M.Satish        | M. Satish        |
| 32 | 19358048041 | T.Runuka Bai    | Runuka Bai       |
| 33 | 19358048021 | G.Mallika       | G. Mallika       |
| 34 | 19358048026 | M.Kalyani       | M. Kalyani       |
| 35 | 19358048029 | M.Haritha       | M. Haritha       |
| 36 | 19358048040 | T.Raveena       | T. Raveena       |
| 37 | 19358048030 | M.Pedda Nadelli | M. Pedda Nadelli |
| 38 | 19358048009 | B.Ramesh        | B. Ramesh        |
| 39 | 19358048019 | G.Udde Chinna   | G. Udde chinna   |
| 40 | 19358048007 | B.Rajesh        | B. Rajesh        |



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Kurnool Dist AP



### Attendance Sheet 2020-21 Certificate Course in Commonly Used English Words with Telugu Meaning

[illegible]



**Attendance Sheet 2020-21 Certificate Course in  
Commonly Used English Words with Telugu Meaning**

[illegible]

[illegible]



# Government Degree College, Pattikonda


## Department of English

### Final Report of Certificate Course in commonly used English words with Telugu meaning

Commonly used English words with Telugu meaning Programme was developed by English department with the help of the Principal for college students. By offering the 45-day Certificate course in communication skills, the English Department has made a humble beginning in its efforts to teach and improve students' practical knowledge of accounting software. The main objective of the course, as decided earlier, was to impart English language skills to the departing students. The requirements of final year students are taken into account when creating the basic framework of the course. The above mentioned course started on 16.10.2020 and ended on 10.12.2020. The feedback from the students was very positive. The seminar hall was full of students waiting for their first presentation.

The Principal, spoke to the students and knowledgeable them of the importance of generation in both the social and enterprise spheres. He additionally praised the paintings of the department of English and complimented Sri.P.Mallibabu, HOD, who served as the route's architect. The periods were attractive, academic, and fascinating. The scholars were able to recognize a way to study and understand English with the usage of arms-on sports, movies, handouts, seminars, quizzes, recommended books, and attractive physical games. The pupil's confidence degree becomes raised through brainstorming classes, discussions, organization sporting activities, and impromptu displays. The complete direction took place; the course ran its complete direction of forty five days and additionally took informal inputs from the scholars for making the direction higher next time. Upon the successful completion of the aforementioned Certificate programme, a farewell celebration was organized on the last day of the programme. The event was graced by the college's principal. B. Paul Raj, the HOD, presided over the meeting. The idea for a vote of gratitude came from other members.



  
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**Government Degree College, Pattikonda**

**Pattikonda, Kurnool-518380, A.P.**

**Affiliated to Rayalaseema University (RU) Kurnool-**

**Re- Accredited By NAAC with 'B' Grade**

## Department of English

### Certificate of Participant

This is to certify that Mr./Miss./Mrs. \_\_\_\_\_ studying \_\_\_\_\_ success fully

completed 'A Certificate Course in commonly used English words with Telugu meaning 'Organized' by

Department of English, Government Degree College, Pattikonda, Kurnool (Dt) held from 16-10-2020 to 10-12-2020.



**Coordinator**

**DEPARTMENT OF ENGLISH**  
Govt. Degree College,  
PATTIKONDA, Kurnool (Dist)





**PRINCIPAL**  
GOVT DEGREE COLLEGE  
PATTIKONDA-518380,  
Kurnool Dist A.P.

# Department Of Mathematics



Certificate Course  
In  
**Basic Arithmetic**  
(2020-21)

**GOVERNMENT DEGREE COLLEGE, PATTIKONDA**  
**PROPOSAL FOR THE INTRODUCTION OF CERTIFICATE COURSE IN**  
**MATHEMATICS**

DATE: 01/10/2020

From  
Dr. K Appala Naidu,  
Lecturer in Mathematics,  
Head of Department  
Govt. Degree College  
Pattikonda,  
Kurnool (Dt).

To  
The Principal,  
Govt. Degree College,  
Pattikonda  
Kurnool (Dt).

Respected Sir,

I would want to suggest that our college hold a certificate programme Basic Arithmetic the demands of departing students are now more regularly communicated to the Department of mathematics. From the lowest to the highest levels of employment, Basic Arithmetic has become fruitful to students. The Department of mathematics is excited to start the course taking into account all of these factors.

The details of the program are

- |                                           |                    |
|-------------------------------------------|--------------------|
| 1. Name of the proposed program           | : Basic Arithmetic |
| 2. Duration and timings of the program    | : 45 Days          |
| 3. Start date of the program              | : 16 Nov 2020      |
| 4. Course fee                             | : free             |
| 5. No. of students expected for admission | : 25               |

B.   
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PATTIKONDA-518 380  
Kurnool Dist A P

Yours faithfully

Head of the Department(Mathematics)

K Appala Naidu



Newly appointed guest faculty Dr. Rangaswamy for mathematics & I had met in the department & discussed about the sharing of syllabus.

Both the dep. celebrit

It is resolved the following papers will be taught by us

1. K. Appala Naidu - paper - III Group Theory  
- paper - IV Linear Algebra

It day or pinci

2. G. Rangaswamy - paper - I Differential Equs.  
paper - II Vector Calculus

Certificate course is not conducted in the month of July due to Corona pandemic. It is resolved to take certificate course classes from 16/11/2020

1. K. Appala Naidu

2. G. Rangaswamy

DEPARTMENT OF MATHEMATICS  
Govt. Degree College,  
PATTIKONDA, Kurnool (Dist).

DEPT  
PATT

K. Appala Naidu

DEPARTMENT OF MATHEMATICS  
Govt. Degree College,  
PATTIKONDA, Kurnool (Dist).

# **Government Degree College, Pattikonda**

## **Department of Mathematics**

Date: 02-06-2020

All the final year degree students are hereby informed that the Department of Mathematics is going to start a certificate course in Basic Arithmetic the duration of the course is 45 days. Students need not pay any fee for the course. The classes will commence from 16-11-2020. Interested students are required to register their names in Mathematics Department. After successful completion of the course certificate will be provided to the students.

Coordinator

*K. Appala Naidu*  
DEPARTMENT OF MATHEMATICS  
Govt. Degree College,  
PATTIKONDA, Kurnool (Dist).

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# **A Certificate Course in Basic Arithmetic**

## **SYLLABUS**

### Unit 1: Number Operations and Basic Calculations

1. Whole numbers:
  - Understanding place value
  - Addition, subtraction, multiplication, and division of whole numbers
  - Order of operations (PEMDAS/BODMAS)
2. Fractions and decimals:
  - Understanding fractions and decimals
  - Equivalent fractions and simplification
  - Addition, subtraction, multiplication, and division of fractions and decimals
3. Percentages:
  - Introduction to percentages
  - Converting between fractions, decimals, and percentages
  - Calculating percentages of quantities
4. Ratios and proportions:
  - Understanding ratios and proportions
  - Solving ratio and proportion problems
  - Applications of ratios and proportions in real-life situations

### Unit 2: Problem Solving and Basic Algebra

1. Word problems:
  - Identifying and understanding word problems
  - Translating word problems into mathematical expressions or equations
  - Applying arithmetic operations to solve word problems
2. Basic algebraic concepts:
  - Introduction to variables and constants
  - Simplifying algebraic expressions
  - Solving simple linear equations
3. Measurement and geometry:
  - Units of measurement (length, weight, volume, etc.)
  - Solving problems involving measurement conversions
  - Basic concepts of geometry (lines, angles, polygons)

This simplified syllabus covers the essential topics in Basic Arithmetic, including number operations, fractions, decimals, percentages, ratios, proportions, problem-solving, basic algebraic concepts, and measurement. While this condensed course may not cover all the intricacies of arithmetic, it can provide a foundation for further studies and practical applications.

*K. Appala Naidu*  
DEPARTMENT OF MATHEMATICS  
Govt. Degree College,  
PATTIKONDA, Kurnool (Dist).



# Model question paper (2020-21)

## Certificate Course in Basic Arithmetic

Time 02:00 Hrs

Maximum Marks: 50

Section A: Multiple Choice Questions (10 marks) Choose the correct answer and mark it on the answer sheet provided.

1. What is the result of  $7 + 3$ ? a) 10 b) 14 c) 21 d) 30
2. Simplify the expression:  $4 \times (5 + 2) - 3$ . a) 24 b) 25 c) 26 d) 28
3. Which of the following is the largest number? a) 0.5 b) 0.25 c) 0.75 d) 0.1
4. What is the value of  $9 \div 3 + 2 \times 5$ ? a) 10 b) 15 c) 25 d) 45
5. Simplify the expression:  $2^3 + 4 \times 2$ . a) 12 b) 16 c) 18 d) 20
6. Which of the following is an odd number? a) 12 b) 16 c) 18 d) 21
7. Calculate the average of 12, 16, and 20. a) 12 b) 16 c) 18 d) 20
8. What is the result of  $5 \times 0$ ? a) 0 b) 1 c) 5 d) None of the above
9. Simplify the expression:  $9 - (3 + 4 \times 2)$ . a) 1 b) 2 c) 3 d) 4
10. What is the value of  $2^4$ ? a) 8 b) 12 c) 16 d) 32

Section B: Short Answer Questions (20 marks) Answer the following questions briefly but with all necessary steps shown.

11. Solve the equation:  $4x - 3 = 9$ .
12. Find the area of a rectangle with a length of 8 cm and width of 5 cm.
13. If a bag contains 30 marbles, of which 20 are red and the rest are blue, how many blue marbles are there?
14. Calculate the simple interest for a principal amount of \$5000, an interest rate of 3.5%, and a time period of 2 years.
15. Solve the following proportion:  $\frac{3}{4} = \frac{x}{16}$ .

Section C: Problem Solving (20 marks) Solve the following problems thoroughly, showing all necessary steps.

16. A store offers a 15% discount on all items. If an item originally costs \$80, what will be the discounted price?
17. A train travels at a speed of 60 km/h. How far will it travel in 2.5 hours?
18. In a class, there are 25 boys and 35 girls. What is the ratio of boys to girls in the class?
19. John scored 78, 85, 92, and 89 on his math tests. What is his average score?
20. The perimeter of a square is 48 cm. What is the length of each side?

K. Appala Naidu  
DEPARTMENT OF MATHEMATICS  
Govt. Degree College,  
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# Government Degree College

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## Department of Mathematics

### Certificate Of Participation

This is to certify that Mr./Miss./Mrs. \_\_\_\_\_ successfully completed 'A Certificate Course in Basic Arithmetics studying \_\_\_\_\_' Organized by Department of Mathematics, Government Degree College, Pattikonda, Kurnool(Dt) held from 16-11--2020 to 10-01-2021.

Coordinator

Principal

**Registered Students!**  
**Attendance Sheet 2020-21 Certificate Course**

| S.No | Register Number | Admission No. | Names of the Students   |
|------|-----------------|---------------|-------------------------|
| 1    | 18362048003     | 5253          | K.Veeranji              |
| 2    | 18362048005     | 5235          | K.Lingamurthy           |
| 3    | 18362048007     | 5269          | T.Nabirasool            |
| 4    | 18360048005     | <b>5243</b>   | <b>G.T.Aparna</b>       |
| 5    | 18360048006     | 5259          | K.Pavan Kumar           |
| 6    | 18360048007     | <b>5236</b>   | <b>K.Geetha</b>         |
| 7    | 18360048010     | 5247          | P.Ramesh                |
| 8    | 18360048012     | <b>5248</b>   | <b>S.Sahera Banu</b>    |
| 9    | 18360048015     | <b>5250</b>   | <b>U.Ananthalakshmi</b> |
| 10   | 18360048016     | <b>5252</b>   | <b>U.Umadevi</b>        |
| 11   | 18358048002     | <b>5261</b>   | <b>B.Geethanjali</b>    |
| 12   | 18358048005     | 5201          | B.Madhu Babu            |
| 13   | 18358048010     | <b>5207</b>   | <b>B.Mahalakshmi</b>    |
| 14   | 18358048022     | <b>5218</b>   | <b>K.Adilakshmi</b>     |
| 15   | 18358048026     | <b>5221</b>   | <b>M.Rajeswari</b>      |
| 16   | 18358048030     | 5225          | S.Vijaya Kumar          |
| 17   | 18358048034     | <b>5181</b>   | <b>U.Sumalatha</b>      |
| 18   | 18232048005     | 5193          | B.Surendra              |
| 19   | 18232048007     | 5187          | G.Rajkumar              |
| 20   | 18232048011     | 5190          | P.Shaikshavali          |
| 21   | 18110048001     | 5239          | B.Mahesh                |
| 22   | 18110048005     | 5175          | K.Rajesh                |
| 23   | 18110048009     | 5267          | N.Upendra Naik          |
| 24   | 18110048013     | 5183          | U.Naresh                |
| 25   | 18110048015     | 5184          | U.Narendra              |

*K. Appala Naidu*  
DEPARTMENT OF MATHEMATICS  
Govt. Degree College,  
PATTIKONDA, Kurnool (Dist).

*B. N. S.*  
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Kurnool Dist.



All New

# REGISTER

Of

OFFICE  
ATTENDANCE

2020-21

Name

Department of  
Mathematics  
Certificate course

Grinivasa®



# Attendance

## Register

Month **NOVEMBER**  
Year **2020**

| Sl. No. | NAME              | Designation | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | Remarks |  |
|---------|-------------------|-------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---------|--|
|         | H. Vazhenji       |             |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |  |
|         | K. Jingeramthy    |             |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |  |
|         | G. nobitasool     |             |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |  |
|         | G. P. Appara      |             |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |  |
|         | K. pavan kumar    |             |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |  |
|         | K. Geetha         |             |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |  |
|         | P. Ramesh         |             |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |  |
|         | S. Sathya Banu    |             |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |  |
|         | V. Ananthalakshmi |             |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |  |
|         | V. umadevi        |             |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |  |
|         | B. Geethanjali    |             |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |  |
|         | B. Madhu Babu     |             |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |  |
|         | B. Mahalakshmi    |             |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |  |
|         | M. Padmalakshmi   |             |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |  |
|         | N. Rajeswari      |             |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |  |
|         | S. Vijaya kumar   |             |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |  |
|         | V. Sureshbabu     |             |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |  |
|         | B. Surendra       |             |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |  |
|         | G. Raj Kumar      |             |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |  |
|         | P. shaktishanila  |             |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |  |
|         | B. Mahesh         |             |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |  |
|         | K. Rajesh         |             |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |  |
|         | N. Upendra Babu   |             |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |  |
|         | V. Nareesh        |             |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |  |
|         | V. Narendra       |             |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |  |



## Attendance

## Register

Month December  
Year 2020

| Sl. No. | NAME               | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | Remarks |  |
|---------|--------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---------|--|
| 1.      | H. Veerani         | X | X | X | X | X |   |   | X | X | A  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |  |
| 2.      | K. Lingamuthy      | X | X | X | X | X |   |   | X | X | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |  |
| 3.      | T. nabina sool     | X | X | X | X | X |   |   | X | X | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |  |
| 4.      | G. Aparna          | X | X | X | A | X |   |   | X | X | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |  |
| 5.      | K. Pavan Kumar     | X | X | X | X | X |   |   | X | X | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |  |
| 6.      | K. Geetha          | X | A | X | X | X |   |   | X | X | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |  |
| 7.      | P. Ramesh          | X | X | X | X | X |   |   | A | X | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |  |
| 8.      | B. Sohana Banu     | X | X | X | X | X |   |   | X | X | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |  |
| 9.      | V. Priyathalakshmi | X | X | X | A | X |   |   | X | X | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |  |
| 10.     | D. Uma devi        | A | X | X | X | X |   |   | X | X | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |  |
| 11.     | B. Geethanjali     | X | X | A | X | X |   |   | A | X | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |  |
| 12.     | B. Madhu Babu      | X | A | X | X | X |   |   | X | X | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |  |
| 13.     | B. Mahalakshmi     | A | X | X | X | X |   |   | X | X | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |  |
| 14.     | K. Adilakshmi      | X | X | A | X | X |   |   | X | X | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |  |
| 15.     | M. Rajeswari       | A | X | X | X | X |   |   | X | X | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |  |
| 16.     | S. Vijaya Kumar    | X | X | X | A | X |   |   | X | X | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |  |
| 17.     | D. Sunandha        | A | X | X | X | X |   |   | X | X | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |  |
| 18.     | B. Surendra        | X | X | X | X | X |   |   | X | X | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |  |
| 19.     | C. Raj Kumar       | A | X | X | X | X |   |   | X | X | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |  |
| 20.     | P. Shanthshanthi   | X | X | A | X | X |   |   | X | X | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |  |
| 21.     | T. Mahesh          | A | X | X | X | X |   |   | X | X | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |  |
| 22.     | K. Rajesh          | X | X | A | X | X |   |   | X | X | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |  |
| 23.     | N. Upendra Nait    | X | X | A | X | X |   |   | X | X | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |  |
| 24.     | V. Anandh          | X | X | X | X | X |   |   | X | X | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |  |
| 25.     | V. Marenda         | A | X | X | X | X |   |   | X | X | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |  |

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## Attendance

## Register

Month: January

Year: 2021

K. Veeraniyi  
 K. Linga Murthy  
 G. Nani Suresh  
 G. T. Appanna  
 M. Jagan Kumar  
 K. Ganga  
 P. Ramesh  
 S. Sahana Pannu  
 U. Anantha Lakshmi  
 U. Umadevi  
 B. Gouthanjali  
 B. Madhu Babu  
 B. Mahalakshmi  
 K. Redi Lakshmi  
 M. Rajeswari  
 S. Vijaya Kumar  
 U. Suma Lakshmi  
 E. Suresh  
 G. Rajkumar  
 P. Shaikshavi  
 E. Mahesh  
 K. Rajesh  
 M. Upendra Naitik  
 U. Nagesh  
 U. Narendran

Days  
Total

|                    | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|--------------------|---|---|---|---|---|---|---|---|---|----|
| K. Veeraniyi       | X |   | X | X | X | X | X | X | X | X  |
| K. Linga Murthy    | X |   | X | X | X | X | X | X | X | X  |
| G. Nani Suresh     | X |   | X | X | X | X | X | X | X | X  |
| G. T. Appanna      | X |   | X | X | X | X | X | X | X | X  |
| M. Jagan Kumar     | X |   | X | X | X | X | X | X | X | X  |
| K. Ganga           | X |   | X | X | X | X | X | X | X | X  |
| P. Ramesh          | X |   | X | X | X | X | X | X | X | X  |
| S. Sahana Pannu    | X |   | X | X | X | X | X | X | X | X  |
| U. Anantha Lakshmi | X |   | X | X | X | X | X | X | X | X  |
| U. Umadevi         | X |   | X | X | X | X | X | X | X | X  |
| B. Gouthanjali     | X |   | X | X | X | X | X | X | X | X  |
| B. Madhu Babu      | X |   | X | X | X | X | X | X | X | X  |
| B. Mahalakshmi     | X |   | X | X | X | X | X | X | X | X  |
| K. Redi Lakshmi    | X |   | X | X | X | X | X | X | X | X  |
| M. Rajeswari       | X |   | X | X | X | X | X | X | X | X  |
| S. Vijaya Kumar    | X |   | X | X | X | X | X | X | X | X  |
| U. Suma Lakshmi    | X |   | X | X | X | X | X | X | X | X  |
| E. Suresh          | X |   | X | X | X | X | X | X | X | X  |
| G. Rajkumar        | X |   | X | X | X | X | X | X | X | X  |
| P. Shaikshavi      | X |   | X | X | X | X | X | X | X | X  |
| E. Mahesh          | X |   | X | X | X | X | X | X | X | X  |
| K. Rajesh          | X |   | X | X | X | X | X | X | X | X  |
| M. Upendra Naitik  | X |   | X | X | X | X | X | X | X | X  |
| U. Nagesh          | X |   | X | X | X | X | X | X | X | X  |
| U. Narendran       | X |   | X | X | X | X | X | X | X | X  |

11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31  
 1st January  
 2nd January  
 3rd January  
 4th January  
 5th January  
 6th January  
 7th January  
 8th January  
 9th January  
 10th January  
 11th January  
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 22nd January  
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 25th January  
 26th January  
 27th January  
 28th January  
 29th January  
 30th January  
 31st January

**Government Degree College, Pattikonda**  
**Department of Mathematics**  
**Final Report of Certification Course in Basic Arithmetic**


Everyday Mathematics was developed by the Department of Mathematics with the help of the Principal, for the College's students. By offering a certificate course in Basic Arithmetic for 45 days, the Department of Mathematics has made a modest start in its effort to teach and enhance the students with practical knowledge. The primary goal of the course, as previously decided, was to impart Mathematics knowledge to the departing pupils. The demands of the final year students are taken into consideration when creating the course's fundamental framework. The aforementioned course began on November 16, 2020, and ended on February 10, 2021. The pupils' response was very positive. The Seminar Hall was crowded with eager students for its first presentation.

The principal, Dr. B Krupender Reddy, spoke to the students and informed them of the significance of technology in both the daily life and Competitive life. He also praised the work of the department of Mathematics and complimented Dr. K Appala Naidu HOD, who served as the course's architect. The course had a high turnout of students. Regular attendance for the classes, which ran from 05.00 PM to 6:30 PM, was 25 students.

The sessions were engaging, educational, and fascinating. The students were able to comprehend how to learn and understand Mathematics with the use of hands-on activities, seminars, quizzes, suggested books, and engaging exercises. The pupils' confidence level was raised via brainstorming sessions, discussions, group exercises, and impromptu presentations. The complete course took place; The Course ran its entire course of 45 days and also took informal inputs from the students for making the course better next time.

After the successful completion of the said Certificate course, a valedictory function was held on 10<sup>th</sup> February 2021. The Principal of the College graced the occasion. The meeting was presided over by the HOD, Dr. K Appala Naidu. Vote of thanks was proposed by other members.

B.   
PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
Kurnool Dist A P

K.   
DEPARTMENT OF MATHEMATICS  
Govt. Degree College,  
PATTIKONDA, Kurnool (Dist.).



**Government Degree College, Pattikonda**

**Pattikonda, Kurnool-518380, A.P.**

*Affiliated to Pagalaseema University Kurnool*

*Re-Accredited By NAAC with 'B' Grade*

**Department of Political Science**

**A**

**Certificate Course in  
Western Political Thought  
2020-2021**



# **GOVERNMENT DEGREE COLLEGE, PATTIKONDA**

## **Department of Political Science**


### **Minutes of the Department meeting for the conduct of Certificate Course in Western Political Thought**

**Date: 13-09-2021**

The Department of Political Science a leader in meeting student needs has decided to increase the number of opportunities available to College graduates. Due to the growing job market, which is especially evident in the globalized sector, there is a significant need for recent graduates with political knowledge. The Department of Political Science has taken the initiative to offer a Certificate Course in public Communication Skills with the simple goal of giving graduating students the necessary practical and public speaking skills.

The Department of Political Science met with its members on the College's property on **13-09-2021** the Department unanimously decided to set up the Certificate Course in communication skills for degree seeking students at our College, with the lecturers serving as course instructors and the Department Head acting as chairman. The conference was presided over by department head **K.V.NARASIAH** the Certificate Course would last 45 days as promised.

1. Sri K.V.Narasaiah, Head of the Department :

  
**Principal**  
**PRINCIPAL**  
**GOVT DEGREE COLLEGE**  
**PATTIKONDA-518 380**  
**Kurnool Dist A P**

# Government Degree College, Pattikonda

## Proposal for the Introduction of Certificate

Course in

## 20-21 Western Political Thought

Date: 10-09-2021

From

Sri. K.V.Narasaiah,

Lecturer in Political Science,

Govt. Degree College, Pattikonda -Kurnool (DA).

To

The Principal

Govt. Degree College

Pattikonda, Kurnool (DA).

Respected Sir,

The Department of political science will hold a certificate course in Introduction to Political Science. The course is in response to the demand of Final Year students. The Department of Political Science is enthusiastic about starting the course, considering all these factors. Details of the program will be provided.

1. Name of the proposed program : A Certificate course in Introduction to Political Science
2. Duration and timings of the program: 45 days
3. Start date of the program : 17-09-2021 to 26-11-2021
4. Course fee : free
- 5.No,of students expected for admission: 15

Yours faithfully

Head of Department Political Science

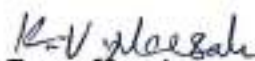
**Government Degree College, Pattikonda.**

**Department of Political Science**

**Date: 02-09-2021**

**Circular**

**Political Science Department is starting a certificate course in Western Political Thought for the duration of the course, which will last 45 days. There is no fee required for the course, and classes will commence on 17-09-2021 TO 26-11-2021. If you're interested in enrolling, please register your name with the department soon! After successfully completing the course, you'll receive a certificate.**

  
**Coordinator**

**Copy to the Library Notice Board**

**Copy to the Notice Board**

**Copy for Circulation among the Students**



## List of Students Registered for Western Political Thought 2020-21

| S.No | Name of the Students | Remarks |
|------|----------------------|---------|
| 1    | B.Mahesh             |         |
| 2    | B.Vijaya Kumar       |         |
| 3    | G.Yaduvamsi          |         |
| 4    | K.Anjaneyulu         |         |
| 5    | K.Rajesh             |         |
| 6    | M.Sanjeevakarna      |         |
| 7    | M.Rajasekhar         |         |
| 8    | N.Lokesh Naik        |         |
| 9    | N.Upendra Naik       |         |
| 10   | P.Venkatesh          |         |
| 11   | P.Kaseem Vali        |         |
| 12   | T.Sreedhar           |         |
| 13   | U.Naresh             |         |
| 14   | U.Shantha Kumar      |         |
| 15   | U.Narendra           |         |

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## Government Degree College, Pattikonda

Pattikonda, Kurnool-518380, A.P.

Affiliated to Rayalaseema University (RU) Kurnool-

Re- Accredited By NAAC with 'B' Grade

### Department of Political Science

#### Certificate of Participant

This is to certify that Mr./Miss./Mrs. B.MAHESH studying III B.A success fully completed 'A  
Certificate Course in Western Political Thought 'Organized by Department of Political Science, Government Degree  
College, Pattikonda, Kurnool (Dt) held from 17-09-2021 to 26-11-2021

K.V. Venkatesh  
Coordinator

Principal  




**A**

**Certificate Course in**  
**WESTERN POLITICAL THOUGHT**

***Syllabus:***

***Unit-01- Marxist Political Thought***

***Unit-02- Utilitarian Political Thought***

# **Model Question Paper (2020-21)**

## **A Certificate Course in Western Political Thought**

**Time 01:30**

**Maximum Marks: 50**

---

**Answer the Following questions:**

- **Explain the views of Machiavelli on human nature.**
- **Lock provided a theory of limited government explain**
- **Russo begins with Lock and ends with Hobs content**
- **Explain marks theory of surplus value**
- **Write an essay on state and civil society**

# **Government Degree College, Pattikonda**

**Department of Political Science**

**Final Report of Certificate Course**

**in**

## **WESTERN POLITICAL THOUGHT**

**This Programme was developed by political science department with the help of the Principal for college students. By offering the 45-day Certificate course in introduction to political science**

**, the political science Department has made a humble beginning in its efforts to teach and improve students' practical knowledge. The requirements of final year students are taken into account when creating the basic framework of the course. The above mentioned course started on 17-09-2021 and ended on 26-11-21. The feedback from the students was very positive. The seminar hall was full of students waiting for their first presentation.**

**The Principal, spoke to the students and knowledgeable them of the importance of generation in both the social and enterprise spheres. He additionally praised the paintings of the department of political science and complimented Sri.K.V.NARASIAH, HOD, who served as the route's architect. The periods were attractive, academic and fascinating. The pupils' confidence degree becomes raised through brainstorming classes, discussions, organization sporting activities, and impromptu displays. The complete direction took place; the course ran its complete direction of forty five days and additionally took informal inputs from the scholars for making the direction higher next time. Upon the successful completion of the aforementioned Certificate programme, a farewell celebration was organized on the last day of the programme. The event was graced by the college principal**



# డిగ్రీ కళాశాల, పత్తికొండ

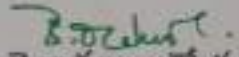
తెలుగు శాఖ 2020-21

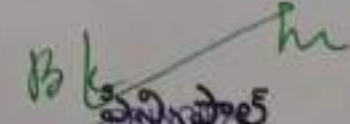
తెలుగు అలంకారాలు సర్టిఫికేట్ కోర్స్ నిర్వహించాలని తెలుగు  
శాఖ తీర్మానం.

తేది:25-10-2020

తెలుగు శాఖ ఆధ్వర్యంలో డిగ్రీ చిప్ప, చికాం, చియస్స విద్యార్థులకు సర్టిఫికేట్ కోర్స్ నిర్వహించాలని  
తీర్మానించాము. అందులో భాగంగా విద్యార్థులకు కావ్యంలో గల అలంకారాలు ప్రయోజనాలు అలాగే  
అలంకారాలలో చావాన్ని సులభంగా అర్థం అయ్యేలాగా చెయ్యడం మొదలగు చాటి కొరకు తెలుగు  
అలంకారాలు అనే సర్టిఫికేట్ కోర్స్ ను నిర్వహించాలని తీర్మానించుకున్నాము.

25-10-2020 తేదిన తెలుగు శాఖ ఆధ్వర్యంలో సమావేశం జరిగింది. ఈ సమావేశానికి  
అధ్యక్షులు గా అధ్యాపకులు కె.రామాంజనేయులు పాల్గొన్నారు. దీనిని కళాశాల ప్రెసిసిపాల్ గారి  
ఆదేశాల మేరకు ప్రధాన కార్యవహిని సర్టిఫికేట్ కోర్స్ నిర్వహించాలని తీర్మానించుకున్నాము.

  
- కె.రామాంజనేయులు (తెలుగు శాఖాధ్యక్షులు)  
Lecturer in Telugu  
Govt Degree College,  
PATTIKONDA, Kurnool Dist

  
ప్రిన్సిపాల్  
GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
Kurnool Dist A P

## ప్రభుత్వ డిగ్రీ కళాశాల, పత్తికొండ 2020-21

తెలుగు శాఖ

ప్రభుత్వ డిగ్రీ కళాశాల పత్తికొండ

(పిన్ కోడ్)

(ప్రభుత్వ డిగ్రీ కళాశాల  
పత్తికొండ)

విషయం: తెలుగు అలంకారాలు సర్టిఫికేట్ కోర్స్ ప్రారంభించడానికి అనుమతి కోరటం:

ప్రభుత్వ డిగ్రీ కళాశాల పత్తికొండ తెలుగు శాఖ ఆధ్వర్యంలో డిగ్రీ మూడవ సంవత్సరం విద్యార్థులకు తెలుగు అలంకారాలు సర్టిఫికేట్ కోర్స్ నిర్వహించాలని తెలుగు శాఖ తీర్మానించింది. వీటి సమాజంలో విద్యార్థులు తెలుగు భాష పట్ల ఆసక్తి చూపడానికి సులభంగా వ్యాకరణం నేర్చుకోవడానికి ఈ సర్టిఫికేట్ కోర్స్ నిర్వహించడానికి అనుమతించగలరు.

### కోర్సు వివరాలు

|                           |                                     |
|---------------------------|-------------------------------------|
| కోర్సు పేరు               | : తెలుగు అలంకారాలు                  |
| కోర్సు కాల వ్యవధి నిమిషం  | : 30 రోజులు సా. 5 నుండి 6 గంటల వరకు |
| ప్రారంభ తేదీ              | : 09-11-2020 -29-12-2020            |
| కోర్సు ఫీజు               | : ఏమీ లేదు                          |
| ముగ్గుం విద్యార్థుల సంఖ్య | : 40                                |

PRINCIPAL  
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PATTIKONDA, Kumool Dist  
Kurnool Dist AP

Lecturer in Telugu  
Govt. Degree College,  
PATTIKONDA, Kumool Dist

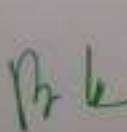
తెలుగు శాఖ

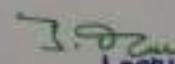
తెలుగు అలంకారాలు 2020-21

సర్క్యులర్

02 11 2020

కళాశాలలో మొదటి వి sem ఉత్తరం నమోదున్న విద్యార్థులకు మొదటి వి sem పాఠ్య పరిశీలనకు సంబంధించి తెలుగు శాఖ తెలుగు భాష అనే విభాగం కోర్సు 30 నెంబర్ ఉత్తరంలో ఎలాంటి రుసుము లేకుండా నిర్వహిస్తుంది. తేద్య 09/11/2020 తేదీన ప్రారంభం అవుతుంది. విద్యార్థులు ఏమైనా సందేహాలు ఉన్నట్లైతే తేద్య విభాగం అధికారి నుండి తెలుసుకోవాలి. కావున విద్యార్థులందరూ ఈ అవకాశాన్ని వినియోగించుకోవాలి.

  
Lecturer in Charge  
Govt. Degree College  
Pattikonda, Kurnool Dist  
Kurnool Dist AP

  
Lecturer in Charge  
Govt. Degree College  
Pattikonda, Kurnool Dist



# ప్రభుత్వ డిగ్రీ కళాశాల, పత్తికొండ

తెలుగు శాఖ 2020-21

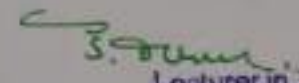
## తెలుగు అలంకారాలు సర్టిఫికేట్ కోర్స్ చుది నివేదిక

తెలుగు శాఖ ఆధ్వర్యంలో బిఎ, బీకాం, బీఎస్సీ విద్యార్థులకు తెలుగు భాష సర్టిఫికేట్ కోర్సు 30 రోజుల కాలవ్యవధిలో నిర్వహించాలని కళాశాల ప్రెసిపిటల్ గారి ఆధ్వర్యంలో నిర్దేశించబడింది. డిగ్రీ పైనలియర్ విద్యార్థులు కోర్స్ ఆయిపోయిన తర్వాత వారికి ఉపయోగపడి విధంగా విద్యార్థులకు కావ్యంలో గల అలంకారాలు ప్రయోజనాలు అలాగే అలంకారాలలో భావాన్ని సులభంగా అర్థం అయ్యేలాగా చెప్పుడం, భాషా నైపుణ్యాలను నేర్పించడం ఈ కోర్సు యొక్క ప్రధాన ఉద్దేశం.

సర్టిఫికేట్ కోర్స్ ప్రారంభ సమావేశంలో విద్యార్థులు చాలా ఉత్సాహంగా పాల్గొన్నారు. ప్రెసిపిటల్ గారు విద్యార్థులను ఉద్దేశిస్తూ ఈ సర్టిఫికేట్ కోర్స్ మీకు చాలా ఉపయోగపడుతుంది కాబట్టి విద్యార్థులు ఈ అవకాశాన్ని ఉపయోగించుకుని ఆయా రంగాల్లో ముందుకొచ్చాలని విద్యార్థులకు సూచించారు.

మొత్తం 45 రోజుల పాటు కోర్సు కొనసాగింది. కోర్స్ పూర్తయిన తర్వాత విద్యార్థులకు ముగింపు సమావేశంలో ప్రెసిపిటల్ గారి చేతుల మీదుగా సర్టిఫికేట్లు జారీ చేసి కోర్సును విజయవంతంగా ముగింపాము.

  
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Lecturer in Tel.  
Govt. Degree College  
PATTIKONDA, Kurnool Dist

# ప్రభుత్వ డిగ్రీ కళాశాల, పత్తికొండ

తెలుగు శాఖ 2020-21

సర్టిఫికేట్ కోర్స్: తెలుగు అలంకారాలు

## పాఠ్య ప్రణాళిక:

- తెలుగు అలంకారాలు - పరిచయం
- తెలుగు అలంకారాల- ప్రయోజనము
- తెలుగు అలంకారాలు - శబ్ద అర్థ అలంకారాలు



# Government Degree College, Pattikonda

Pattikonda, Kurnool-518380, A.P.

Affiliated to Rayalaseema University (RZU) Kurnool-

Re-Accredited By NAAC with 'B' Grade

## Department of Telugu

### Certificate of Participant

This is to certify that Mr./Miss./Mrs. \_\_\_\_\_ studying \_\_\_\_\_ success fully completed 'A

Certificate Course in పాఠశాలాంశాల'Organized by Department of Telugu , Government Degree College, Pattikonda, Kurnool (Dt) held from 9-11-2020

to 12-2020.

*S. Sankar*  
Coordinator  
Govt. Degree College,  
PATTIKONDA, Kurnool Dist

*B. K. Sankar*  
PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
Kurnool Dist A P



## Government Degree College, Pattikonda

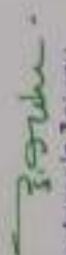
Registration form for తెలుగు అలంకారాలు  
Department of Telugu -Academic Year 2020-21

| క్రమ సంఖ్య | విద్యార్థి పేరు | సంతకం          |
|------------|-----------------|----------------|
| 1.         | A.Bhaskar       | A.Bhaskar      |
| 2.         | B.Jagannatham   | B.Jagannatham  |
| 3.         | K.Veerenji      | K.Veerenji     |
| 4.         | K.Mallikarjuna  | K.Mallikarjuna |
| 5.         | K.Lingamurthy   | K.Lingamurthy  |
| 6.         | M.Balaraju      | M.Balaraju     |
| 7.         | T.Nabiracol     | T.Nabiracol    |
| 8.         | G.T.Aparna      | G.T.Aparna     |
| 9.         | K.Pavan Kumar   | K.palankumar   |

|     |                    |                     |
|-----|--------------------|---------------------|
| 10. | K.Geetha           | K. Geetha           |
| 11. | K.Venkatesh        | K. venkatesh        |
| 12. | M.Imam Hussain     | Imom Hussain        |
| 13. | P.Ramesh           | P. Ramesh           |
| 14. | S.Rahemath Shareef | S. Rahemath Shareef |
| 15. | S.Sahera Banu      | S. sa heru Banu     |
| 16. | S.Harikrushna      | Harikrushna         |
| 17. | B.Mahesh           | B. Mahesh           |
| 18. | B.Vijaya Kumar     | B. Vijaya Kumar     |
| 19. | G.Yaduvamsi        | Yaduvamsi           |
| 20. | K.Anjaneyulu       | K. Anjaneyulu       |
| 21. | K.Rajesh           | K. Rajesh           |
| 22. | M.Sanjeevakarna    | sanjeevakarna       |
| 23. | M.Rajasekhar       | M. Rajasekhar       |
| 24. | N.Lokesh Naik      | N. Lokesh Naik      |
| 25. | N.Upendra Naik     | N. Upendra Naik     |
| 26. | B.Nagabhaskar      | B. Nagabhaskar      |
| 27. | B.Siddaiah         | B. Siddarth         |
| 28. | B.Mahesh Babu      | B. Mahesh Babu      |
| 29. | B.Edukondalu       | B. Edukondalu       |
| 30. | B.Surendra         | Surendra            |
| 31. | C.Murali           | C. Murali           |
| 32. | A.Pushpalatha      | A. pushpalatha      |
| 33. | B.Geethanjali      | B. Geethanjali      |
| 34. | B.Kumaraswamy      | B. Kumaraswami      |
| 35. | B.Anusha           | B. Anusha           |
| 36. | B.Madhu Babu       | B. Madhubabu        |

|     |                |                 |
|-----|----------------|-----------------|
| 37. | B.Mallika      | B. Mallika      |
| 38. | B.Buji         | B. Bujji        |
| 39. | B.Naveen Kumar | B.Naveen Kumar  |
| 40. | B.Ramajineyulu | B. Ramajineyulu |

  
 PRINCIPAL  
 GOVT. DEGREE COLLEGE  
 PATTIKONDA, KURNOOL DIST  
 A.P.

  
 Lecturer in Telugu  
 Govt. Degree College,  
 PATTIKONDA, Kurnool Dist



# Attendance Sheet 2020-21 Certificate Course in Telugu Alankaaraalu

| S.No | Names of the Students | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
|------|-----------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1    | G.Gopala Krishna      | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 2    | M.Manohar             | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 3    | P.Surendra            | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 4    | G.Ranganayakulu       | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 5    | M.RaviPraksh          | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 6    | K.Rajasekhar          | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 7    | B.Ramanjineyulu       | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 8    | P.Pandu               | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 9    | J.Yellamma (W)        | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 10   | U.Sandhya (W)         | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 11   | M.Jyothi (W)          | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 12   | P.Narasimha Naidu     | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 13   | M.Suresh              | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 14   | C.Mallikarjuna        | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 15   | P.Ravikumar           | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 16   | M.Mastan              | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 17   | K.Sarojamma (W)       | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 18   | S.Surendra            | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 19   | M.SaiMeghana(W)       | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 20   | G.Madhu               | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 21   | S.TabaraBabu          | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |





**GOVERNMENT DEGREE COLLEGE, PATTIKONDA**  
**Reaccredited with NAAC B Grade**

**Department of Zoology**



**Certificates Courses in Poultry -Broiler Management**  
**From 2018-19 to 2022-2023**



  
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Kurnool Dist. A.P.



# GOVERNMENT DEGREE COLLEGE, PATTIKONDA

## Department of Zoology 2020-2021

### Minutes of the Department meeting for the conduct of Certificate Course in Poultry Broiler Management

Date: 12-01-2021

The Department of Zoology, a leader in catering student needs, has made the decision to widen opportunities for individuals graduating from our College. There is a considerable need for new graduates for providing self-employment to rural background students. These courses also provide employment to the local individuals and daily livelihood. With the straightforward objective of equipping graduating students with the requisite practical abilities, the Department of Zoology has taken the initiative to provide a Certificate Course in Poultry Broiler Management.

On 12-01-2021, the Department of Zoology held a meeting with its members on the College's premises. The meeting was led by the department members and the Department unanimously decided to organize the Certificate Course in Poultry Broiler Management for degree-seeking students at our College, with the lecturers serving as the course instructors and the Department Head serving as chairman. As promised, the Certificate Course would span 45 days which would be very useful to students.

P. Ramanjaneyulu  
DEPARTMENT OF ZOOLOGY  
Sri P. Ramanjaneyulu  
Govt. Degree College,  
PATTIKONDA, Kurnool  
Contract Faculty

**GOVERNMENT DEGREE COLLEGE, PATTIKONDA**  
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2020-21 Proposals for the Introduction of Certificate

Course in

**Poultry Broiler Management**

Date: 14-01-2021

From  
P.Ramanjaneyulu,  
Lecturer in Zoology,  
Govt. Degree College,  
Pattikonda, Kurnool (Dt).

To  
The Principal,  
Govt. Degree College, Pattikonda,  
Kurnool (Dt).

Respected Sir,

I would like to suggest that the department of Zoology is going to organize a certificate Course in **Poultry Broiler Management** basing on the demands of departing students who are now more regularly communicated to the Department of Zoology from the lowest to the highest levels of employment, this course has become fruitful to students. The Department of Zoology is excited to start the course taking into account all of these factors. This course is also very useful for the students for their self-employment.

The details or the program are

- |                                           |                                                             |
|-------------------------------------------|-------------------------------------------------------------|
| 1. Name of the proposed program           | : A Certificate course in <b>Poultry Broiler Management</b> |
| 2. Duration and timings of the program    | : 45 days                                                   |
| 3. Start date of the program              | : 19-01-2021                                                |
| 4. Course fee                             | : free                                                      |
| 5. No. of students expected for admission | : 30                                                        |

Yours faithfully

  
PRINCIPAL  
Govt. Degree College  
PATTIKONDA, Kurnool Dist



  
In charge of the Department  
Lecturer in Zoology,  
Govt. Degree College,  
PATTIKONDA-518 380; Kurnool Dt.


**Government Degree College, Pattikonda.**

**Department of Zoology 2021-2022**

Date: 09-12-2021

**Circular**

Zoology Department is starting a certificate course in Broiler Management for final year Students, the duration of the courses, which will last 45 days. There is no fee required for the course, and classes will commence on 13-12-2021. If you're interested in enrolling, please register your name at the department soon! After successfully completing the course, you'll receive a certificate.

  
Coordinator  
Lecturer in Zoology  
Govt. Degree College,  
PATTIKONDA-518 302, Kurnool Dt

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Copy for Circulation among the Students



GOVERNMENT DEGREE COLLEGE, PATTIKONDA, KURNOOL DISTRICT

Department of Zoology

Certificate course in poultry – Broilers Management

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SYLLABUS

UNIT - I

- 1.1 Introduction, types of poultry breeds, native, exotic breeds current scenario
- 1.2 Advantages and disadvantages of farming
- 1.3 Broilers housing, equipment and management

UNIT - II

- 2.1 Nutrition and feeding
- 2.2 Diseases control and management
- 2.3 Vaccination schedule for Broilers
- 2.4 Marketing strategy, income and expenditure of Broilers

Government Degree College Pattikonda Kurnool [Dist]

Department Of Zoology

Certificate Course in Poultry-Broiler Management

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**MODEL PAPER**

Time:2Hrs

Max.marks:50

**PART-A**

**I Answer any Two of the following:**

**Draw the diagram wherever necessary**

1. Write an account on Bacterial management of broiler
2. Write about the Bacterial of Broilers
3. Explain different types of Farm house
4. Write about the Viral diseases on Broilers

**PART-B**

**II Answer any FOUR of the following:**

**Draw the diagram wherever necessary**

5. Explain advantages and disadvantages of Poultry farming
6. Explain the present of Poultry in India
7. Describe the methods of Broiler feeding
8. Write Vaccination Schedule for Broilers
9. Explain any two types of feeders
10. Give an account on economic importance of Broilers



2020-2021

19.1.2021-4.3.2021

## REGISTER OF ATTENDANCE &amp; FEES



Name of the Institute

G D C Pattikonda

Certificate Course: Poultry Management

FOR THE MONTH OF

...2020-2021

Section III B 2 C

Place 19.1.2021 to 4.3.2021

| Admission No. |      | NAMES                | 19/1/2021 |   |   |   |   |   |   |   |   |    |    |    | 20/1/2021 |    |    |    |    |    |    |    |    |    |    |    | No. of days present | FEES |    | Date of payment |    |    |    |    |    |     |
|---------------|------|----------------------|-----------|---|---|---|---|---|---|---|---|----|----|----|-----------|----|----|----|----|----|----|----|----|----|----|----|---------------------|------|----|-----------------|----|----|----|----|----|-----|
| Sl. No.       |      |                      | 1         | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13        | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |                     | 25   | 26 |                 | 27 | 28 | 29 | 30 | 31 | Rs. |
| 1             | 8001 | A. puspalatha        | /         | / | a | / | / | / | / | a | / | /  | /  | /  | /         | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /                   | /    | /  | /               | /  | /  | /  | /  |    |     |
| 2             | 8002 | B. Greethanjali      | /         | / | / | / | a | / | / | / | / | /  | /  | /  | /         | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /                   | /    | /  | /               | /  | /  | /  |    |    |     |
| 3             | 8003 | B. Kumar Swamy       | /         | / | / | a | / | / | / | a | / | /  | /  | /  | /         | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /                   | /    | /  | /               | /  | /  | /  |    |    |     |
| 4             | 8004 | B. Anusha            | /         | a | / | / | / | a | / | / | / | /  | /  | /  | /         | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /                   | /    | /  | /               | /  | /  | /  |    |    |     |
| 5             | 8005 | B. Madhu babu        | /         | / | / | / | / | / | / | / | / | /  | /  | /  | /         | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /                   | /    | /  | /               | /  | /  | /  |    |    |     |
| 6             | 8006 | B. Mallika           | /         | / | / | / | / | / | / | / | / | /  | /  | /  | /         | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /                   | /    | /  | /               | /  | /  | /  |    |    |     |
| 7             | 8007 | B. Bujji             | /         | a | / | / | / | / | / | / | / | /  | /  | /  | /         | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /                   | /    | /  | /               | /  | /  | /  |    |    |     |
| 8             | 8008 | B. Abhinav Kumar     | /         | / | / | / | / | / | / | / | / | /  | /  | /  | /         | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /                   | /    | /  | /               | /  | /  | /  |    |    |     |
| 9             | 8009 | B. Ramarajendralu    | /         | / | / | / | / | / | / | / | / | /  | /  | /  | /         | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /                   | /    | /  | /               | /  | /  | /  |    |    |     |
| 10            | 8010 | B. Maha Lakshmi      | a         | / | / | / | / | a | / | / | / | /  | /  | /  | /         | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /                   | /    | /  | /               | /  | /  | /  |    |    |     |
| 11            | 8011 | C. Ashok Kumar       | /         | / | / | / | / | / | / | / | / | /  | /  | /  | /         | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /                   | /    | /  | /               | /  | /  | /  |    |    |     |
| 12            | 8012 | C. Suresh            | /         | / | a | / | / | a | / | / | / | /  | /  | /  | /         | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /                   | /    | /  | /               | /  | /  | /  |    |    |     |
| 13            | 8013 | C. Ajay Kumar        | /         | / | / | / | / | / | / | / | / | /  | /  | /  | /         | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /                   | /    | /  | /               | /  | /  | /  |    |    |     |
| 14            | 8014 | C. Swathi            | /         | / | / | / | / | / | / | / | / | /  | /  | /  | /         | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /                   | /    | /  | /               | /  | /  | /  |    |    |     |
| 15            | 8015 | G. Somanna           | /         | a | / | / | / | / | / | / | / | /  | /  | /  | /         | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /                   | /    | /  | /               | /  | /  | /  |    |    |     |
| 16            | 8016 | G. Surendra          | /         | / | a | / | / | / | / | / | / | /  | /  | /  | /         | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /                   | /    | /  | /               | /  | /  | /  |    |    |     |
| 17            | 8017 | G. Venkatesh         | /         | a | / | / | / | / | / | / | / | /  | /  | /  | /         | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /                   | /    | /  | /               | /  | /  | /  |    |    |     |
| 18            | 8018 | G. Nagalakshmi       | /         | / | / | / | / | / | / | / | / | /  | /  | /  | /         | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /                   | /    | /  | /               | /  | /  | /  |    |    |     |
| 19            | 8019 | H. Chandraiah        | /         | / | a | / | / | a | / | / | / | /  | /  | /  | /         | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /                   | /    | /  | /               | /  | /  | /  |    |    |     |
| 20            | 8020 | J. K. Jyothsnarayana | /         | / | / | / | / | / | / | / | / | /  | /  | /  | /         | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /                   | /    | /  | /               | /  | /  | /  |    |    |     |
| 21            | 8021 | K. Ravi              | /         | a | / | / | / | / | / | / | / | /  | /  | /  | /         | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /                   | /    | /  | /               | /  | /  | /  |    |    |     |
| 22            | 8022 | K. Adilaxmi          | /         | / | a | / | / | / | / | / | / | /  | /  | /  | /         | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /                   | /    | /  | /               | /  | /  | /  |    |    |     |
| 23            | 8023 | M. Adilaxmi          | /         | / | / | a | / | a | / | / | / | /  | /  | /  | /         | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /                   | /    | /  | /               | /  | /  | /  |    |    |     |
| 24            | 8024 | M. Maddilatiamma     | /         | a | / | / | / | / | / | / | / | /  | /  | /  | /         | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /                   | /    | /  | /               | /  | /  | /  |    |    |     |
| 25            | 8025 | M. Surendra          | /         | / | a | / | / | / | / | / | / | /  | /  | /  | /         | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /                   | /    | /  | /               | /  | /  | /  |    |    |     |
|               |      |                      |           |   |   |   |   |   |   |   |   |    |    |    |           |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |                 |    |    |    |    |    |     |
|               |      |                      |           |   |   |   |   |   |   |   |   |    |    |    |           |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |                 |    |    |    |    |    |     |
|               |      |                      |           |   |   |   |   |   |   |   |   |    |    |    |           |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |                 |    |    |    |    |    |     |
|               |      |                      |           |   |   |   |   |   |   |   |   |    |    |    |           |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |                 |    |    |    |    |    |     |
|               |      |                      |           |   |   |   |   |   |   |   |   |    |    |    |           |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |                 |    |    |    |    |    |     |
|               |      |                      |           |   |   |   |   |   |   |   |   |    |    |    |           |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |                 |    |    |    |    |    |     |
|               |      |                      |           |   |   |   |   |   |   |   |   |    |    |    |           |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |                 |    |    |    |    |    |     |
|               |      |                      |           |   |   |   |   |   |   |   |   |    |    |    |           |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |                 |    |    |    |    |    |     |
|               |      |                      |           |   |   |   |   |   |   |   |   |    |    |    |           |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |                 |    |    |    |    |    |     |
|               |      |                      |           |   |   |   |   |   |   |   |   |    |    |    |           |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |                 |    |    |    |    |    |     |
|               |      |                      |           |   |   |   |   |   |   |   |   |    |    |    |           |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |                 |    |    |    |    |    |     |
|               |      |                      |           |   |   |   |   |   |   |   |   |    |    |    |           |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |                 |    |    |    |    |    |     |
|               |      |                      |           |   |   |   |   |   |   |   |   |    |    |    |           |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |                 |    |    |    |    |    |     |
|               |      |                      |           |   |   |   |   |   |   |   |   |    |    |    |           |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |                 |    |    |    |    |    |     |
|               |      |                      |           |   |   |   |   |   |   |   |   |    |    |    |           |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |                 |    |    |    |    |    |     |
|               |      |                      |           |   |   |   |   |   |   |   |   |    |    |    |           |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |                 |    |    |    |    |    |     |
|               |      |                      |           |   |   |   |   |   |   |   |   |    |    |    |           |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |                 |    |    |    |    |    |     |
|               |      |                      |           |   |   |   |   |   |   |   |   |    |    |    |           |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |                 |    |    |    |    |    |     |
|               |      |                      |           |   |   |   |   |   |   |   |   |    |    |    |           |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |                 |    |    |    |    |    |     |
|               |      |                      |           |   |   |   |   |   |   |   |   |    |    |    |           |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |                 |    |    |    |    |    |     |
|               |      |                      |           |   |   |   |   |   |   |   |   |    |    |    |           |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |                 |    |    |    |    |    |     |
|               |      |                      |           |   |   |   |   |   |   |   |   |    |    |    |           |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |                 |    |    |    |    |    |     |
|               |      |                      |           |   |   |   |   |   |   |   |   |    |    |    |           |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |                 |    |    |    |    |    |     |
|               |      |                      |           |   |   |   |   |   |   |   |   |    |    |    |           |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |                 |    |    |    |    |    |     |
|               |      |                      |           |   |   |   |   |   |   |   |   |    |    |    |           |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |                 |    |    |    |    |    |     |
|               |      |                      |           |   |   |   |   |   |   |   |   |    |    |    |           |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |                 |    |    |    |    |    |     |
|               |      |                      |           |   |   |   |   |   |   |   |   |    |    |    |           |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |                 |    |    |    |    |    |     |
|               |      |                      |           |   |   |   |   |   |   |   |   |    |    |    |           |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |                 |    |    |    |    |    |     |
|               |      |                      |           |   |   |   |   |   |   |   |   |    |    |    |           |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |                 |    |    |    |    |    |     |
|               |      |                      |           |   |   |   |   |   |   |   |   |    |    |    |           |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |                 |    |    |    |    |    |     |
|               |      |                      |           |   |   |   |   |   |   |   |   |    |    |    |           |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |                 |    |    |    |    |    |     |
|               |      |                      |           |   |   |   |   |   |   |   |   |    |    |    |           |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |                 |    |    |    |    |    |     |
|               |      |                      |           |   |   |   |   |   |   |   |   |    |    |    |           |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |                 |    |    |    |    |    |     |
|               |      |                      |           |   |   |   |   |   |   |   |   |    |    |    |           |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |                 |    |    |    |    |    |     |
|               |      |                      |           |   |   |   |   |   |   |   |   |    |    |    |           |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |                 |    |    |    |    |    |     |
|               |      |                      |           |   |   |   |   |   |   |   |   |    |    |    |           |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |                 |    |    |    |    |    |     |
|               |      |                      |           |   |   |   |   |   |   |   |   |    |    |    |           |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |                 |    |    |    |    |    |     |
|               |      |                      |           |   |   |   |   |   |   |   |   |    |    |    |           |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |                 |    |    |    |    |    |     |
|               |      |                      |           |   |   |   |   |   |   |   |   |    |    |    |           |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |                 |    |    |    |    |    |     |
|               |      |                      |           |   |   |   |   |   |   |   |   |    |    |    |           |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |                 |    |    |    |    |    |     |
|               |      |                      |           |   |   |   |   |   |   |   |   |    |    |    |           |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |                 |    |    |    |    |    |     |
|               |      |                      |           |   |   |   |   |   |   |   |   |    |    |    |           |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |                 |    |    |    |    |    |     |
|               |      |                      |           |   |   |   |   |   |   |   |   |    |    |    |           |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |                 |    |    |    |    |    |     |
|               |      |                      |           |   |   |   |   |   |   |   |   |    |    |    |           |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |                 |    |    |    |    |    |     |
|               |      |                      |           |   |   |   |   |   |   |   |   |    |    |    |           |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |                 |    |    |    |    |    |     |
|               |      |                      |           |   |   |   |   |   |   |   |   |    |    |    |           |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |                 |    |    |    |    |    |     |
|               |      |                      |           |   |   |   |   |   |   |   |   |    |    |    |           |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |                 |    |    |    |    |    |     |
|               |      |                      |           |   |   |   |   |   |   |   |   |    |    |    |           |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |                 |    |    |    |    |    |     |
|               |      |                      |           |   |   |   |   |   |   |   |   |    |    |    |           |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |                 |    |    |    |    |    |     |
|               |      |                      |           |   |   |   |   |   |   |   |   |    |    |    |           |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |                 |    |    |    |    |    |     |
|               |      |                      |           |   |   |   |   |   |   |   |   |    |    |    |           |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |                 |    |    |    |    |    |     |
|               |      |                      |           |   |   |   |   |   |   |   |   |    |    |    |           |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |                 |    |    |    |    |    |     |
|               |      |                      |           |   |   |   |   |   |   |   |   |    |    |    |           |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |                 |    |    |    |    |    |     |
|               |      |                      |           |   |   |   |   |   |   |   |   |    |    |    |           |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |                 |    |    |    |    |    |     |
|               |      |                      |           |   |   |   |   |   |   |   |   |    |    |    |           |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |                 |    |    |    |    |    |     |
|               |      |                      |           |   |   |   |   |   |   |   |   |    |    |    |           |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |                 |    |    |    |    |    |     |
|               |      |                      |           |   |   |   |   |   |   |   |   |    |    |    |           |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |                 |    |    |    |    |    |     |
|               |      |                      |           |   |   |   |   |   |   |   |   |    |    |    |           |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |                 |    |    |    |    |    |     |

PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518380  
Kurnool Dist. AP

Lecturer in Zoology,  
Govt. Degree College,  
PATTIKONDA-518380, Kurnool Dist.

No. on roll at the beginning of the month

Admitted during the month

Left No. on Roll at end of month

No. of Working days

Average Attendance during the month

No. on Roll during month



# Government Degree College, Pattikonda

## Department of Zoology

2020-2021

### Final Report of Certificate Course in

### Poultry Broiler Management

Poultry Broiler Management Programme was developed & designed by department of zoology with the help of the Principal for III B.Z.C students. By offering the 45-days Certificate course in Poultry Broiler Management has made a humble beginning in its efforts to teach and improve students' practical knowledge for livelihood. The main objective of the course, as decided earlier, was to impart commercial strategy and to create awareness from rural area students. The requirements of final year students are taken into account when creating the basic framework of the course. The feedback from the students was very positive.

The Principal, spoke to the students about the self-employment skills and knowledgeable them of the importance of rich protein values and low cholesterol, as the population is enormously increasing day by day the government also insist animal husbandry and poultry farming in the rural areas. The government also provided financial subsidy to the poultry farmers.

*G. Indiradevi*

DEPARTMENT OF ZOOLOGY  
Coordinator  
Govt. Degree College,  
PATTIKONDA, Kurnool

*[Signature]*  
Principal

GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
Kurnool Dist A P



# Government Degree College

(Accredited By Naac With 'B' Grade)

Pattikonda, Kurnool (Dt), A.P. 518380.



## Academic Year 2021-22

| S.No | Name of Add on / Certificate Programs offered | Name of the Department               | Duration of Course | Number of Students enrolled in the year |
|------|-----------------------------------------------|--------------------------------------|--------------------|-----------------------------------------|
| 1.   | IOT Application Development                   | Department of Computer Science       | 37                 | 40                                      |
| 2.   | Logical Reasoning                             | Department of Mathematics            | 45                 | 25                                      |
| 3.   | General Health and Insurance                  | Department of Economics              | 45                 | 20                                      |
| 4.   | Ornamental Fish farming                       | Department of Aquaculture Technology | 45                 | 25                                      |
| 5.   | Water Analysis                                | Department of Chemistry              | 45                 | 30                                      |
| 6.   | Certificate Course in Tally 7.5               | Department of Commerce               | 45                 | 40                                      |
| 7.   | Museum management                             | Department of History                | 30                 | 15                                      |
| 8.   | AC devices – Repairs                          | Department of Physics                | 30                 | 20                                      |
| 9.   | Western Political Thought                     | Department of Political Science      | 45                 | 15                                      |
| 10   | Telugu Typing                                 | Department of Telugu                 | 30                 | 30                                      |
| 11   | Spoken English                                | Department of English                | 40                 | 40                                      |
| 12   | Poultry Broiler Management                    | Department of Zoology                | 45                 | 25                                      |



**Dr. R. MADHURI**, M.Sc, M.Phil. Ph.D.,

**PRINCIPAL**

Government Degree College  
PATTIKONDA., Kurnool Dist., A.P.



**Government Degree College**

**Pattikonda, Kurnool (Dt).**

**Department of Computer  
Science**



**A Certificate course in  
IOT Application  
Development  
for the year-2021-22**

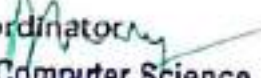


# Government Degree College, Pattikonda.

## Department of Computer Science

Date: 02-12-2021

All the final year degree students are hereby informed that the Department of Computer Science is going to start a certificate course in IOT Application Development. The duration of the course is 37 days. Students need not pay any fee for the course. The classes will commence from 06-12-2021. Interested students are required to register their names in Computer Science department. After successful completion of the course certificate will be provided to the students.

  
Coordinator  
Lecturer in Computer Science  
Govt. Degree College  
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Kurnool Dist A P

# GOVERNMENT DEGREE COLLEGE, PATTIKONDA

## Proposal for the Introduction of Certificate

### Course in

### IOT Application Development

Date: 02-12-2021

From  
P.Suryachandra,  
Lecturer in C.S,  
Head of Department  
Govt. Degree College  
Pattikonda, Kurnool (Dt).

To  
The Principal,  
Govt. Degree College, Pattikonda  
Kurnool (Dt).

Respected Madam,

I would like to suggest that the department of Computer Science is going to organize a certificate Course in IOT Application Development basing on the demands of departing students. The Department of C.S is excited to start the course.

The details or the program are

- |                                           |                                  |
|-------------------------------------------|----------------------------------|
| 1. Name of the proposed program           | : IOT Application Development    |
| 2. Duration and timings of the program    | : 37 days                        |
| 3. Start date of the program              | : 06 <sup>th</sup> December 2021 |
| 4. Course fee                             | : free                           |
| 5. No. of students expected for admission | : 40                             |

Yours faithfully

Head of Department Computer Science  
Lecturer in Computer Science  
Govt. Degree College  
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Kurnool Dist: A.P

  
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Kurnool Dist A P

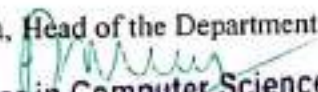
**GOVERNMENT DEGREE COLLEGE, PATTIKONDA**  
**Department of Computer Science**  
**Minutes of the Department meeting for the conduct of**  
**Certificate Course in IOT Application Development**

Date: 01-12-2021

The Department of Computer Science, a leader in catering to student needs, has made the decision to widen opportunities for individuals graduating from our College. There is a considerable need for graduates with IOT Application Development skills due to the expanding job market, which has been particularly visible in the globalized sector. With the straightforward objective of equipping graduating students with the requisite practical IOT Application Development skills, the Department of Computer Science has taken the initiative to provide a Certificate Course in IOT Application Development.

On 01-12-2021, the Department of Computer Science held a meeting with its members on the College's property. The conference was led by the department head, P.Suryachandra, The Department unanimously decided to organize the Certificate Course in IOT Application Development for degree-seeking students at our College, with the lecturers serving as the course instructors and the Department Head serving as chairman. As promised, the Certificate Course would span 37 days.

I. Sri P.Suryachandra, Head of the Department :

  
**Lecturer in Computer Science**  
**Govt. Degree College**  
**PATTIKONDA-518 380.**  
**Kurnool Dist. A.P**

Principal

  
**PRINCIPAL**  
**GOVT DEGREE COLLEGE**  
**PATTIKONDA-518 380**  
**Kurnool Dist A P**




**A  
Certificate Course  
In  
IOT Application Development  
SYLLABUS**

**Module 1 :** Introduction to Hardware Components Basic concept of IOT, Stakeholders, components, hardware used SOC Arduino, NodeMCU Rpi Sensors PIR, temperature, LDR Camera, Fingerprint reader, RFID reader, moisture humidity sensor etc Actuators display devices LCD, Buzzers, Motors, Relay etc Networking Connectivity Ethernet, Bluetooth, WiFi etc Concept of cloud based data connectivity.

**Module 2 :** Introduction to software Components : Mobile App development using latest trending technologies like android studio, MIT app inventor, python programming with opencv library etc. Embedded C Programming Arduino IDE, Raspberry Pi OS

**Module 3:** Introduction to Project Lifecycle Prototype to Implementation. Demonstration to two different working projects with important concepts. Different project ideas based on similar concepts.

  
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## List of students Registered for IOT Application Development 2021-22

| S.No | Name of the Students     |
|------|--------------------------|
| 1    | J.Govindu Naik           |
| 2    | C.Veeraprasad            |
| 3    | V.Venkatesh              |
| 4    | S.Mastan Vali            |
| 5    | K.Jagadesh               |
| 6    | B.Lakshmi Prasanna (W)   |
| 7    | U.SriJyothika (W)        |
| 8    | Y.Usha (W)               |
| 9    | K.Lavanya (W)            |
| 10   | K.Hareesh                |
| 11   | M.Babafiroz              |
| 12   | T.Mohammad Makthum Vali  |
| 13   | K.Raja Ramesh            |
| 14   | C.Krishnaveni            |
| 15   | B.Nagalakshmi            |
| 16   | B.C.Rammohan             |
| 17   | S.Sai Viswanath          |
| 18   | E.Rajesh                 |
| 19   | S.Khasmi Vali            |
| 20   | B.Prakash                |
| 21   | K.Sulochana (W)          |
| 22   | S.Mansoor Basha          |
| 23   | Achukatla Shainaz        |
| 24   | Arekanti Anjaneyulu      |
| 25   | Bandala Chandra Mohan    |
| 26   | Bana Kalpana             |
| 27   | Barika Latha             |
| 28   | Bogimi Mahalakshmi       |
| 29   | Boya Rakshitha           |
| 30   | Boya Sai Kumari          |
| 31   | Burujula Pui Raju        |
| 32   | Cheruvu Ramesh           |
| 33   | Chevula Anitha           |
| 34   | Chinna Musali Chakradhar |
| 35   | Chinnakesi Pandu         |
| 36   | Dudekonda Chandrakala    |
| 37   | Ediga Nagalakshmi        |
| 38   | Golla Ramanjineyulu      |
| 39   | Golla Ramesh             |
| 40   | Gunthakanti Venkatesh    |

  
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# REGISTER OF ATTENDANCE & FEES

FOR THE MONTH OF February 2021



Name of the Institute \_\_\_\_\_

Section \_\_\_\_\_

Place \_\_\_\_\_

| Sl. No |  | Admission No. | NAMES                    | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | No. of days present | FEES Rs. P | Date of payment |
|--------|--|---------------|--------------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---------------------|------------|-----------------|
| 1      |  |               | T. Govindulu Malik       | P | P | P | P | A | D | P | P | P | P  | P  | A  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |            |                 |
| 2      |  |               | C. Veena prasad          | P | P | A | P | P | P | P | P | P | P  | P  | A  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |            |                 |
| 3      |  |               | V. Venkatesh             | P | P | P | P | P | A | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |            |                 |
| 4      |  |               | S. Mastanwali            | P | A | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |            |                 |
| 5      |  |               | K. Jagadeesh             | P | P | A | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |            |                 |
| 6      |  |               | G. lakshmi prasanna      | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |            |                 |
| 7      |  |               | V. Saikrishna            | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |            |                 |
| 8      |  |               | Y. Vishal                | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |            |                 |
| 9      |  |               | K. Lavanya               | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |            |                 |
| 10     |  |               | K. Vignesh               | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |            |                 |
| 11     |  |               | M. Babaraj               | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |            |                 |
| 12     |  |               | T. Mohanraj Mathuramalai | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |            |                 |
| 13     |  |               | K. Raja Ramesh           | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |            |                 |
| 14     |  |               | C. Kalishavani           | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |            |                 |
| 15     |  |               | B. Nagalakshmi           | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |            |                 |
| 16     |  |               | B.C. Ramachan            | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |            |                 |
| 17     |  |               | S. Sai Viswanath         | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |            |                 |
| 18     |  |               | E. Rajesh                | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |            |                 |
| 19     |  |               | S. Khawari Vair          | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |            |                 |
| 20     |  |               | B. Jayarajesh            | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |            |                 |
| 21     |  |               | K. Subhanya              | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |            |                 |
| 22     |  |               | S. Manoj Prasad          | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |            |                 |
| 23     |  |               | A. Shafiq                | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |            |                 |
| 24     |  |               | A. Anjanayulu            | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |            |                 |
| 25     |  |               | B. Chandan Mohan         | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |            |                 |
| 26     |  |               | B. Kalpana               | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |            |                 |
| 27     |  |               | B. Latha                 | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |            |                 |
| 28     |  |               | B. Mahalakshmi           | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |            |                 |
| 29     |  |               | B. Rakshi Tha            | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |            |                 |
| 30     |  |               | B. Sai kumarji           | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |            |                 |

No. on roll at the beginning of the month \_\_\_\_\_

Admitted during the month \_\_\_\_\_

Left No. on Roll at end of month \_\_\_\_\_

No. of Working days \_\_\_\_\_

Average Attendance during the month \_\_\_\_\_

No. on Roll during month \_\_\_\_\_

Lecturer in Computer Science  
Govt Degree College  
PATTIKONDA-518 380.  
Machilipatnam Dist. A.P.



FOR THE MONTH OF September 2020

Place

[illegible]



# REGISTER OF ATTENDANCE & FEES

FOR THE MONTH OF January 2022



Name of the Institute

Section

Place

| Sl. No. | Admission No. | NAMES                                                                                            | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | No. of days present | FEES<br>Rs. P. | Date of payment |
|---------|---------------|--------------------------------------------------------------------------------------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---------------------|----------------|-----------------|
| 1       |               | J. Ganvicku Nolk                                                                                 | P | P | A | P | P | P | P | P |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                |                 |
| 2       |               | C. Veeraprasad                                                                                   | P | P | P | P | A | P | P | P |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                |                 |
| 3       |               | V. Venkatesh                                                                                     | P | P | P | A | P | P | P | P |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                |                 |
| 4       |               | S. Manjunath                                                                                     | P | A | P | P | P | P | P | P |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                |                 |
| 5       |               | K. Jagadeesh                                                                                     | P | P | P | A | P | P | P | P |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                |                 |
| 6       |               | B. Lakshmi Prasanna                                                                              | P | P | P | P | P | A | P | P |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                |                 |
| 7       |               | U. Sridharika                                                                                    | P | P | P | A | P | P | P | P |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                |                 |
| 8       |               | Y. Usha                                                                                          | P | P | P | A | P | P | P | P |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                |                 |
| 9       |               | K. Lavanya                                                                                       | A | P | P | P | P | P | P | P |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                |                 |
| 10      |               | K. Jaganesh                                                                                      | P | P | P | A | P | P | P | P |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                |                 |
| 11      |               | M. Subashini                                                                                     | P | P | P | P | P | P | P | P |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                |                 |
| 12      |               | T. Mahamed muthum veli                                                                           | P | P | A | P | P | P | P | P |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                |                 |
| 13      |               | K. Raja Ramesh                                                                                   | P | P | A | P | P | P | P | P |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                |                 |
| 14      |               | C. Krishnaveni                                                                                   | P | A | P | P | P | P | P | P |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                |                 |
| 15      |               | B. Annaprasanthi                                                                                 | P | P | P | P | P | P | P | P |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                |                 |
| 16      |               | B. C. Radhika                                                                                    | P | P | A | P | P | P | P | P |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                |                 |
| 17      |               | S. Sai Vasanth                                                                                   | A | P | P | P | P | P | P | P |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                |                 |
| 18      |               | E. Rajesh                                                                                        | P | P | A | P | P | P | P | P |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                |                 |
| 19      |               | S. Krishna Veli                                                                                  | P | P | P | A | P | P | P | P |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                |                 |
| 20      |               | B. Prakash                                                                                       | P | A | P | P | P | P | P | P |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                |                 |
| 21      |               | K. Subashini                                                                                     | P | P | P | P | P | P | P | P |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                |                 |
| 22      |               | S. Manoj Kumar                                                                                   | P | P | P | A | P | P | P | P |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                |                 |
| 23      |               | A. Shrivani                                                                                      | P | P | P | P | P | A | P | P |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                |                 |
| 24      |               | A. Anjanayulu                                                                                    | P | P | P | P | P | P | P | P |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                |                 |
| 25      |               | K. Chandan Mohan                                                                                 | P | A | P | P | P | P | P | P |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                |                 |
| 26      |               | B. Kalpana                                                                                       | P | A | P | P | P | P | P | P |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                |                 |
| 27      |               | B. Lakshmi                                                                                       | P | P | P | P | P | A | P | P |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                |                 |
| 28      |               | B. Mahalakshmi                                                                                   | P | P | A | P | P | P | P | P |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                |                 |
| 29      |               | B. Rakshika                                                                                      | P | A | P | P | P | P | P | P |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                |                 |
| 30      |               | B. Sai Kumar                                                                                     | P | P | P | A | P | P | P | P |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                |                 |
|         |               | Number present M<br>Daily E                                                                      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                |                 |
|         |               | Initials M<br>E                                                                                  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                |                 |
|         |               | Lecturer in Computer Science<br>Govt. Degree College<br>PATIKONDA-518 380.<br>Kurnool Dist. A.P. |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                |                 |

No. on roll at the beginning of the month

Admitted during the month

Left No. on roll at end of month

No. at Working days

Average Attendance during the month

No. on Roll during month



FOR THE MONTH OF January 2022

Place

[illegible]



# **Model question paper (2021-22)**

## **IOT Application Development Certificate Course**

**Time 01:00**

**Maximum Marks: 50**

1. What is the full form of IANA?

- a) Internal Assessment Numerical Access
- b) Internet Association Numbers Authority
- c) International Aid For Network Automation
- d) Internet Assigned Numbers Authority

2. IoT stands for:

- a) Internet of Tech
- b) Incorporation of Things
- c) Internet of Things
- d) Incorporation of Technology

3. Which of the following can not be considered an IoT device?

- a) Smartwatch
- b) Andriod Phone
- c) Laptop
- d) Tubelight

4. Which is not an IoT platform?

- a) Xiaomi Cloud
- b) GoogleCloud
- c) Myntra
- d) AWS(Amazon Web Services)

5. Which of the following can not be considered an IoT device?

- a) Smartwatch
- b) Andriod Phone
- c) Laptop
- d) Tubelight

Q

6. IoT is based on \_\_\_\_\_ technology.

- a) Hardware
- b) Software
- c) None
- d) Both of these

7. What is the standard form of RFID?

- a) Radio Frequency Identification
- b) Radio Waves Frequency Identification
- c) Radio Frequency InterDependent
- d) Radio Wave Frequency Independent

8. What is considered the standard length for a MAC Address?

- a) 8 bits
- b) 32 bits
- c) 48 bits
- d) None of these

9. What "bit" represents the address bit in the control register?

- a) MML
- b) ML
- c) MX
- d) MM

10. What is mandatory for an IP Packet to contain?

- a) Destination IP Address
- b) Source IP Address
- c) Both of these
- d) None of these

11. At which level does the router operate in the OSI reference model?

- a) Data Link
- b) Network
- c) Physical
- d) None of these

12. What is an IoT network?

- a) a collection of networked devices
- b) a collection of interconnected devices
- c) a collection of signalled devices
- d) None of the above

13. Full form of MQTT?

- a) Message Queue Telemetry Transport
- b) Messenger Queue Telemetry Transport
- c) Message Queuery Telemetry Transport
- d) None of these

14. Full-Form of VNC:

- a) Virtual network of computers
- b) Very network of computers
- c) Virtual network for communication
- d) Virtual network computing

15. What is the java extension file used in IoT?

- a) .jar
- b) .obj
- c) .cpp
- d) .exe

16. Which one out of these is not a Data Link Layer Technology?

- a) Bluetooth
- b) Wifi
- c) HTTP
- d) Mobile Hotspot

17. What is the standard form of LLN?

- a) Lower Lossy Network
- b) Low Power Lossy Network
- c) Lossy Low Power Network
- d) Low Lossy Powered Network



18. What type of interface is used by fingerprint sensors to collect data?

- a) IPI interface
- b) UART interface
- c) I2P interface
- d) None

19. How many wires does the SPI protocol use?

- a) 3
- b) 4
- c) 2
- d) More than 4

20. Which of the following things is mandatory for the IoT gateway to provide?

- a) Simple and secure installation
- b) Data network and storage
- c) Software Security
- d) Protocol abstraction

21. In which of the following way, data is associated with an IoT device:

- a) Internet
- b) Network connection
- c) Cables
- d) Cloud

22. Full form of HART:

- a) Highway Address Remote Transmitter
- b) Highway Addressable Remote Transducer
- c) Highway Addressable Router Transmitter
- d) Highway Address Remote Transmitter

23. Full form of LPWAN:


- a) Low Power Wide Area Network
- b) Lower Power Wide Area of Network
- c) Low Protocol Wide Area of Network
- d) Long Protocol Wider Area Network

24. What do API systems enable?

- a) Networks service portability is allowed by API
- b) Systems service portability is allowed by API
- c) Device service portability is allowed by API
- d) All of these

25. What do RETful API systems allow the user?

- a) to enhance security
- b) to modify communication capability
- c) to control electronic components
- d) All of these

  
Lecturer in Computer Science  
Govt. Degree College  
PATTIKONDA-518 380.  
Kurnool Dist. A.P



# Government Degree College

Pattikonda, Kurnool-518380, A.P.  
Affiliated to Rayalaseema University (RU) Kurnool  
Re-Accredited By NAAC with 'B' Grade

## Department of Computer Science

### Certificate Of Participation

This is to certify that Mr./Miss./Mrs. \_\_\_\_\_ studying \_\_\_\_\_ successfully completed 'A Certificate Course in IOT Application Development' Organized by Department of Computer Science, Government Degree College, Pattikonda, Kurnool(Dt) held from 05-12-2021 to 20-01-2022.

  
**Coordinator**  
Lecturer in Computer Science  
Govt. Degree College  
PATTIKONDA-518 380.  
Kurnool Dist. A.P

  
**Principal**  
PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
Kurnool Dist. A.P




**Government Degree College, Pattikonda**  
**Department of Computer Science**  
**Final Report of Certification Course in IOT Application**  
**Development**


During this course, students delved deep into Understand basic concepts of IOT technology. Understanding of four core components required to build IOT applications , Sensor/ Devices , Connectivity / Networking , Data Processing, UI, Develop one complete IOT solution from design to implementation using Real Time data and RTOS. Through hands-on exercises and real-world examples, they gained a solid understanding of IOT Application Development syntax and best practices, enabling them to write clean, efficient, and maintainable code. Completing this course has added a new skill to their knapsack, empowering them to tackle programming challenges and contribute effectively to data analysis. The aforementioned course began on December 06, 2021, and ended on January 20, 2022. The pupils' response was very positive. The Seminar Hall was crowded with eager students for its first presentation.

The principal, Dr. R Madhuri, spoke to the students and informed them of the significance of technology in both the social and business spheres. She also praised the work of the department of Computer science and complimented Sri.P.Suryachandra, HOD, who served as the course's architect. The course had a high turnout of students. Regular attendance for the classes, which ran from 04.00 PM to 5:30 PM, was 40 students.

The sessions were engaging, educational, and fascinating. The students were able to comprehend how to learn and understand IOT with the use of hands-on activities, films, handouts, seminars, quizzes, suggested books, and engaging exercises. The pupils' confidence level was raised via brainstorming sessions, discussions, group exercises. The complete course took place; The Course ran its entire course of 37 days and also took informal inputs from the students for making the course better next time.

After the successful completion of the said Certificate course, a valedictory function was held on 20<sup>th</sup> January 2022. The Principal of the College, graced the occasion. The meeting was presided over by the HOD, Sri P. Suryachandra. Vote of thanks was proposed by other members.

  
Lecturer in Computer Science  
Govt. Degree College  
PATTIKONDA-518 380.  
Kurnool Dist. A.P

  
PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
Kurnool Dist A P



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# DEPARTMENT OF MATHEMATICS



**Certificate Course**  
**In**  
**Logical Reasoning**  
**(2021-22)**

**GOVERNMENT DEGREE COLLEGE, PATTIKONDA**  
**PROPOSAL FOR THE INTRODUCTION OF CERTIFICATE COURSE IN**  
**MATHEMATICS**

DATE: 20/10/2021

From  
Sri. S Abhilash Anand Kumar,  
Lecturer in Mathematics,  
Head of Department  
Govt. Degree College  
Pattikonda,  
Kurnool (Dt).

To  
The Principal,  
Govt. Degree College,  
Pattikonda  
Kurnool (Dt).

Respected Sir,

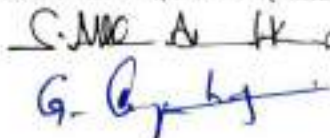
I would want to suggest that our college hold a certificate programme Logical Reasoning the demands of departing students are now more regularly communicated to the Department of mathematics. From the lowest to the highest levels of employment, Logical Reasoning has become fruitful to students. The Department of mathematics is excited to start the course taking into account all of these factors.

The details of the program are

- |                                           |                     |
|-------------------------------------------|---------------------|
| 1. Name of the proposed program           | : Logical Reasoning |
| 2. Duration and timings of the program    | : 45 Days           |
| 3. Start date of the program              | : 15 November 2021  |
| 4. Course fee                             | : free              |
| 5. No. of students expected for admission | : 25                |

  
PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
Kurnool Dist. A.P.

Yours faithfully  
Head of the Department(Mathematics)

  
G. G. S. S.

## Meeting-03

20/10/2021 53

Resolved

We Both newly joined lecturers had met in the department of Mathematics to discuss about sharing of papers and groups for both the individuals & also about conducting of Certificate course.

It is resolved to deal the following papers by the Individuals

1. S. Abhilash Anand Kumar — Paper-I Differential Equations

Paper-II Algebra

2. Dr. S. V. Rajasekhara Reddy — Paper-III Solid Geometry

Paper-IV Vector Calculus

Printing

It is resolved to take remedial classes for the students who are failed.

It is resolved to start a Certificate course in Logical reasoning from 15/11/2021 to 01/02/2022.

S. Abhilash Anand Kumar

S. V. Rajasekhara Reddy

DEPARTMENT OF MATHEMATICS

Govt. Degree College,

PATTIKONDA, Kurnool (Dist.)

S. Abhilash Anand Kumar

DEPARTMENT OF MATHEMATICS

Govt. Degree College,

PATTIKONDA, Kurnool (Dist.)

G. S. Reddy



# Government Degree College, Pattikonda

## Department of Mathematics

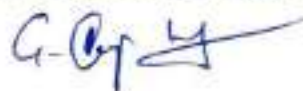
Date: 20-10-2021

All the final year degree students are hereby informed that the Department of Mathematics is going to start a certificate course in Logical Reasoning the duration of the course is 45 days. Students need not pay any fee for the course. The classes will commence from 15-11-2021. Interested students are required to register their names in Mathematics Department. After successful completion of the course certificate will be provided to the students.

Coordinator



DEPARTMENT OF MATHEMATICS  
Govt. Degree College,  
PATTIKONDA, Kurnool (Dist).



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Copy for Circulation among the Students

# **A Certificate Course in Logical Reasoning**

## **SYLLABUS**

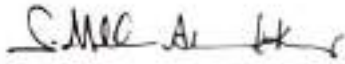
### Unit 1: Introduction to Logical Reasoning

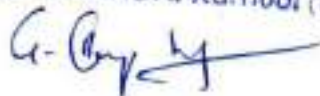
1. Introduction to Logical Reasoning: Overview of logical reasoning and its importance in problem-solving.
2. Critical Thinking: Developing critical thinking skills, identifying assumptions, and evaluating arguments.
3. Deductive Reasoning: Understanding deductive reasoning, syllogisms, and categorical logic.
4. Inductive Reasoning: Exploring inductive reasoning, generalizations, and analogies.
5. Analytical Reasoning: Introduction to analytical reasoning, including logical puzzles, seating arrangements, and coding-decoding problems.

### Unit 2: Problem-Solving Techniques

1. Decision Making: Strategies for effective decision making, including cost-benefit analysis and decision trees.
2. Problem Analysis: Techniques for analyzing problems, identifying causes, and finding solutions.
3. Logical Interpretation: Interpreting and analyzing data, charts, and graphs using logical reasoning.
4. Verbal and Non-Verbal Reasoning: Understanding verbal and non-verbal reasoning patterns, including series completion, analogy, and classification.
5. Practice Exercises: Engaging in practical exercises and solving logical reasoning problems to reinforce concepts.

Note that this condensed syllabus covers essential topics in logical reasoning. However, keep in mind that a comprehensive course would typically include additional units covering topics such as argument evaluation, propositional logic, and more advanced problem-solving techniques.

  
DEPARTMENT OF MATHEMATICS  
Govt. Degree College,  
PATTIKONDA, Kurnool (Dist).



# Model question paper (2021-22)

## Certificate Course in Logical Reasoning

Time 02:00 Hrs

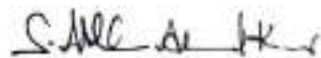
Maximum Marks: 50

### Section A: Verbal Reasoning

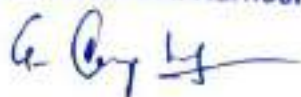
1. Select the option that best completes the analogy:  
Apple is to fruit as carrot is to \_\_\_\_\_. a) Vegetable b) Leaf c) Plant d) Salad
2. If all cats are dogs, and some dogs are mice, which of the following statements must be true? a) All cats are mice. b) Some cats are mice. c) All dogs are mice. d) Some mice are cats.
3. Select the word that does not belong to the group:  
a) Chair b) Table c) Couch d) Lamp
4. Rearrange the following letters to form a meaningful word and choose the correct option:  
L E D U R a) Rule b) Dure c) Duel d) Lure
5. If A = 1, B = 2, C = 3, and so on, what is the numerical value of the word "LOGIC"? a) 34 b) 48 c) 49 d) 55

### Section B: Analytical Reasoning

6. If all birds can fly and some animals can fly, which of the following statements must be true? a) All animals can fly. b) Some birds are animals. c) Some animals are birds. d) All birds are animals.
7. Arrange the following statements in a logical sequence:  
I. Conclusion II. Premise III. Evidence  
a) I, II, III b) III, II, I c) II, III, I d) II, I, III
8. In a family of six people—Adam, Ben, Carol, David, Emma, and Fiona—David is Carol's brother, Emma is Ben's sister. Fiona is Adam's sister. Who is Emma's brother?  
a) Adam b) Ben c) Carol d) David
9. If 8 men can complete a project in 16 days, how many days will it take for 4 men to complete the same project? a) 4 b) 8 c) 16 d) 32
10. A group of friends—Amy, Bob, Chris, and Dave—goes to a party. If Amy does not know Bob, and Chris does not know Dave, who among the four is most likely to know everyone at the party? a) Amy b) Bob c) Chris d) Dave




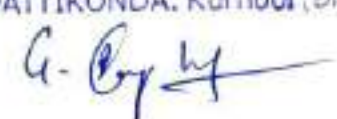
DEPARTMENT OF MATHEMATICS  
Govt. Degree College,  
PATTIKONDA, Kurnool (Dist).





# List of students Registered for Logical Reasoning 2021-22

| S.No | Register Number | Admission Number | Name of the Students    |
|------|-----------------|------------------|-------------------------|
| 1    | 19362048001     | 5359             | B.Urukundu              |
| 2    | 19362048002     | 5361             | K.Praveen Kumar         |
| 3    | 19360048002     | 5363             | C.Veeraprasad           |
| 4    | 19360048013     | 5364             | V.Venkatesh             |
| 5    | 19360048003     | 5378             | C.Krishnaveni           |
| 6    | 19360048001     | 5367             | B.Lakshmi Prasanna (W)  |
| 7    | 19360048012     | 5368             | U.Sriyothika (W)        |
| 8    | 19360048014     | 5369             | Y.Usha (W)              |
| 9    | 19360048009     | 5373             | M.Babafiroz             |
| 10   | 19360048011     | 5375             | T.Mohammad Makthum Vall |
| 11   | 19358048001     | 5314             | S.Tahera Banu (W)       |
| 12   | 19358048003     | 5319             | B.Srikanth              |
| 13   | 19358048041     | 5325             | T.Runuka Bai (W)        |
| 14   | 19358048021     | 5326             | G.Mallika (W)           |
| 15   | 19358048019     | 5336             | G.Udde Chinna           |
| 16   | 19358048031     | 5354             | M.Vineetha (W)          |
| 17   | 19358048005     | 5355             | B.Pravalika (W)         |
| 18   | 19232048005     | 5302             | S.Surendra              |
| 19   | 19232048004     | 5303             | M.Sai Meghana (W)       |
| 20   | 19110048014     | 5277             | M.Manohar               |
| 21   | 19110048003     | 5283             | B.Ramanjineyulu         |
| 22   | 19110048019     | 5292             | P.Ravikumar             |
| 23   | 19110048023     | 5297             | V.V.Anand               |
| 24   | 19110048002     | 5298             | B.Kumaraswamy           |
| 25   | 19110048013     | 5287             | M.Jyothi (W)            |

  
 DEPARTMENT OF MATHEMATICS  
 Govt. Degree College,  
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# Government Degree College

Pattikonda, Kurnool-518380, A.P.

Affiliated to Rayalaseema University (RU) Kurnool

Re-Accredited By NAAC with 'B' Grade

## Department of Mathematics

### Certificate of Participation

This is to certify that Mr./Miss./Mrs. \_\_\_\_\_

studying \_\_\_\_\_ successfully completed 'A Certificate Course in

Logical Reasoning 'Organized by Department of Mathematics, Government Degree College, Pattikonda, Kurnool(Dt) held from 15-11-2021 to 01-02-2022.

Coordinator

Principal



All New

# REGISTER

Of

OFFICE  
ATTENDANCE

2021-22

Name DEPARTMENT OF  
MATHEMATICS  
Certificate Course

**Srinivasa®**





### Attendance

## Register

Abstract: 04C.A.020.2

Year 2021

| S. No. | NAME                   | Designation | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|--------|------------------------|-------------|---|---|---|---|---|---|---|---|---|----|
| 1.     | B. Daskunda            |             | X | X | X | a | X | X | X | X | X | X  |
| 2.     | K. Praveen Kumar       |             | a | X | X | a |   | X | X | X | X | X  |
| 3.     | C. Veeraswamid         |             | X | X | X | X |   | X | X | X | X | X  |
| 4.     | V. Venkatesh           |             | a | X | X | X |   | a | X | X | X | X  |
| 5.     | C. Krishnakant         |             | X | X | X | X |   | a | X | X | X | X  |
| 6.     | B. Lakshmi Prasanna    |             | a | X | X | X |   | a | X | X | X | X  |
| 7.     | D. Sriyathika          |             | X | X | X | X |   | X | X | X | X | X  |
| 8.     | Y. Usha                |             | a | X | X | X |   | X | X | X | X | X  |
| 9.     | M. Bakhtooz            |             | X | X | X | X |   | X | X | a | X | X  |
| 10.    | T. Mohammad Makhum wot |             | X | X | X | X |   | X | X | a | X | X  |
| 11.    | S. Jahara Bani         |             | X | X | X | X |   | X | X | X | X | X  |
| 12.    | B. Srikanth            |             | X | X | X | X |   | X | X | X | X | X  |
| 13.    | T. Renuka Bai          |             | X | X | a | a | 4 | X | X | X | X | X  |
| 14.    | G. Mallika             |             | X | X | a | X | 0 | X | X | X | X | X  |
| 15.    | G. Adde chenna         |             | X | X | a | X | 2 | X | X | X | a | X  |
| 16.    | M. Vaneetha            |             | X | X | a | X | 0 | X | X | X | X | X  |
| 17.    | B. Prasavika           |             | X | X | X | X | 9 | X | X | X | a | X  |
| 18.    | S. Suresh              |             | a | X | X | X |   | X | X | X | a | X  |
| 19.    | M. Sri Meghana         |             | a | X | X | X |   | X | X | a | X | X  |
| 20.    | M. Mahesh              |             | X | X | X | X |   | X | X | a | X | X  |
| 21.    | B. Ramaningolu         |             | X | X | X | X |   | X | X | X | X | X  |
| 22.    | P. Raktumar            |             | X | X | a | X |   | X | X | X | X | X  |
| 23.    | V. V. Anand            |             | X | X | a | X |   | X | X | X | X | X  |
| 24.    | B. Kumaraswamy         |             | a | X | X | X |   | X | X | X | X | X  |
| 25.    | M. Jayathi             |             | X | X | X | X |   | X | X | X | X | X  |

[illegible]



### Attendance

## Register

Page 2-0 4-9

| S. No. | NAME                 | Designation | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|--------|----------------------|-------------|---|---|---|---|---|---|---|---|---|----|
| 1.     | B. Usukundu          |             | X | X | X | X | X | X |   |   |   |    |
| 2.     | K. Prasanna Kumar    |             | X | X | X | X | X | X |   |   |   |    |
| 3.     | C. Veerasaibab       |             | X | X | X | X | X | X |   |   |   |    |
| 4.     | V. Venkatesh         |             | 0 | X | X | X | X | 0 |   |   |   |    |
| 5.     | C. Kasthavan         |             | 0 | X | X | X | X | X |   |   |   |    |
| 6.     | B. Lakshmi Prasanna  |             | X | X | X | X | X | 0 |   |   |   |    |
| 7.     | U. Saijyothika       |             | 0 | X | X | X | X | X |   |   |   |    |
| 8.     | Y. Usha              |             | 0 | X | X | X | X | X |   |   |   |    |
| 9.     | M. Babafiaz          |             | 0 | X | X | 0 | X | X |   |   |   |    |
| 10.    | T. Mohammed Makkhuma |             | X | X | X | 0 | X | X |   |   |   |    |
| 11.    | S. Tahesa Baria      |             | X | X | X | X | X | 0 |   |   |   |    |
| 12.    | B. Srikanth          |             | 0 | X | X | X | X | X |   |   |   |    |
| 13.    | T. Renuka Bai        |             | 0 | X | X | X | X | X |   |   |   |    |
| 14.    | G. Manika            |             | X | 0 | X | 0 | X | X |   |   |   |    |
| 15.    | G. Uday Channa       |             | X | 2 | X | X | X | X |   |   |   |    |
| 16.    | M. Vinetha           |             | X | 2 | X | X | X | X |   |   |   |    |
| 17.    | B. Pravalika         |             | X | 4 | X | X | X | X |   |   |   |    |
| 18.    | S. Susendha          |             | 0 | X | 0 | X | X | X |   |   |   |    |
| 19.    | M. Sai Meghana       |             | X | X | X | X | X | X |   |   |   |    |
| 20.    | M. Manohar           |             | X | X | X | X | X | X |   |   |   |    |
| 21.    | B. Ramani Meyyulu    |             | 0 | X | X | X | X | X |   |   |   |    |
| 22.    | P. Ravikumar         |             | 0 | X | X | X | X | X |   |   |   |    |
| 23.    | V. V. Anand          |             | 0 | X | X | X | X | X |   |   |   |    |
| 24.    | B. Kumareswamy       |             | X | X | X | X | X | X |   |   |   |    |
| 25.    | M. Jothi             |             | X | X | 0 | X | X | X |   |   |   |    |

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# Government Degree College, Pattikonda

## Department of Mathematics

### Final Report of Certification Course in Logical Reasoning

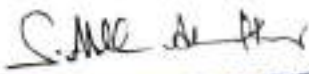

Everyday Mathematics was developed by the Department of Mathematics with the help of the Principal, for the College's students. By offering a certificate course in Logical Reasoning for 45 days, the Department of Mathematics has made a modest start in its effort to teach and enhance the students with practical knowledge. The primary goal of the course, as previously decided, was to impart Mathematics knowledge to the departing pupils. The demands of the final year students are taken into consideration when creating the course's fundamental framework. The aforementioned course began on November 15, 2021, and ended on February 01, 2022. The pupils' response was very positive. The Seminar Hall was crowded with eager students for its first presentation.

The principal, Dr. R Madhuri, spoke to the students and informed them of the significance of technology in both the daily life and Competitive life. He also praised the work of the department of Mathematics and complimented Sri. S Abhilash Anand Kumar HOD, who served as the course's architect. The course had a high turnout of students. Regular attendance for the classes, which ran from 05.00 PM to 6:30 PM, was 25 students.

The sessions were engaging, educational, and fascinating. The students were able to comprehend how to learn and understand Mathematics with the use of hands-on activities, seminars, quizzes, suggested books, and engaging exercises. The pupils' confidence level was raised via brainstorming sessions, discussions, group exercises, and impromptu presentations. The complete course took place; The Course ran its entire course of 45 days and also took informal inputs from the students for making the course better next time.

After the successful completion of the said Certificate course, a valedictory function was held on 01<sup>st</sup> February 2022. The Principal of the College graced the occasion. The meeting was presided over by the HOD, Sri. S Abhilash Anand Kumar. Vote of thanks was proposed by other members.

  
PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
Kurnool Dist. A.P.

  
DEPARTMENT OF MATHEMATICS  
Govt. Degree College,  
PATTIKONDA, Kurnool (Dist).  


**GOVERNMENT DEGREE  
COLLEGE  
PATTIKONDA, KURNOOL(DT)  
DEPARTMENT OF ECONOMICS  
CERTIFICATE COURSE  
2021-2022**

**GOVERNMENT DEGREE COLLEGE, PATTIKONDA**  
**PROPOSAL FOR THE INTRODUCTION OF CERTIFICATE COURSE IN**  
**General and Health Insurance**

DATE: 20-11-2021

From  
Dr. H. Mari Swamy,  
Lecturer in Economics,  
Head of Department  
Govt. Degree College  
Pattikonda, Kurnool (Dt).

To  
The Principal,  
Govt. Degree College, Pattikonda  
Kurnool (Dt).

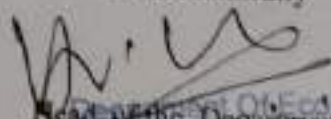
Respected Madam,

The department of Economics wishes to conduct a certificate course General and Health Insurance Keeping in view employment opportunities in insurance sector. More over the course is aimed eradicating unemployment in rural areas. The course content is designed to create awareness on opportunities, Insurance sector in this regard the proposal may please be accepted and permission may be accorded.

The details of the program are

- |                                          |                             |
|------------------------------------------|-----------------------------|
| 1. Name of the proposed program          | : Certificate Course        |
| 2. Duration and timings of the program   | : 45 days                   |
| 3. Start date of the program             | : 25 -11-2021 to 27.01.2022 |
| 4. Course fee                            | : Nil                       |
| 5. No of students expected for admission | : 20                        |

Yours faithfully

  
Head of the Department  
Government Degree College  
PATTIKONDA 518 380 Kurnool(Dist.)



**GOVERNMENT DEGREE COLLEGE, PATTIKONDA**

**Department Of Economics**

**Minutes of the Department meeting for the conduct of  
Certificate Course in General and Health Insurance**

Date: 20-11-2021

The Department of Economics is sincere to cater the needs of students has made the decision to widen opportunities for individuals graduating from our College. There is a considerable need for new graduates to enhance their employability skills due to the expanding job market, visible in the Insurance Sector. With the straightforward objective of equipping graduating students with the requisite practical Knowledge and abilities, the Department of Economics has taken the initiative to provide a Certificate Course in General and Health Insurance.

The faculty of the department under the chairmanship of HOD Dr H.Mariswamy unanimously decided to organize the Certificate Course in General and Health Insurance for degree-seeking students at our college, with the lecturers serving as the course instructors and the Department Head serving as convenor. As promised, the Certificate Course would span 45 days.

1. Sri Dr. H.Mari Swamy, Head of the Department
2. Sri Ayyappa, Lecturer in Political Science
3. Sri C.Jayaramulu, Lecturer in History



Principal

GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
Yamool Dist A P

**Government DEGREE COLLEGE, PATTIKONDA.**

**DEPARTMENT OF ECONOMICS**

**Circular**

Date: 20-11-2021

All the BA., HEP final year degree students are hereby informed that the Department of Economics is going to start a certificate course in '**General and Health Insurance**'. The duration of the course is 45 days. Students need not pay any fee for the course. The classes will commence from 25-11-2021 to ~~24-01-2022~~. Interested students are required to register their names in the Economics Department. After successful completion of the course certificate will be provided to the students.

  
Coordinator  
Department of Economics  
Government Degree College  
PATTIKONDA: 518 380 Kumod, Dist. K.

Copy to the Library Notice Board

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Copy for Circulation among the Students

## CERTIFICATE COURSE IN ECONOMICS

Topic: General and Health Insurance

Syllabus

Module-I:

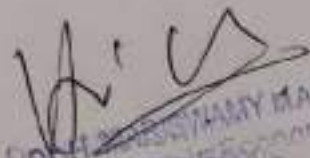
General Insurance-

General Insurance :Nature and Features and types -Major Life and General Insurance Companies in India-Important General Insurance Products/Policies and their Features-Surveyor

Module-II:

Health Insurance-

Health Insurance :Nature and Features -Health Insurance and Companies in India -Major Health Insurance Products/Policies and their Features: Individual ,Family, Group.

  
D.D.H. SURESH/AMY MA, Ph.D.,  
Lecturer in Economics  
Government Degree C.  
PATTIKONDA, Kurnool (Dist. Nellore)



**Model question paper (2021-22)**

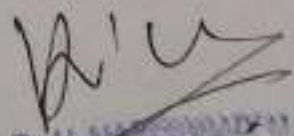
**General and Health Insurance certificate course**

**Time 01:30**

**Maximum marks :50**

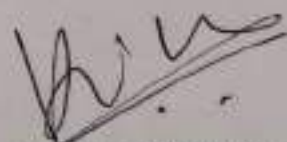
**Each question carries 10 marks (10\*5)**

1. What are the types of Insurance?
2. What are the general benefits of Health Insurance?
3. What is the difference between Health and General Insurance?
4. Explain the features of Health Insurance.
5. What are the advantages of General Insurance?
6. Explain about major Insurance health products.
7. What are the health Insurance companies in India
8. Explain features of General Insurance.

  
Dr. H. NARASIMHAIAH, Ph.D.,  
Lecturer in Economics  
Government Degree College  
PATTIKONDA, Kurnool(Dist)

Students List Registered 2021-22

| S.No | Admission NO | NAME OF THE STUDENT | CLASS      | Signature of the Student |
|------|--------------|---------------------|------------|--------------------------|
| 1    | 5277         | M.Manohar           | II BA HEP  | M. Manohar               |
| 2    | 5282         | K.Rajasekhar        | III BA HEP | K. Rajasekhar            |
| 3    | 5238         | B.Ramanjineyulu     | II BA HEP  | B. Ramanjineyulu         |
| 4    | 5284         | P.Pandu             | II BA HEP  | P. Pandu                 |
| 5    | 5285         | J.Yellamma          | III BA HEP | J. Yellamma              |
| 6    | 5290         | M.Suresh            | II BA HEP  | M. Suresh                |
| 7    | 5287         | M.Jyothi            | II BA HEP  | M. Jyothi                |
| 8    | 5294         | P.SivaKrishna       | II BA HEP  | P. SivaKrishna           |
| 9    | 5297         | V.V.Anand           | II BA HEP  | V. V. Anand              |
| 10   | 5296         | C.Mahesh            | II BA HEP  | C. Mahesh                |
| 11   | 5298         | B.Kumaraswamy       | III BA HEP | B. Kumaraswamy           |
| 12   | 5299         | K.Chinna Madanna    | III BA HEP | K. Chinna Madanna        |
| 13   | 5286         | U.Sandhya           | II BA HEP  | U. Sandhya               |
| 14   | 5278         | B.Vijay             | III BA HEP | B. Vijay                 |
| 15   | 5278         | P.Surendra          | III BA HEP | P. Surendra              |
| 16   | 5388         | Akulagoni Ravindra  | II BA HEP  | A. Ravindra              |
| 17   | 5749         | Aluru Anjali Devi   | II BA HEP  | A. Anjali Devi           |
| 18   | 5394         | Boya Chandrasekhar  | II BA HEP  | B. Chandrasekhar         |
| 19   | 5426         | Maddela Sathish     | II BA HEP  | M. Sathish               |
| 20   | 5438         | Sankarapu Yaswanth  | II BA HEP  | S. Yaswanth              |



DR. H. MARISWAMY M.A., Ph.D.,  
Lecturer in Economics  
Government Degree College  
PATTIKONDA, Kumool(Dist)

FOR THE MONTH OF July 2011

Class: B.A. HED

$\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$

Director of Education  
Government Degree College  
PILITHANGA, S.D. NO. Kuvempu

Average expenditure  
During the month



# REGISTER OF ATTENDANCE

REG

Name of the Institute Govt Degree

| Sl. No. | NAME             | DATE  |   |   |   |   |   |   |   |   |    |    |    | Total |
|---------|------------------|-------|---|---|---|---|---|---|---|---|----|----|----|-------|
|         |                  | 1     | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |       |
| 1       | M. Manohar       | P     | P | P | P | P | P | P | P | P | P  | P  | P  | 12    |
| 2       | S. Rajasekar     | P     | P | P | P | P | P | P | P | P | P  | P  | P  | 12    |
| 3       | D. Ramalingam    | P     | P | P | P | P | P | P | P | P | P  | P  | P  | 12    |
| 4       | P. Pandu         | P     | P | P | P | P | P | P | P | P | P  | P  | P  | 12    |
| 5       | J. Vellamuri     | P     | P | P | P | P | P | P | P | P | P  | P  | P  | 12    |
| 6       | M. Suresh        | P     | P | P | P | P | P | P | P | P | P  | P  | P  | 12    |
| 7       | M. Jyothi        | P     | P | P | P | P | P | P | P | P | P  | P  | P  | 12    |
| 8       | P. Siva Krishna  | P     | P | P | P | P | P | P | P | P | P  | P  | P  | 12    |
| 9       | V.V. Arund       | P     | P | P | P | P | P | P | P | P | P  | P  | P  | 12    |
| 10      | C. Mahesh        | P     | P | P | P | P | P | P | P | P | P  | P  | P  | 12    |
| 11      | D. Kumaraswami   | P     | P | P | P | P | P | P | P | P | P  | P  | P  | 12    |
| 12      | K. Chitra Madana | P     | P | P | P | P | P | P | P | P | P  | P  | P  | 12    |
| 13      | G. Sankhya       | P     | P | P | P | P | P | P | P | P | P  | P  | P  | 12    |
| 14      | B. Visay         | P     | P | P | P | P | P | P | P | P | P  | P  | P  | 12    |
| 15      | P. Surendar      | P     | P | P | P | P | P | P | P | P | P  | P  | P  | 12    |
| 16      | A. Ravindra      | P     | P | P | P | P | P | P | P | P | P  | P  | P  | 12    |
| 17      | A. Anjali Devi   | P     | P | P | P | P | P | P | P | P | P  | P  | P  | 12    |
| 18      | S. Chandrasekha  | P     | P | P | P | P | P | P | P | P | P  | P  | P  | 12    |
| 19      | M. Sathish       | P     | P | P | P | P | P | P | P | P | P  | P  | P  | 12    |
| 20      | S. Yashwanth     | P     | P | P | P | P | P | P | P | P | P  | P  | P  | 12    |
|         |                  | TOTAL |   |   |   |   |   |   |   |   |    |    |    | 120   |

FOR THE MONTH OF Dec 2020

| Date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   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 Head of Institution  
 Government Degree College  
 Puttur, 20.12.2020

|                                           |                      |      |
|-------------------------------------------|----------------------|------|
| NO. ON ROLL AT THE BEGINNING OF THE MONTH | No. of Boys Present  | A.M. |
| ADMITTED DURING THE MONTH                 | No. of Girls Present | P.M. |
| LEFT NO. ON ROLL AT THE END OF THE YEAR   | Teacher's Sign       |      |
| ADMITTED DURING THE MONTH                 | No. of Boys Present  | P.M. |
|                                           | No. of Girls Present | P.M. |
|                                           | Teacher's Sign       |      |

No. of Working Days

Average attendance During the month

## Distribution of Certificates of Project Design and Report writing



**Government Degree College, Pattikonda**

**Department of Economics**

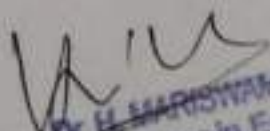
**Final Report of Certification Course in General and Health Insurance**

By offering a certificate course in General and Health Insurance for 45 days, the Department of Economics has made a modest start in its effort to teach and enhance the students with knowledge on Insurance. The primary goal of the course, as previously decided, was to impart knowledge about Insurance to the departing pupils. The demands of the final year students are taken into consideration while framing the course's fundamental framework. The aforementioned course began on 25 November, 2021, and ended on 9 January, 2022. The pupils' response was very positive.

The principal, Dr.R.Madhuri, spoke to the students and informed them of the significance of General and Health Insurance. She also appreciated the work of the department and complimented Dr.H.Mari Swamy, HOD, who served as the course's architect. The course had a high turnout of students. Regular attendance for the classes, which ran from 05.00 PM to 6:30 PM, was 20 students.

The sessions were engaging, educational, and fascinating. The students were able to comprehend how to learn and understand Insurance with the use of handouts, seminars, quizzes, suggested books, and engaging exercises. The pupils' confidence level was raised via brainstorming sessions, discussions, group exercises, and imprompt presentations. The complete course took place. The Course ran its entire course of 45 days and also took informal inputs from the students for making the course better for time.

After the successful completion of the said Certificate course, a valedictory function was held on 27 January, 2022. The Principal of the College, Dr.R.Madhuri garu, graced the occasion. The meeting was presided over by the HOD (Economics), Sri Dr.H.Mari Swamy. At the end of program Sri Ayyappa, Lecturer in Political Science, proposed the vote of thanks.

  
Dr. H. MARI SWAMY M.A., Ph.D.  
Lecturer in Economics  
Government Degree College,  
PATTIKONDA, Kurnool(Dist)





# GOVERNMENT DEGREE COLLEGE

PATTIKONDA, KURNOOL-518380, A.P.

AFFILIATED TO RAYALASEEMA UNIVERSITY (RU) KURNOOL

RE-ACCREDITED BY NAAC WITH 'B' GRADE

## Department of Economics

### Certificate Of Participation


This is to certify that Mr./Miss./Mrs. \_\_\_\_\_ studying

\_\_\_\_\_ successfully completed ' \_\_\_\_\_ ,

organized by Department of Economics, Government Degree College, Pattikonda,

Kurnool (Dt) held from \_\_\_\_\_ to \_\_\_\_\_.

  
**Coordinator**, Ph.D.,  
Dr. H. NARASIMHA MURTHY  
Lecturer in Economics  
Government Degree College  
PATTIKONDA, Kurnool (Dist),

  
**Principal**  
PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518380  
Kurnool Dist. A.P.



# Government Degree College



Accredited By NAAC with 'B' Grade  
Pattikonda, Kurnool (Dt), A.P. 518380.

Dr. R. Madhuri, M.Sc, M.Phil., Ph.D.  
Principal,

From  
Sri. K.G. Subash  
Lecturer-in-Aqua Culture Technology  
Govt. Degree College, Pattikonda  
Kurnool (Dt).

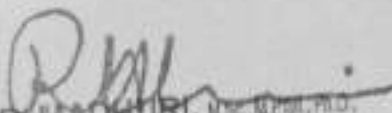
To  
The Principal  
Govt. Degree College  
Pattikonda, Kurnool (Dt).


Respected Madam,

The Department of Aquaculture Technology will hold a certificate course in Ornamental Fish Farming; the course is in response to the demand of departing students. This course now regularly demands from the lowest to the highest levels of employment and which beneficial to students. The Department of A.C.T is enthusiastic about starting the course, considering all of these factors. Details of the program will be provided.

1. Name of the proposed programme: A Certificate course in Ornamental Fish Farming
2. Duration and timings of the program : 45 days
3. Start date of the program : 24-11-2021 to 20-01-2022
4. Course fee : free
5. No. of students expected for admission : 25

Yours faithfully

  
Dr. R. MADHURI, M.Sc, M.Phil., Ph.D.  
PRINCIPAL  
Government Degree College  
PATTIKONDA, Kurnool Dist., A.P.

  
Head of Department A.C.T  
K.G. SUBASH, M.Sc, M.Phil.  
Lecturer in Aquaculture Technology  
GOVT. DEGREE COLLEGE  
PATTIKONDA-518380, Kurnool Dist.


**GOVERNMENT DEGREE COLLEGE PATTIKONDA**  
**DEPARTMENT OF AQUACULTURE TECHNOLOGY**

DATE: 15/11/2021

**CIRCULAR**

All the B.sc (A.C.T) II year Degree students. Are hear by informed. That the Department of Aquaculture technology is going to start a certificate course in ornamental fish farming. The duration of course is 45 days. Students no need to pay any fee. For the course the classes will commence from 24/11/2021 to 20/01/2022. Interested students are required to register their names in Aqua culture Department. After successful completion of the course certificate will be provided to the students.

- COPY TO THE LIBRARY NOTICE
- COPY TO THE COLLEGE NOTICE BOARD
- COPY FOR CIRCULATION AMONG THE STUDENTS

  
**COORDINATOR**  
K.G. SUBASH, M.Sc., P. Ed.,  
Lecturer in Aquaculture Technology,  
GOVT. DEGREE COLLEGE,  
PATTIKONDA-518 360, Kurnool Dist.



**GOVERNMENT DEGREE COLLEGE,  
PATTIKONDA**

**CERTIFICATE COURSE-2021-22**

CERTIFICATE COURSE

IN

**ORNAMENTAL FISH FARMING**

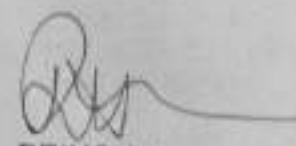
**COURSE COORDINATOR**

**SRI.K.G.SUBASH**

**Department of Aqua Culture Technology**

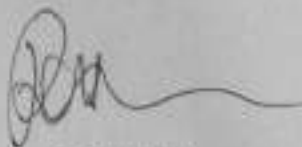
**GOVERNMENT DEGREE COLLEGE, PATTIKONDA**

  
K.G. SUBASH, M.Sc. B.Ed.  
Assistant Professor Technology  
GOVT DEGREE COLLEGE,  
PATTIKONDA-518380, Kurnool Dist

  
PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518380  
Kurnool Dist A.P.

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1. Minutes of the meeting
2. Course Objectives, Syllabus & Examination scheme
3. Other details
  - INAGURATION
  - List of students Enrolled for the certificate course
  - Student Attendance particulars
  - Multiple choice Question paper and Key
  - Marks obtained
  - Valedictory Photos & Conclusion
  - Certificate

  
PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
Kurnool Dist. A.P.

### Minutes of the Meeting

The Department of Aqua culture technology held a meeting on 23-11-2021 and passed a resolution to organize Certificate Course in Ornamental Fish farming under the guidance of Dr. Md. Osman Ahmed the other staff members of the Department was present in the meeting. The course was planned to be held for 40 working hours.

The certificate course was organized from 24-11-2021 to 20-01-2022 for the academic year 2021-2022 to the II BSc (Aqua culture technology) students for curriculum enrichment.



K.G. SUBASH, M.Tech. Agg.  
Department of Aqua Technology  
COMBES COLLEGE  
MADURAI-625 009, Tamil Nadu



## Report on Certificate course

Course Title: **Ornamental fish farming**

### Course Objectives:

- To inculcate importance of ornamental fish farming in relation with entrepreneurship development.
- To give students knowledge about various techniques of ornamental fish breeding, rearing and its marketing to make them self sustainable after graduation.
- To teach techniques of construction of glass aquarium and its maintenance
- To teach students about fish food production and health related problems with ornamental fish.

### Expected program outcomes:

- To acquire the knowledge about how to culture Ornamental fishes in inland fish farms.
- To motivate the farmers by this culture to earn the money easily and comparatively high in range than the edible fishes.
- To develop the skill of construction of ornamental fish pond by their own knowledge.

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### Syllabus

#### Module 1: **Introduction to Aquaculture and Ornamental fishes Trading**

- Basics of aquaculture definition and scope. History of aquaculture is to present globalNational scenario.
- World trade of ornamental fish and export potential. Different varieties exoticindigenous fishes.
- Ornamental fisheries –e new dimensions in aquaculture entrepreneurship

#### Module 2: **Introduction to ornamental fishes**

- Introduction to aquarium and aquarium accessories.
- Basic knowledge on profile of ornamental fishes in world.
- Basic knowledge and profile of some selected indigenous Indian ornamental

#### Module 3: **Engineering Aspect and constructions of aquarium (I)**

- Design and constructions of public fresh water and marine aquaria and oceanarium.
- Aerator, filters and lightings.
- Bio filters in aquarium.

#### Module 4: **Engineering Aspect and constructions of aquarium (II)**

- Constructions, settings and maintenance of aquarium.
- Constructions of Ornamental fish unit.
- Engineering Aspect in Ornamental fish farming

**Total Hours:** 30

**Examination Scheme:** Exam contain 20 multiple choice question each one carry 2 marks.

**Eligibility:** II B.SC aqua culture technology students are eligible to enroll for the course.

**No. of Seats:** 25

Quality Assurance Mechanism: The quality of the course will be ensured through continuous evaluation of feedback from students and course coordinator by IQAC of the college.

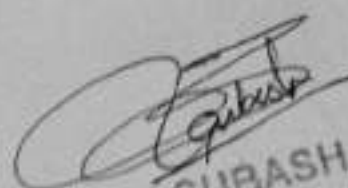
This proposal is placed before BOS committee for syllabus approval.

Committee Members

1. Sri.K.G.Subash

**List of Students Registered for certificate course 2021-22**  
**A Certificate Course in Ornamental Fish Farming**

| S.No | Name of the Students     | Remarks |
|------|--------------------------|---------|
| 1.   | Mulla Aisha Banu         |         |
| 2.   | Siddavatam Ajam Basha    |         |
| 3.   | Vadde Bala Krishna       |         |
| 4.   | Medam Bhavana            |         |
| 5.   | Mutyala Chandra Sekhar   |         |
| 6.   | Arava Durga Devi         |         |
| 7.   | Varthe Gangothri         |         |
| 8.   | Pinjari Ijaz Ahammad     |         |
| 9.   | Golla Basimi Kalyani     |         |
| 10.  | Kuruva Lakshmi           |         |
| 11.  | Gudise Lakshmi Narasimha |         |
| 12.  | Chakali Mahesh           |         |
| 13.  | Mangali Manasa           |         |
| 14.  | Mandusamanu Meghana      |         |
| 15.  | Arava Mounika            |         |
| 16.  | Madiga Narasamma         |         |
| 17.  | Uppara Prasanthi         |         |
| 18.  | Nenavath Rajeswari Bai   |         |
| 19.  | Thuppati Rupa            |         |
| 20.  | Mallela Seethamma        |         |
| 21.  | Uppara Shashikala        |         |
| 22.  | Bulleni Someswari        |         |
| 23.  | Mala Sravani             |         |
| 24.  | Ulliveni Sudhamani       |         |
| 25.  | Madiga Supriya           |         |



K.G. SUBASH, M.Sc., B.Ed.,  
Lecturer in Aquaculture Technology,  
JNTU DEGREE COLLEGE  
JNTU-KA-518399, Kurnool Dist.

**Certificate Course in Ornamental Fish Farming**  
**Evaluation of Student Performance on the Modules**

TIME 20 MINUTES

MCQS 20

1. How many days are required for the fry to grow up to fingerling size?  
a) 40-60 days  
b) 30-60 days  
c) 25-50 days  
d) 35-50 day
- 2) Which one of the following oil cake is used to kill all the fishes within few hours  
a) mahua b) castor c) mustard  
d) peanut
- 3) What is the required area for rearing ponds?  
a) 0.02-0.06 ha  
b) 0.10-0.15 ha c) 0.08-0.012 ha d) 0.06-0.10 ha



4) which of the following is suitable for fish farming?

- a) Eel b) Tilapia c) Tuna
- d) Sardine

5) which state as received the state award under the category of best hilly and north eastern states in fisheries sector?

- a) Assam b) Meghalaya c) Nagaland d) Sikkim

6) which of the following is not a micro nutrient

- A) Mn b) Cu
- c) Mg
- d) Bo

7) Spinal deformities in farmed fish occur due to the deficiency of

- a) vitamin A
- b) Vitamin C
- c) Vitamin B
- d) Vitamin D

8) What is the optimum salinity requirement for breeding of *Macrobrachium malcomsonii*

- a) 10-15 ppt
- b) 12-14 ppt c) 25-28 ppt
- d) 18-20 ppt

9) what is the yield of eggs in fresh water prawns  
a) 5000 no's/gm  
b) 10000 no's/gm  
c) 5000 no's/gm  
d) 1000 no's/gm

10) Fertilized eggs of Catla fish take how many hour for hatching at 30°C

a) 10-12 HRS b) 12-14 HRS c) 11-17 HRS d) 18-24 HRS

11) The term aquarium was coined by

a) Tasso

b) Philip henry gossec  
c) Schaefer  
d) Non of the above

12) Kreisel is a type of aquarium which is best for a) Star fish

b) Jelly fish

c) Prawns

d) God fish

13) who developed the first modern aquarium made of glass was developed in the 19<sup>th</sup> century by

a) Philip henry gosse

b) Leonhard baldner

c) Robert warrington

d) Anne thynne

14) Which is the largest fish harbor in India

a) Koyelandy fish harbor in Kerala

b) Versova fish harbor in Maharastra

c) Mangrol fish harbor in Gujarat

d) Karaikal fish harbor in Tamilnadu

15) Which one is not the objective of Aquaculture ?

a) Production of ornamental fish for aesthetic purpose

b) Production of nutritive and healthy food

c) Replace the old species of fishes

d) Recycling of organic waste

16) Which is an example of shell fish ?

a) Mussels

b) Oysters

c) Scallops

d) All the above

17) Central institute of fresh water Aquaculture?

a) Bhubaneswar , Odissa

b) Tiruvantapuram , Kerala

c) Puducherry, Tamilnadu

d) Kozhikode, Kerala



a) Mumbai, Maharashtra

b) Paradeep, Odisha

c) Diu

d) Cochin, Kerala

19) Which is Brackish body ?

a) Lagoon

b) Sea atoll

c) River delta

d) The all of the above

20) National bureau of fish genetic resources ?

a) Lucknow, Uttarpradesh

b) Patna, Bihar

c) Indore, Madhyapradesh

d) Nagercoil, Tamilnadu

Answer Key:

1. B

2. A

3. D

4. B

5. A

6. C

7. B

8. D
9. D
10. D
11. A
12. B
13. C
14. A
15. A
16. D
17. A
18. D
19. D
20. A

**Marks Obtained:**

| S.No | Name of the Student      | Marks Obtained |
|------|--------------------------|----------------|
| 1    | Mulla Aisha Banu         | 38             |
| 2    | Siddavatam Ajam Basha    | 38             |
| 3    | Vadde Bala Krishna       | 40             |
| 4    | Medam Bhavana            | 40             |
| 5    | Mutyala Chandra Sekhar   | 38             |
| 6    | Arava Durga Devi         | 40             |
| 7    | Varthe Gangothri         | 36             |
| 8    | Pinjari Ijaz Ahammad     | 40             |
| 9    | Golla Basimi Kalyani     | 38             |
| 10   | Kuruva Lakshmi           | 40             |
| 11   | Gudise Lakshmi Narasimha | 36             |
| 12   | Chakali Mahesh           | 38             |
| 13   | Mangali Manasa           | 38             |
| 14   | Mandusamanu Meghana      | 36             |
| 15   | Arava Mounika            | 38             |
| 16   | Madiga Narasamma         | 40             |
| 17   | Uppara Prasanthi         | 36             |
| 18   | Nenavath Rajeswari Bai   | 40             |
| 19   | Thuppati Rupa            | 34             |
| 20   | Mallela Seethamma        | 35             |
| 21   | Uppara Shashikala        | 34             |
| 22   | Bulleni Someswari        | 30             |
| 23   | Mala Sravani             | 30             |
| 24   | Uliveni Sudhamani        | 35             |
| 25   | Madiga Supriya           | 37             |



**Government Degree College, Pattikonda**  
Department of Aqua culture technology

**Conclusion:**

This certificate course was mainly carried out in our college to inculcate Research mind in Under Graduate students.

After the completion of certificate course students able to get knowledge about the ornamental fish farming and techniques of breeding.

**Thank you**

**Sri.K.G.Subash**

Department of Aqua culture technology





# Government Degree College, Pattikonda

Pattikonda, Kurnool-518380, A.P.

Affiliated to Rayalaseema University (RU) Kurnool-

Re-Accredited By NAAC with 'B' Grade

## Department of Aqua Culture Technology

### Certificate of Participant

This is to certify that Mr./Miss./Mrs. \_\_\_\_\_ studying \_\_\_\_\_ success fully  
completed 'A Certificate Course in ornamental fish farming' Organized by Department of Aqua culture technology ,  
Government Degree College, Pattikonda, Kurnool (Dt) held from 24-11-2021 to 20-01-2022.



**K.G. SUBASH, M.Sc. B.Ed.**  
Lecturer in Aquaculture Technology  
GOVT. DEGREE COLLEGE  
PATTIKONDA-518380 Kurnool Dist.



**Principal**  
PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518380  
Kurnool Dist. A.P.

# REGISTER OF ATTENDANCE & FEES

FOR THE MONTH OF Nov/Dec

20

Name of the Institute

Gout Degree College

Section

Place

Rathbarua

| Sl. No. | NAMES                 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | No. of days Present | FEES |    |
|---------|-----------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---------------------|------|----|
|         |                       | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |                     | No.  | P. |
|         | M. Ashok Kumar        | X | X | X | X |   |   | X | X | X | X  | X  |    | X  | X  | X  | X  |    |    | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |      |    |
|         | S. Anjan Barua        | X | X | X | X |   |   | X | X | X | X  | X  |    | X  | X  | X  | X  |    |    | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |      |    |
|         | V. Balakrishna        | X | X | X | X |   |   | X | X | X | X  | X  |    | X  | X  | X  | X  |    |    | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |      |    |
|         | M. Bhattacharya       | X | X | X | X |   |   | X | X | X | X  | X  |    | X  | X  | X  | X  |    |    | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |      |    |
|         | M. Chandra Sekhara    | X | X | X | X |   |   | X | X | X | X  | X  |    | X  | X  | X  | X  |    |    | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |      |    |
|         | A. Durga Devi         | X | X | X | X |   |   | X | X | X | X  | X  |    | X  | X  | X  | X  |    |    | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |      |    |
|         | V. Gangotri           | X | X | X | X |   |   | X | X | X | X  | X  |    | X  | X  | X  | X  |    |    | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |      |    |
|         | P. I. B. Ahmed        | X | X | X | X |   |   | X | X | X | X  | X  |    | X  | X  | X  | X  |    |    | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |      |    |
|         | G. B. Kalpana         | X | X | X | X |   |   | X | X | X | X  | X  |    | X  | X  | X  | X  |    |    | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |      |    |
|         | B. Kishore            | X | X | X | X |   |   | X | X | X | X  | X  |    | X  | X  | X  | X  |    |    | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |      |    |
|         | M. Kishore Narasimhan | X | X | X | X |   |   | X | X | X | X  | X  |    | X  | X  | X  | X  |    |    | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |      |    |
|         | C. Mahesh             | X | X | X | X |   |   | X | X | X | X  | X  |    | X  | X  | X  | X  |    |    | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |      |    |
|         | M. Manasa             | X | X | X | X |   |   | X | X | X | X  | X  |    | X  | X  | X  | X  |    |    | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |      |    |
|         | M. Meghana            | X | X | X | X |   |   | X | X | X | X  | X  |    | X  | X  | X  | X  |    |    | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |      |    |
|         | A. Mounika            | X | X | X | X |   |   | X | X | X | X  | X  |    | X  | X  | X  | X  |    |    | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |      |    |
|         | M. Nandana            | X | X | X | X |   |   | X | X | X | X  | X  |    | X  | X  | X  | X  |    |    | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |      |    |
|         | V. Prashanthi         | X | X | X | X |   |   | X | X | X | X  | X  |    | X  | X  | X  | X  |    |    | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |      |    |
|         | M. Rajesh Babu        | X | X | X | X |   |   | X | X | X | X  | X  |    | X  | X  | X  | X  |    |    | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |      |    |
|         | T. Rupa               | X | X | X | X |   |   | X | X | X | X  | X  |    | X  | X  | X  | X  |    |    | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |      |    |
|         | M. Sathya             | X | X | X | X |   |   | X | X | X | X  | X  |    | X  | X  | X  | X  |    |    | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |      |    |
|         | V. Shankha            | X | X | X | X |   |   | X | X | X | X  | X  |    | X  | X  | X  | X  |    |    | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |      |    |
|         | B. Suresh Babu        | X | X | X | X |   |   | X | X | X | X  | X  |    | X  | X  | X  | X  |    |    | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |      |    |
|         | M. Srujan             | X | X | X | X |   |   | X | X | X | X  | X  |    | X  | X  | X  | X  |    |    | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |      |    |
|         | V. Sudhakar           | X | X | X | X |   |   | X | X | X | X  | X  |    | X  | X  | X  | X  |    |    | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |      |    |
|         | M. Supriya            | X | X | X | X |   |   | X | X | X | X  | X  |    | X  | X  | X  | X  |    |    | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |      |    |

Number Present Daily

M

E

Initials

M

E

No. of the register of month

Admission during the month

Left the school at end of month

No. of working days

Average Attendance during the month

No. on roll during the month





# REGISTER OF ATTENDANCE & FEES

Name of the Institute

Govt Degree College

FOR THE MONTH OF Dec/Jan 2023

Section

Place

Pattikonda

| NAMES                | Section |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | No. of days Present | FEES |    | Total |  |
|----------------------|---------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---------------------|------|----|-------|--|
|                      | 1       | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |                     | Rs.  | P. |       |  |
| M. Aisha Banu        | X       | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X                   | X    | X  |       |  |
| S. Ajam Basha        | X       | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X                   | X    | X  |       |  |
| V. Bala Krishna      | X       | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X                   | X    | X  |       |  |
| M. Bhawana           | X       | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X                   | X    | X  |       |  |
| M. Chandya Sekhar    | X       | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X                   | X    | X  |       |  |
| A. Durga Devi        | X       | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X                   | X    | X  |       |  |
| V. Gangotri          | X       | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X                   | X    | X  |       |  |
| P. Dias Ahmed        | X       | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X                   | X    | X  |       |  |
| G.B. Halyani         | X       | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X                   | X    | X  |       |  |
| K. Lakshmi           | X       | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X                   | X    | X  |       |  |
| K. Lakshmi Narasimha | X       | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X                   | X    | X  |       |  |
| C. Mahesh            | X       | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X                   | X    | X  |       |  |
| H. Manasa            | X       | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X                   | X    | X  |       |  |
| M. Meghana           | X       | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X                   | X    | X  |       |  |
| A. Neerika           | X       | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X                   | X    | X  |       |  |
| H. Narasamma         | X       | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X                   | X    | X  |       |  |
| U. Prashanthi        | X       | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X                   | X    | X  |       |  |
| M. Rajeshwari Bai    | X       | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X                   | X    | X  |       |  |
| T. Rupa              | X       | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X                   | X    | X  |       |  |
| M. Seethamma         | X       | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X                   | X    | X  |       |  |
| U. Shashikala        | X       | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X                   | X    | X  |       |  |
| B. Sanketkumar       | X       | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X                   | X    | X  |       |  |
| M. Savani            | X       | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X                   | X    | X  |       |  |
| U. Sudhamani         | X       | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X                   | X    | X  |       |  |
| M. Supriya           | X       | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X                   | X    | X  |       |  |
|                      |         |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |       |  |
|                      |         |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |       |  |
|                      |         |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |       |  |
|                      |         |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |       |  |
|                      |         |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |       |  |
|                      |         |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |       |  |
|                      |         |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |       |  |
|                      |         |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |       |  |
|                      |         |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |       |  |
|                      |         |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |       |  |
|                      |         |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |       |  |
|                      |         |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |       |  |
|                      |         |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |       |  |
|                      |         |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |       |  |
|                      |         |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |       |  |
|                      |         |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |       |  |
|                      |         |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |       |  |
|                      |         |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |       |  |
|                      |         |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |       |  |
|                      |         |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |       |  |
|                      |         |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |       |  |
|                      |         |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |       |  |
|                      |         |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |       |  |
|                      |         |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |       |  |
|                      |         |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |       |  |
|                      |         |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |       |  |
|                      |         |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |       |  |
|                      |         |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |       |  |
|                      |         |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |       |  |
|                      |         |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |       |  |
|                      |         |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |       |  |
|                      |         |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |       |  |
|                      |         |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |       |  |
|                      |         |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |       |  |
|                      |         |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |       |  |
|                      |         |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |       |  |
|                      |         |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |       |  |
|                      |         |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |       |  |
|                      |         |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |       |  |
|                      |         |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |       |  |
|                      |         |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |       |  |
|                      |         |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |       |  |
|                      |         |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |       |  |
|                      |         |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |       |  |
|                      |         |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |       |  |
|                      |         |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |       |  |
|                      |         |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |       |  |
|                      |         |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |       |  |
|                      |         |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |       |  |
|                      |         |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |       |  |
|                      |         |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |       |  |
|                      |         |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |       |  |
|                      |         |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |       |  |
|                      |         |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |       |  |
|                      |         |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |       |  |
|                      |         |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |       |  |
|                      |         |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |      |    |       |  |
|                      |         |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     | </   |    |       |  |

Number Present Daily

M

D

Attends

0

No. of days during the month

Number during the month

Left No. during the month

No. of working days

Average Attendance during the month

No. of days during the month

# **GOVERNMENT DEGREE COLLEGE PATTIKONDA**

**DEPARTMENT OF AQUACULTURE TECHNOLOGY  
CERTIFICATE COURSE 2021-2022**



GOVERNMENT DEGREE COLLEGE  
PATTIKONDA  
KURNOOL(Dt)  
DEPARTMENT OF CHEMISTRY  
CERTIFICATE COURSE  
2021--2022



PRINCIPAL  
Govt Degree College  
Pattikonda, Kurnool Dist



**GOVERNMENT DEGREE COLLEGE, PATTIKONDA**  
**PROPOSAL FOR THE INTRODUCTION OF CERTIFICATE COURSE IN**  
**WATER ANALYSIS**

DATE: 01/11/2021

From  
B. Krupender Reddy  
Lecturer in Chemistry  
Head of Department  
Govt. Degree College  
Pattikonda, Kurnool (Dt).

To  
The Principal,  
Govt. Degree College, Pattikonda  
Kurnool (Dt).

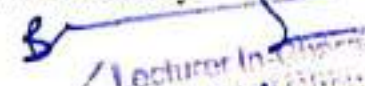
Respected Sir,

I would want to suggest that our college hold a certificate programme WATER ANALYSIS. The demands of departing students are now more regularly communicated to the Department of Chemistry. From the lowest to the highest levels of employment, water analysis has become helpful to students. The Department of Chemistry is excited to start the course taking into account all of these factors.

The details of the program are

- |                                           |                         |
|-------------------------------------------|-------------------------|
| 1. Name of the proposed program           | : <u>WATER ANALYSIS</u> |
| 2. Duration and timings of the program    | : <u>45 days</u>        |
| 3. Start date of the program              | : <u>12/11/2021</u>     |
| 4. Course fee                             | : <u>NIL</u>            |
| 5. No. of students expected for admission | : <u>30</u>             |

Yours faithfully

  
/ Lecturer in Chemistry  
Head of Department  
GOVT. D. COLLEGE  
PATTIKONDA, Kurnool Dist.

GOVERNMENT DEGREE COLLEGE, PATTIKONDA

Department Of Chemistry

Minutes of the Department meeting for the conduct of  
Certificate Course in WATER ANALYSIS

Date: 09/11/2021

The Department of Chemistry, a leader in catering to student needs, has made the decision to widen opportunities for individuals graduating from our College. There is a considerable need for new graduates with Practical skills due to the expanding job market, which has been particularly visible in the Environment sector. With the straightforward objective of equipping graduating students with the requisite practical Experiment abilities, the Department of Chemistry has taken the initiative to provide a Certificate Course in Water analysis.

On 12/11/2021, the Department of Chemistry held a meeting with its members on the College's property. The conference was led by the department head, B. Krupender Reddy, and attended by, Dr. N. Naresh Babu, and Dr. Nagaraj Reddy lecturers in Chemistry. The Department unanimously decided to organize the Certificate Course in Water analysis for degree-seeking students at our College, with the lecturers serving as the course instructors and the Department Head serving as chairman. As promised, the Certificate Course would span 45 days.

1. Sri B. Krupender Reddy Head of the Department :
2. Sri Dr. N. Naresh Babu, Lecturer in Chemistry :
3. Sri Dr. Nagaraj Reddy Lecturer in Chemistry :

  
PRINCIPAL  
Govt. Degree College  
Pattikonda, Kurnool Dist




Government DEGREE COLLEGE, PATTIKONDA.

DEPARTMENT OF Chemistry

Circular

Date: 09/11/2021

All the B.Sc (MPC&BZC) final year degree students are hereby informed that the Department of Chemistry is going to start a certificate course in 'WATER ANALYSIS'. The duration of the course is 45 days. Students need not pay any fee for the course. The classes will commence from 12/11/2021. Interested students are required to register their names in the Chemistry Department. After successful completion of the course certificate will be provided to the students.

  
Coordinator  
Lecturer in-Charge  
Department of Chemistry  
GOVT. DEGREE COLLEGE,  
PATTIKONDA, Kumool Dist.

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Govt. Degree College, Pattikonda.

Department of Chemistry

Certificate Course in Water Analysis

### Syllabus

Theory: 30 hrs

UNIT I: Importance and Unique Properties of Water

Types of water pollutants:

Organic pollutants: oxygen demanding wastes, disease causing agents.

Inorganic pollutants: Inorganic salts, mineral acids, finely divided metals and trace elements metal complexes

UNIT II Water quality standards: Quality of ground water, water quality criteria given by CPCB for drinking water, testing characteristics of drinking water.

UNIT III Theory on preparation of reagents and standard solutions of water analysis, Standard  $H_2SO_4$ , Standard KCl solution, EDTA solution, Standard  $MgSO_4$  solution, NaOH solution, Buffer solution, Eriochrome Black-T Indicator solution, Standard NaCl solution, Standard  $AgNO_3$  solution.

Govt - Degree College, Pattikonda.

Model Question Paper

Certificate Course on "WATER ANALYSIS"

Time: 2hrs

Maxi marks = 50

3x10 = 30

Section - A

Answer any three questions.

- 1.
- 2.
- 3.
- 4.
- 5.

Section - B

Answer any four questions

4x5 = 20M.

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.



Lecturer In-Charge

Department of Chemistry

GOVT DEGREE COLLEGE,  
PATTIKONDA, Kurnool Dist.

Govt Degree College,  
Pattikonda.



### III B.Sc (M.P.C & B.Z.C)

Students List Registered For WATER ANALYSIS 2021-2022.

| S.No | NAME OF THE STUDENT |
|------|---------------------|
| 1    | S. Thehara Ram      |
| 2    | B. Srilanth         |
| 3    | B. Manjunath        |
| 4    | B. Pravalika        |
| 5    | B. Rangammas        |
| 6    | B. Vinod Kumar      |
| 7    | G. Hari             |
| 8    | K. Vimala           |
| 9    | G. Harikrishna      |
| 10   | M. Kalyani          |
| 11   | M. Veeresh          |
| 12   | G. Raviteja         |
| 13   | G. Ramudu           |
| 14   | D. Tanal            |
| 15   | C. Muniswamy        |
| 16   | P. Raju             |
| 17   | M. Pattish          |
| 18   | S. Sudha            |
| 19   | T. Thaveena         |
| 20   | G. Sumi             |
| 21   | V. Hemant Kumar     |
| 22   | V. Ravi             |
| 23   | M. Ravindra         |
| 24   | P. Raja Kumar       |
| 25   | G. Aruna            |
| 26   | C. Mallika          |
| 27   | G. Harisha          |
| 28   | M. Veerappa         |
| 29   | M. Aruna            |
| 30   | M. Vineth           |
| 31   |                     |
| 32   |                     |
| 33   |                     |
| 34   |                     |
| 35   |                     |
| 36   |                     |
| 37   |                     |
| 38   |                     |
| 39   |                     |
| 40   |                     |

Lecturer in Chemistry  
Department of Chemistry  
GOVT. ENGINEERING COLLEGE  
PATTIKONDA, KUDLUR DIST.



[illegible]



[illegible]



Govt. Degree College, Pattikonda

Department of Chemistry

Final Report of Certificate Course in  
"WATER ANALYSIS"

There is No Course Fee and is offered as value addition to the students of Chemistry. The water quality management in India is performed under the provision of water (Prevention and Control of Pollution) Act, 1974. The basic objective of this Act is to maintain and restore the wholesomeness of national aquatic resources by prevention and control of pollution. The Act prescribes various functions for the Central Pollution Control Board (CPCB).

Poor water quality has its most direct impact on aquatic wildlife, particularly fish, bugs and plants. Excess nutrients, sediment, lead salt and other contaminants can reduce the variety and hardness of organisms living in the states waters.

Hence Department of Chemistry has decided to introduce Certificate course in water Analysis to enhance proficiency and practical knowledge in water Chemistry, with the humble intention of imparting necessary knowledge on water analysis and quality parameters of water to the outgoing students. The Certificate course was conducted for a period of 45 days with 30 hrs of theory and 15 hrs of practical from 3.00 PM to 4.00 PM off the college hours.

  
Lecturer in Charge  
Department of Chemistry  
Govt. Degree College,  
Pattikonda, Rajmool Dist.



MALE : 5  
FEMALE : 0  
Age : 5 years : 05

05

U 2x 12x : Cor, 1000, 10, 100







# GOVERNMENT DEGREE COLLEGE

PATTIKONDA, KURNOOL-518380, A.P.  
AFFILIATED TO RAYALASEEMA UNIVERSITY (RU) KURNOOL  
RE-ACCREDITED BY NAAC WITH 'B' GRADE

## Department of Chemistry

### Certificate Of Participation

This is to certify that Mr./Miss./Mrs. \_\_\_\_\_

studying

\_\_\_\_\_ successfully completed ' \_\_\_\_\_ ,

Organized by Department of \_\_\_\_\_, Government Degree College,

Pattikonda, Kurnool(Dt) held from 12/11/2021 to 30/12/2021.

S  
Lecturer In-Charge  
**Coordinator**  
GOVT. DEGREE COLLEGE,  
PATTIKONDA, Kurnool Dist.

2  
PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA  
Kurnool Dist. A.P.

**GOVERNMENT DEGREE COLLEGE, PATTIKONDA**

**Department Of Commerce**

**Minutes of the Department**

**Meeting for the conduct of Certificate Course in Tally**

Date: 01.11.2022

The Department of Commerce, a pioneer in meeting the needs of students, has decided to be a trailblazer for our College's graduating students. The job market, particularly in the financial area, has been booming, and fresh graduates with Tally knowledge are in high demand. The Department of Commerce has taken the initiative to conduct a Certificate Course in Tally, with the simple goal of providing necessary hands on knowledge on Tally to outgoing students.

On the 1<sup>st</sup> November, 2022, the Department of Commerce had a meeting with its members on the College premises. The meeting was chaired by the Head of the Department, T Ganagadhar, and the lecturers in Commerce K. Raja Sekhar, H. Purushothamayya and U Chandra Sekhar, G Sreenivasulu are present. The Department unanimously resolved to organize the Certificate Course in Tally for our College's outgoing final year Degree students under the chairmanship of the Head of Department and under the direction of the principal. It was resolved that the Certificate Course will be held for 45 days. It was also decided to focus more on students from rural backgrounds, and their medium of instruction is Telugu.

1. Sri T Ganagadhar, Head of the Department: T. Ganagadhar
2. Sri K Raja Sekhar, Lecturer In Commerce: K. Raja Sekhar
3. Sri H. Purushothamayya, Lecturer in Commerce: H. Purushothamayya
4. Sri U Chandra Sekhar, Lecturer in Commerce: U. Chandra Sekhar
5. Sri G. Sreenivasulu, Lecturer in Computer Science: G. Sreenivasulu

  
Principal  
PRINCIPAL 11/11/22  
Govt. Degree College  
PATTIKONDA Kurnool Dist



**GOVERNMENT DEGREE COLLEGE, PATTIKONDA**  
**PROPOSAL FOR THE INTRODUCTION OF CERTIFICATE COURSE IN TALLY**

DATE: 24 -10-2022.

From,  
T Ganagadhar,  
Lecturer in Commerce,  
Head of Department  
Govt. Degree College  
Pattikonda.

To,  
The Principal,  
Govt. Degree College,  
Pattikonda

Respected Sir,

I'd like to make a proposal to you regarding the introduction of a Tally Certificate Course for our College's final year degree students. The Department of Commerce has been increasingly aware of the requirements of departing students. From the lowest to the greatest levels of employment, Knowledge in Tally has become the important factor for the commerce students. With all of these considerations in mind, the Department of commerce would like to launch the course.

The details of the program are

- |                                           |                              |
|-------------------------------------------|------------------------------|
| 1. Name of the proposed program           | : Tally                      |
| 2. Duration and timings of the program    | : 45 days; 2:30 pm to 4:00pm |
| 3. Start date of the program              | : <u>4/11/2022</u>           |
| 4. Course fee                             | : Nil                        |
| 5. No. of students expected for admission | : 40                         |

Yours faithfully

T Ganagadhar  
Head of Department (commerce)  
DEPARTMENT OF COMMERCE  
Govt. Degree College,  
PATTIKONDA, Kurnool Dist

**GOVERNMENT DEGREE COLLEGE, PATTIKONDA.**

**DEPARTMENT OF COMMERCE**

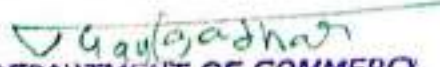
**Circular**

Date:25 -10-2022

All the B.Com students are hereby informed that the Department of Commerce is going to start a certificate course in 'Tally'. The duration of the course is 45 days. Students need not pay any fee for the course. The classes will commence from 1 November 2022. Interested students are required to register their names in the commerce Department. After successful completion of the course certificate will be provided to the students.

(TGanagadhar)

Coordinator

  
DEPARTMENT OF COMMERCE  
Govt Degree College,  
PATTIKONDA, Kurnool Dist

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**Government Degree College, Pattikonda.**  
**Department of Commerce**  
**Final Report of Certification Course in commerce**

Department of Commerce, under the guidance of the Principal came up with idea of Tally for the students of the College. The Department of commerce has made a humble beginning to impart and enrich the students with hands on tally by conducting a certificate course in Tally for the duration of 45 days. As it was resolved earlier, the main thrust of the course was to inculcate knowledge in Tally for the out-going students. The basic structure of the course is prepared keeping in view the needs of the final year students. The said Course was started on 01-11-2022 and completed on 20.12.2022.

The response from the students was overwhelming. In its introductory session the Seminar Hall was jam-packed and students enthusiastically wanted to be the part of it. the principal, addressed the students intimating them about the importance of Technology in social and corporate realms. He also appreciated the effort of commerce Department and congratulated Sri T Gangadhar, HOD, Commerce Department, who was the guiding force behind the entire course. The number of students attended the Course was good. 20 Students regularly attended the Classes conducted from 2.30 P M to 4.00 PM.

The sessions were interactive, informative and interesting. The usage of hands on, videos, hand-outs, seminars, quiz's, suggestive books and interesting worksheets helped the students to grasp the tips to learn and understand Tally. There were brain-storming sessions, debates, group activities and impromptu presentations which enhanced the confidence level of the students. The Course ran its entire course of 45 days and also took informal inputs from the students for making the course better next time.

After the successful completion of the said Certificate course, a valedictory function was held on 21 December 2022 . The Principal of the College, graced the occasion. The meeting was presided over by the HOD (commerce),



Sri T Gangadhar. In his opening remarks, the Head of the Department explained the need and necessity of introducing the Certificate course. The Principal advised the students to make use of the in-puts given by the Department of commerce. Certificates were distributed to the all 20 students.

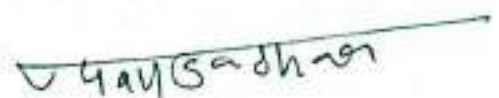
At the end of program Sri K Raja Sekhar, Lecturer in commerce, proposed the vote of thanks.



PRINCIPAL  
Govt. Degree College  
PATTIKONDA Kurnool Dist



(TGanagadhar)



Head of the Department  
**DEPARTMENT OF COMMERCE**  
Govt. Degree College,  
PATTIKONDA. Kurnool Dist



**POWER OF SIMPLICITY**

**Tally.ERP 9 at a Glance**

## syllabus

**Accounting** – It is the most important feature of Tally ERP. the very first thing that comes to anyone's mind after listening about Tally is Accounting.

**Billing** – Billing is a significant part of any business. As and when you pass an accounting entry synchronously a bill is generated which you can use for raising or sending an invoice. Most people believe that Billing is a part of Accounting which is not true when it comes to business. Billing Option present in Tally eliminates the task of entering separate accounting.

**Payroll** – This feature can be used when you have a good number of employees. To maintain Payroll in Tally, functions such as employee groups, employee categories, pay heads, attendance, and course employees are used.

**Banking** – In this era of digitalization, no business can survive without Banking. With the help of Tally ERP, TDS GST both direct and indirect tax can be calculated automatically and its returns will be also be filed online.

**Taxation** – For any business to survive it shouldn't operate in isolation. The Business should work in cooperation with State as well as Central Government by paying appropriate Taxes. Calculation of Taxes based on the income, sale, and dispatch is quite hectic. Tally makes it easy for you to prepare any bill or invoice as it can give VAT, Income Tax, Excise, Customs, Service tax, etc.

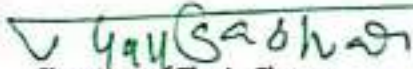
**Inventory** – Maintenance of Stock is of utmost importance for any business. It's vital as it gives better control over business sales. Thus, the movement of stock is an integral part that can be kept in control.

( TGanagadhar)

*TGanagadhar*  
Head of the Department  
DEPARTMENT OF COMMERCE  
Govt. Degree College,  
BATTIKONDA, Kurnool Dist



| Name of the Students Enrolled for Tally Certificate course |          |                      |          |                          |
|------------------------------------------------------------|----------|----------------------|----------|--------------------------|
| S.No                                                       | Admi No. | Name of the Students | class    | Signature of the Student |
| 1                                                          | 8034     | M. Liletha           |          | M. Liletha               |
| 2                                                          | 8005     | B. Amani             |          | B. Amani                 |
| 3                                                          | 8009     | C. Usharani          |          | C. Usharani              |
| 4                                                          | 8012     | D. Subhasini         |          | D. Subhasini             |
| 5                                                          | 8014     | G. Bhavani           |          | G. Bhavani               |
| 6                                                          | 8010     | H. Radhika           |          | H. Radhika               |
| 7                                                          | 8021     | H. Deepika           |          | H. Deepika               |
| 8                                                          | 8022     | J. Bhavathi          |          | J. Bhavathi              |
| 9                                                          | 8002     | B. Nareesh           |          | B. Nareesh               |
| 10                                                         | 8025     | K. Sudhakar          |          | K. Sudhakar              |
| 11                                                         | 8026     | K. Rasel             |          | K. Rasel                 |
| 12                                                         | 8033     | M. Naranthulu        |          | M. Naranthulu            |
| 13                                                         | 8032     | M. Veerath           |          | M. Veerath               |
| 14                                                         | 8036     | M. Kamsee            |          | M. Kamsee                |
| 15                                                         | 8011     | P. Sravan            |          | P. Sravan                |
| 16                                                         | 8042     | P. Sundendra         |          | P. Sundendra             |
| 17                                                         | 8023     | S. Karthika          | B Com 4. | S. Karthika              |
| 18                                                         | 8001     | C. Nauchan           |          | C. Nauchan               |
| 19                                                         | 8027     | Y. Anyali            |          | Y. Anyali                |
| 20                                                         | 8028     | S. Mahammad Akshad   |          | S. Mahammad Akshad       |
| 21                                                         | 8024     | R. Adas              |          | R. Adas                  |
| 22                                                         | 8025     | S. Toubes            |          | S. Toubes                |
| 23                                                         | 8026     | S. Hajarath Bilal    |          | S. Hajarath Bilal        |
| 24                                                         | 8029     | S. Mahammad Akil     |          | S. Mahammad Akil         |
| 25                                                         | 8014     | C. Siva              |          | C. Siva                  |

  
 Signature of The In Charge  
 DEPARTMENT OF COMMERCE  
 Govt. Degree College,  
 PATTIKONDA, Kurnool Dist

  
 Dr. R. MADHURI,  
 PRINCIPAL  
 Government Degree College  
 PATTIKONDA, Kurnool Dist., A.P

# GOVERNMENT DEGREE COLLEGE

Pattikonda Kurnool Dist., A.P.  
(Affiliated to Rayalaseema University (RU) Kurnool DT.)



## Department of Commerce

### Certificate Of Participation

This is to certify that Mr./Miss./Mrs. successfully completed 'Tally Certificate Course'  
studying \_\_\_\_\_  
Organized by Department of Commerce, Government Degree College, Pattikonda, held  
from \_\_\_\_\_ to \_\_\_\_\_.

*[Signature]*  
Coordinator  
DEPARTMENT OF COMMERCE  
GOVT. DEGREE COLLEGE,  
PATTIKONDA Kurnool Dist

*[Signature]*  
Dr. R. MADHURI, M.Sc., M.Phil., Ph.D.  
Principal  
Government Degree College  
PATTIKONDA, Kurnool Dist.



Certificate Course on Till up 1-11-2022 to 20-12-2022

20 November  
2022

# Pupils Attendance Register

పిల్లల హాజరుపట్టి

Class / Section  
Date

Page No.  
Date

| Sl. No. | Name              | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
|---------|-------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 8034    | M. Likhitha       | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 8035    | B. Arani          | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 8036    | C. Usha Rani      | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 8037    | D. Subhasini      | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 8038    | G. Bhavani        | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 8039    | H. Radhika        | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 8040    | H. Deepika        | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 8041    | J. Bharathi       | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 8042    | B. Jarek          | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 8043    | K. Sudharshan     | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 8044    | K. Rajul          | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 8045    | M. Varasimhulu    | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 8046    | M. Veeresh        | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 8047    | M. Ramlee         | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 8048    | P. Ravani         | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 8049    | P. Surendra       | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 8050    | S. Kapile         | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 8051    | C. Manohar        | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 8052    | Y. Anjali         | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 8053    | S. Mahammad Nihal | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 8054    | R. Adarsh         | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 8055    | S. Tausaib        | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 8056    | S. Henganan Bilal | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 8057    | S. Mahammad Arif  | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 8058    | C. Siva           | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |

DEPARTMENT OF COMMERCE  
Govt Degree College,  
HATTIKONDA Kurnool Dist

Sl. No. Name

Sl. No. Name

DEPARTMENT OF COMMERCE  
Govt. Degree College,  
HATTIKONDA Kurnool Dist.

Date: 20/11/2022

Page No.



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Dec 2022

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| Sl. No. | Name          | Age | Gender | Religion | Marital Status | Occupation | Income (Rs.) | Assets | Liabilities | Net Worth (Rs.) |
|---------|---------------|-----|--------|----------|----------------|------------|--------------|--------|-------------|-----------------|
| 1       | M. Likhitha   | 34  | F      | Hindu    | Married        | Homemaker  | 10000        | 10000  | 0           | 10000           |
| 2       | B. Amani      | 35  | F      | Hindu    | Married        | Homemaker  | 10000        | 10000  | 0           | 10000           |
| 3       | C. Usha Rani  | 36  | F      | Hindu    | Married        | Homemaker  | 10000        | 10000  | 0           | 10000           |
| 4       | D. Subhasini  | 37  | F      | Hindu    | Married        | Homemaker  | 10000        | 10000  | 0           | 10000           |
| 5       | G. Bhavani    | 38  | F      | Hindu    | Married        | Homemaker  | 10000        | 10000  | 0           | 10000           |
| 6       | H. Radhika    | 39  | F      | Hindu    | Married        | Homemaker  | 10000        | 10000  | 0           | 10000           |
| 7       | H. Deepika    | 40  | F      | Hindu    | Married        | Homemaker  | 10000        | 10000  | 0           | 10000           |
| 8       | J. Bhavathi   | 41  | F      | Hindu    | Married        | Homemaker  | 10000        | 10000  | 0           | 10000           |
| 9       | K. Vireesh    | 42  | M      | Hindu    | Married        | Homemaker  | 10000        | 10000  | 0           | 10000           |
| 10      | K. Sudharshan | 43  | M      | Hindu    | Married        | Homemaker  | 10000        | 10000  | 0           | 10000           |
| 11      | K. Rajul      | 44  | M      | Hindu    | Married        | Homemaker  | 10000        | 10000  | 0           | 10000           |
| 12      | M. Varasimha  | 45  | M      | Hindu    | Married        | Homemaker  | 10000        | 10000  | 0           | 10000           |
| 13      | M. Veeresh    | 46  | M      | Hindu    | Married        | Homemaker  | 10000        | 10000  | 0           | 10000           |
| 14      | M. Ramjee     | 47  | M      | Hindu    | Married        | Homemaker  | 10000        | 10000  | 0           | 10000           |
| 15      | P. Savani     | 48  | F      | Hindu    | Married        | Homemaker  | 10000        | 10000  | 0           | 10000           |
| 16      | P. Suresh     | 49  | M      | Hindu    | Married        | Homemaker  | 10000        | 10000  | 0           | 10000           |
| 17      | S. Karthik    | 50  | M      | Hindu    | Married        | Homemaker  | 10000        | 10000  | 0           | 10000           |
| 18      | C. Mangalax   | 51  | F      | Hindu    | Married        | Homemaker  | 10000        | 10000  | 0           | 10000           |
| 19      | Y. Anjali     | 52  | F      | Hindu    | Married        | Homemaker  | 10000        | 10000  | 0           | 10000           |
| 20      | S. Mahamud    | 53  | M      | Muslim   | Married        | Homemaker  | 10000        | 10000  | 0           | 10000           |
| 21      | R. Adah       | 54  | F      | Hindu    | Married        | Homemaker  | 10000        | 10000  | 0           | 10000           |
| 22      | S. Tulsib     | 55  | F      | Hindu    | Married        | Homemaker  | 10000        | 10000  | 0           | 10000           |
| 23      | S. Hargaman   | 56  | F      | Hindu    | Married        | Homemaker  | 10000        | 10000  | 0           | 10000           |
| 24      | S. Mahamud    | 57  | M      | Muslim   | Married        | Homemaker  | 10000        | 10000  | 0           | 10000           |
| 25      | C. Siva       | 58  | M      | Hindu    | Married        | Homemaker  | 10000        | 10000  | 0           | 10000           |

DEPARTMENT OF COMMERCE  
San Diego College  
BATTAGLIA, RUTH ANN

**GOVERNMENT DEGREE COLLEGE, PATTIKONDA**  
**PROPOSAL FOR THE INTRODUCTION OF CERTIFICATE COURSE IN**  
**Museum Management**

DATE: 10-11-2021

From  
 C. Jayaram ,  
 Lecturer in History,  
 Head of Department  
 Govt. Degree College  
 Pattikonda, Kurnool (Dt).

To  
 The Principal,  
 Govt. Degree College, Pattikonda  
 Kurnool (Dt),


Respected Sir,

I would like to propose that our university conduct a certificate course for III BA. HEP. The claims of outgoing students are now more regularly forwarded to the History Department. From the lowest to the highest level of employment, students' skills have become useful. The History Department looks forward to launching the course with all these factors in mind.

The details of the program are

- |                                          |                                       |
|------------------------------------------|---------------------------------------|
| 1. Name of the proposed program          | : Certificate Course                  |
| 2. Duration and timings of the program   | : 30 days                             |
| 3. Start date of the program             | : November 20 2021 to January 06-2022 |
| 4. Course fee                            | : Nil                                 |
| 5. No of students expected for admission | : 15                                  |

Yours faithfully

  
 Head of the Department,  
**C. JAYARAMULU**, M.A. M.Phil.  
 Lecturer in History,  
 (History)  
 GOVT DEGREE COLLEGE,  
 PATTIKONDA, Kurnool Dist.




**GOVERNMENT DEGREE COLLEGE, PATTIKONDA****Department Of History****Minutes of the Department meeting for the conduct of  
Certificate Course in Museum Management**

Date: 12-11-2021

The Department of History, a leader in catering to student needs, has made the decision to widen opportunities for individuals graduating from our college. There is a considerable need for new graduates with employability skills due to the expanding job market, which has been particularly visible in the **Museum Management**. With the straightforward objective of equipping graduating students with the requisite practical Knowledge and abilities, the Department of History has taken the initiative to provide a Certificate Course in **Museum Management**. On 20-11-2021, the Department of History held a meeting with its members on the College's property. The conference was led by the department head, C. Jayaram, and attended by, Narsaiah, and Gangadar lecturers in Commerce. The Department unanimously decided to organize the Certificate Course in **Museum Management** for degree-seeking students at our college, with the lecturers serving as the course instructors and the Department Head serving as chairman. As promised, the Certificate Course would span 45 days.

1. Sri C.Jayaram, Head of the Department
2. Sri Ayyappa, Lecturer in Political Science
3. Dr.H.Marriswamy ,Lecturer in Economics

  
8/19/23  
PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
Kurnool Dist A P



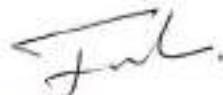
**Government DEGREE COLLEGE, PATTIKONDA.**

**DEPARTMENT OF History**

**Circular**

Date: 18-11-2021

All the BA, HEP final year degree students are hereby informed that the Department of History is going to start a certificate course in Museum Management. The duration of the course is 30 days. Students need not pay any fee for the course. The classes will commence from November 10 2021. Interested students are required to register their names in the History Department. After successful completion of the course certificate will be provided to the students.

  
Coordinator  
C. JAGANMOULU, B.A. M.Phil  
Lecturer in History,  
GOVT. DEGREE COLLEGE,  
PATTIKONDA, Kumbal Dist.

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## Syllabus

### **Museum Management**

#### Unit-I

Origin, Meaning, Definition and purposes of Museums-changing role and social relevance of museums.

History and Development of museums in india

#### Unit-II

Types of museums, classification of the museum

Open Air Museum, Inclusive museum, Community centre

Galleries and virtual museums

**Model question paper (2021-2022)****Museum Management****Maximum marks :50**

Answer any three Questions

3x10=30

- 1) Origin, meaning, Definition and purposes of museum
- 2) Write about the History and development of museums in India?
- 3) Write about the role and social Relevance of museum?
- 4) Write about Types of museums?

II Answer any Four Questions

4 x5=20

1. Techniques of Collections?
2. Conservation
3. Reservation of museum objects
4. Ethical procedure
5. Collection and preservation of old books and Documents



## Students List Registered For 2021-22

| S.No | NAME OF THE STUDENT |
|------|---------------------|
| 1    | B.mahesh            |
| 2    | B.Vijayakumar       |
| 3    | y.vamsi             |
| 4    | k.Anjaneyulu        |
| 5    | k.rajesh            |
| 6    | m.sanjjev karna     |
| 7    | M.rajasekhar        |
| 8    | N.Lokesh naik       |
| 9    | N.Upendra naik      |
| 10   | p.venkatesh         |
| 11   | P.kasim vali        |
| 12   | T.sreedhar          |
| 13   | U.naresh            |
| 14   | U.shanta kumar      |
| 15   | U.narendra          |
|      |                     |

## Attendance Sheet 2021-2022 Certificate Programme

|         |                       | 20/11/2021 | 21/11/2021 | 22/11/2021 | 23/11/2021 | 24/11/2021 | 25/11/2021 | 26/11/2021 | 27/11/2021 | 28/11/2021 | 29/11/2021 | 30/11/2021 | 01/12/2021 | 02/12/2021 | 03/12/2021 | 04/12/2021 | 05/12/2021 | 06/12/2021 | 07/12/2021 | 08/12/2021 | 09/12/2021 | 10/12/2021 |
|---------|-----------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sl. No. | Names of the Students | 1          | 2          | 3          | 4          | 5          | 6          | 7          | 8          | 9          | 10         | 11         | 12         | 13         | 14         | 15         | 16         | 17         | 18         | 19         | 20         | 21         |
|         | B.mahesh              | X          |            | X          | X          | X          | X          | X          | X          |            | X          | X          | X          | X          | X          | X          |            | X          | X          | X          | X          | X          |
|         | B.Vijayakumar         | X          |            | X          | X          | X          | X          | X          | X          |            | X          | X          | X          | X          | X          | X          |            | X          | X          | X          | X          | X          |
|         | y.vamsi               | X          |            | X          | X          | X          | X          | X          | X          |            | X          | X          | X          | X          | X          | X          |            | X          | X          | X          | X          | X          |
|         | k.Anjaneyulu          | X          |            | X          | X          | X          | X          | X          | X          |            | X          | X          | X          | X          | X          | X          |            | X          | X          | X          | X          | X          |
|         | k.rajesh              | X          |            | X          | X          | X          | X          | X          | X          |            | X          | X          | X          | X          | X          | X          |            | X          | X          | X          | X          | X          |
|         | m.sanjjevkarna        | X          |            | X          | X          | X          | X          | X          | X          |            | X          | X          | X          | X          | X          | X          |            | X          | X          | X          | X          | X          |
|         | M.rajasekhar          | X          |            | X          | X          | X          | X          | X          | X          |            | X          | X          | X          | X          | X          | X          |            | X          | X          | X          | X          | X          |
|         | N.Lokesh naik         | X          |            | X          | X          | X          | X          | X          | X          |            | X          | X          | X          | X          | X          | X          |            | X          | X          | X          | X          | X          |
|         | N.Upendra naik        | X          |            | X          | X          | X          | X          | X          | X          |            | X          | X          | X          | X          | X          | X          |            | X          | X          | X          | X          | X          |
|         | p.venkatesh           | X          |            | X          | X          | X          | X          | X          | X          |            | X          | X          | X          | X          | X          | X          |            | X          | X          | X          | X          | X          |
|         | P.kasim vali          | X          |            | X          | X          | X          | X          | X          | X          |            | X          | X          | X          | X          | X          | X          |            | X          | X          | X          | X          | X          |
|         | T.sreedhar            | X          |            | X          | X          | X          | X          | X          | X          |            | X          | X          | X          | X          | X          | X          |            | X          | X          | X          | X          | X          |
|         | U.naresh              | X          |            | X          | X          | X          | X          | X          | X          |            | X          | X          | X          | X          | X          | X          |            | X          | X          | X          | X          | X          |
|         | U.shanta kumar        | X          |            | X          | X          | X          | X          | X          | X          |            | X          | X          | X          | X          | X          | X          |            | X          | X          | X          | X          | X          |
|         | U.narendra            | X          |            | X          | X          | X          | X          | X          | X          |            | X          | X          | X          | X          | X          | X          |            | X          | X          | X          | X          | X          |

| S. No | Names of the Students | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 |
|-------|-----------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1     | B.mahesh              |    | X  | X  | X  | X  | X  | X  | X  |    | X  | X  | X  | X  | X  |    |    | X  |    |    |    |    |    |    |
| 2     | B.Vijayakumar         |    |    | X  | X  | X  | X  | X  | X  |    | X  | X  | X  | X  | X  |    |    | X  |    |    |    |    |    |    |
| 3     | y.vamsi               |    |    | X  | X  | X  | X  | X  | X  |    | X  | X  | X  | X  | X  |    |    | X  |    |    |    |    |    |    |
| 4     | k.Anjaneyulu          |    |    | X  | X  | X  | X  | X  | X  |    | X  | X  | X  | X  | X  |    |    | X  |    |    |    |    |    |    |
| 5     | k.rajes               |    |    | X  | X  | X  | X  | X  | X  |    | X  | X  | X  | X  | X  |    |    | X  |    |    |    |    |    |    |
| 6     | m.sanjeev karna       |    |    | X  | X  | X  | X  | X  | X  |    | X  | X  | X  | X  | X  |    |    | X  |    |    |    |    |    |    |
| 7     | M.raja sekhar         |    |    | X  | X  | X  | X  | X  | X  |    | X  | X  | X  | X  | X  |    |    | X  |    |    |    |    |    |    |
| 8     | N.Lokesh naik         |    |    | X  | X  | X  | X  | X  | X  |    | X  | X  | X  | X  | X  |    |    | X  |    |    |    |    |    |    |
| 9     | N.Upendra naik        |    |    | X  | X  | X  | X  | X  | X  |    | X  | X  | X  | X  | X  |    |    | X  |    |    |    |    |    |    |
| 10    | p.venkatesh           |    |    | X  | X  | X  | X  | X  | X  |    | X  | X  | X  | X  | X  |    |    | X  |    |    |    |    |    |    |
| 11    | P.kasim vali          |    |    | X  | X  | X  | X  | X  | X  |    | X  | X  | X  | X  | X  |    |    | X  |    |    |    |    |    |    |
| 12    | T.sreedhar            |    |    | X  | X  | X  | X  | X  | X  |    | X  | X  | X  | X  | X  |    |    | X  |    |    |    |    |    |    |
| 13    | U.naresh              |    |    | X  | X  | X  | X  | X  | X  |    | X  | X  | X  | X  | X  |    |    | X  |    |    |    |    |    |    |
| 14    | U.shanta kumar        |    |    | X  | X  | X  | X  | X  | X  |    | X  | X  | X  | X  | X  |    |    | X  |    |    |    |    |    |    |
| 15    | U.narendra            |    |    | X  | X  | X  | X  | X  | X  |    | X  | X  | X  | X  | X  |    |    | X  |    |    |    |    |    |    |





# GOVERNMENT DEGREE COLLEGE

PATTIKONDA, KURNOOL-518380, A.P.

AFFILIATED TO RAYALASEEMA UNIVERSITY (RU) KURNOOL

RE-ACCREDITED BY NAAC WITH 'B' GRADE

**Department of \_\_\_\_\_**

## Certificate Of Participation

This is to certify that Mr./Miss./Mrs. \_\_\_\_\_ studying  
\_\_\_\_\_ successfully completed ' \_\_\_\_\_ '

Organized by Department of \_\_\_\_\_, Government Degree College,

Pattikonda, Kurnool(Dt) held from \_\_\_\_\_ to \_\_\_\_\_.

Coordinator

Principal



**GOVERNMENT DEGREE COLLEGE::PATTIKONDA  
DEPARTMENT OF PHYSICS  
CERTIFICATE COURSE  
ON  
AC DEVICES-REPAIRS  
2021-22**

  
**CO-ORDINATOR**

  
**PRINCIPAL**  
Govt Degree College  
PATTIKONDA, Kurnool Dist



**GOVERNMENT DEGREE COLLEGE, PATTIKONDA**

**Department Of PHYSICS**

**Minutes of the Department meeting for the conduct of  
Certificate Course on AC DEVICES-REPAIRS**

Date:20.07.2021

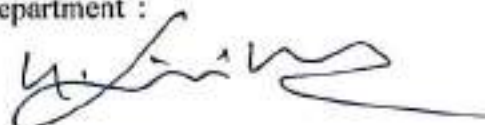
The Department of Physics, a leader in catering to student needs, has made the decision to widen opportunities for individuals graduating from our College. There is a considerable need for new graduates with technical skills due to the expanding job market, which has been particularly visible in the private sector. With the straightforward objective of equipping graduating students with the requisite practical and technical abilities, the Department of Physics has taken the initiative to provide a Certificate Course in **AC DEVICES-REPAIRS**.

On 20.07.2021, the Department of Physics held a meeting with its members on the College's property. The conference was led by the department head, Sri.A.Ravisankar Sharma, and attended by, Dr.G.Srinivasulu, in the laboratory. The Department unanimously decided to organize the Certificate Course on **AC DEVICES-REPAIRS** for degree-seeking students at our College, with the lecturers serving as the course instructors and the Department Head serving as chairman. As promised, the Certificate Course would span 45 days.

1. Sri.A.Ravisankar Sharma, Head of the Department :

2. Dr.G.Srinivasulu, Lecturer in Physics :

3. Sri.Y.sai sashidhar lecturer in physics



**PRINCIPAL**  
Govt. Degree College  
PATTIKONDA, Kurnool Dist



**GOVERNMENT DEGREE COLLEGE, PATTIKONDA**  
**PROPOSAL FOR THE INTRODUCTION OF CERTIFICATE COURSE IN**  
**AC DEVICES -REPAIRES**

DATE: 21.07.2021

From  
Sri.A.Ravisankar Sharma,  
Lecturer in Physics,  
Head of Department  
Govt. Degree College  
Pattikonda, Kurnool (Dt).

To  
The Principal,  
Govt. Degree College, Pattikonda  
Kurnool (Dt),

Respected Sir,

I would want to suggest that our college hold a certificate programme on "AC DEVICES REPAIR". The demands of departing students are now more regularly communicated to the Department of Physics. From the lowest to the highest levels of employment, this Programme has become essential to the students. The Department of Physics is excited to start the course taking into account all of these factors.

The details of the program are

- |                                           |                      |
|-------------------------------------------|----------------------|
| 1. Name of the proposed program           | : CERTIFICATE COURSE |
| 2. Duration and timings of the program    | : 45 DAYS            |
| 3. Start date of the program              | : 02.08.2021         |
| 4. Course fee                             | : no fees            |
| 5. No. of students expected for admission | : 20                 |

Yours faithfully

Department of Physics  
Head of the Department  
Govt. Degree College  
Pattikonda

**GOVERNMENT DEGREE COLLEGE, PATTIKONDA.**

**DEPARTMENT OF PHYSICS**

**Circular**

Date: 26.07.2021

All the B.Sc. M.P.Cs Second year degree students are hereby informed that the Department of Physics is going to start a certificate course in '**AC DEVICES - REPAIRS**'. The duration of the course is 45 days. Students need not pay any fee for the course. The classes will commence from 02.08.2021. Interested students are required to register their names in the Physics Department. After successful completion of the course certificate will be provided to the students.

Coordinator



(Dr.G.Srinivasulu)

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# Students List Registered For AC DEVICES -REPAIRES 2021-2022

| S.No | NAME OF THE STUDENT        |
|------|----------------------------|
| 1    | <b>C.ANITHA</b>            |
| 2    | <b>A.ANJNEYULU</b>         |
| 3    | <b>S.JAMILA</b>            |
| 4    | <b>B.LATHA</b>             |
| 5    | <b>M.MANO HAR</b>          |
| 6    | <b>B.KALPANA</b>           |
| 7    | <b>K.NASREEN</b>           |
| 8    | <b>P.SIVASANKAR PRASAD</b> |
| 9    | <b>P.RAJESH KUMAR</b>      |
| 10   | <b>P.SANDHYA</b>           |
| 11   | <b>R.RAVI TEJA</b>         |
| 12   | <b>S.RAMESH</b>            |
| 13   | <b>P.NEELA KANTA</b>       |
| 14   | <b>Y.SRIRANGADU</b>        |
| 15   | <b>Y.SRIKANTH</b>          |
| 16   | <b>A.DADAVALI</b>          |
| 17   | <b>D.UPENDRA</b>           |
| 18   | <b>D.LOKESU</b>            |
| 19   | <b>D.RANGASWAMY</b>        |
| 20   | <b>G.RUVENDRA</b>          |



### **Training outcomes:-**

At the end of the training, the candidates will be able to

1. Appreciate the importance of embarking on self-employment and has developed the confidence and personal skills for the same.
2. Identify business opportunities in chosen sector / sub-sector and plan and market and sell products / services
3. Start a small business enterprise by liaising with different stake holders
4. Effectively manage small business enterprise
5. Understand the Fundamentals of Electrical equipments, electricity, current, voltage, power and circuits of different capacity motors.
6. Perform House wiring / Hospital Wiring / Office /Go-down wiring etc.
7. Identify the cable sizes and perform cable jointing

### **Syllabus:-**

1. Candidate is clearly able to differentiate between Wage employment, Self-employment and Entrepreneurship
2. Understand, appreciate and develop the self-confidence for embarking on self-employment/entrepreneurship.
3. Understand and internalize entrepreneurial competencies and know their importance for becoming a successful entrepreneur.
4. Trainee is able to understand the legal and regulatory aspects of launching an enterprise.
5. Trainee is able to appreciate need for continuous growth and expansion of an enterprise

Each question carries 8 marks (8\*5)

1. Do the lights dim when appliances work?
2. Have you ever upgraded your electrical service?
3. What are the essential precautions at service break?
4. What are AC and DC supply?
5. What is M.C.B?

Each question carries one mark (1\*10)

1. \_\_\_\_\_ is the Electricians knife.  
(A) Double blade  
(B) Cutter  
(C) Blade  
(D) Tester
2. Electric Wire usually made of \_\_\_\_\_.  
(A) Tin  
(B) Steel  
(C) Copper  
(D) Iron
3. Which effect of current applied in ceiling fan?  
(A) Heating  
(B) Chemical  
(C) Magnetic  
(D) Gas Ionization
4. Unit of Electrical Resistance?  
(A) Volt  
(B) Ohm  
(C) Watt  
(D) Ampere

5. Which color of Protective conductor?

- (A) G-Y
- (B) G-R
- (C) G-B
- (D) G-B-L

6. CTS stand for?

- (A) cable
- (B) type
- (C) sheathed
- (D) Cable tyro seethed

7. SWG 22 wire in mm?

- (A) 1.016
- (B) 1.219
- (C) 0.711
- (D) 0.914

8. EPR stands for?

- (A) ethylene
- (B) propylene
- (C) rubber
- (D) Ethylene propylene rubber

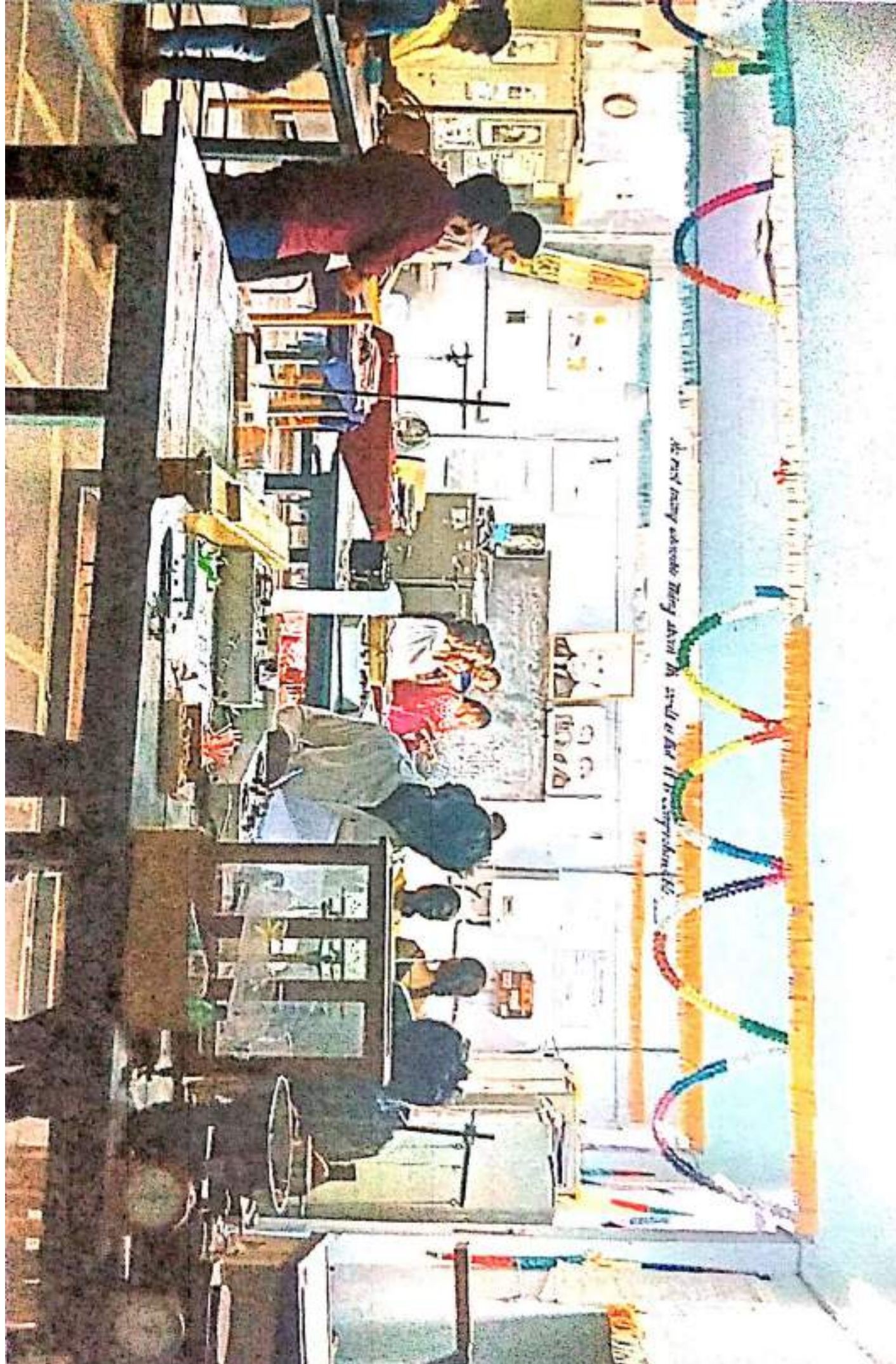
9. How many types of oil filled cables?

- (A) 2
- (B) 3
- (C) 6
- (D) 8

10. Metallic tubing type?

- (A) EMT
- (B) RNMC
- (C) ENT
- (D) GRC









# GOVERNMENT DEGREE COLLEGE

PATTIKONDA, KURNOOL-518380, A.P.

AFFILIATED TO RAYALASEEMA UNIVERSITY (RU) KURNOOL

RE-ACCREDITED BY NAAC WITH 'B' GRADE

DEPARTMENT OF PHYSICS

## Certificate of Participation

This is to certify that Mr./Miss./Mrs. B.LATHA studying II B.Sc. M.P.Cs successfully

Completed 'AC DEVICES-REPAIRS' Organized by Department of Physics, Government Degree College,

Pattikonda,

Kurnool (DT) held from 02.08.2021 to 25.09.2021.

  
Coordinator

Principal

**Government Degree College, Pattikonda**

**Department of Physics**

**Final Report of Certification Course in AC DEVICES -REPAIRS**

AC DEVICES -REPAIRS was developed by the Department of Physics with the help of the Principal, Dr. B.KRUPENDRA Reddy, for the College's students. By offering a certificate course in House wiring for 20 days, the Department of Physics has made a modest start in its effort to teach and enhance the students with practical knowledge of the House wiring. The primary goal of the course, as previously decided, was to impart House wiring knowledge to the departing pupils. The demands of the final year students are taken into consideration when creating the course's fundamental framework. The aforementioned course began on August 2nd, 2021, and ended on 25th september , 2021. The pupils' response was very positive. The Seminar Hall was crowded with eager students for its first presentation.

The principal Dr. B.KRUPENDRA Reddy, spoke to the students and informed them of the significance of technology in both the social and business spheres. He also praised the work of the department of business and complimented Sri A.RAVISANKAR SHARMA, HOD, who served as the course's architect. The course had a high turnout of students. Regular attendance for the classes, which ran from 04.00 PM to 6:00 PM, was 20 students.

The sessions were engaging, educational, and fascinating. The students were able to comprehend how to learn and understand House wiring with the use of hands-on activities, films, handouts, seminars, quizzes, suggested books, and engaging exercises. The pupils' confidence level was raised via brainstorming sessions, discussions, group exercises, and impromptu presentations. The complete course took place ,The Course ran its entire course of 20 days and also took informal inputs from the students for making the course better next time.

After the successful completion of the said Certificate course, a valedictory function was held on 25<sup>th</sup> september 2021. The Principal of the College Dr. B.KRUPENDRA Reddy , graced the occasion. The meeting was presided over by the HOD (Physics), Sri A.Ravisankar sharma. At the end of program Dr.G. Srinivasulu, Lecturer in Physics, proposed the vote of thanks.



**Government Degree College, Pattikonda**

**Pattikonda, Kurnool-518380, A.P.**

*Affiliated to Payalaseema University Kurnool-*

*Re-Accredited By N' AAC with B Grade*

**Department of Political Science**

**A**

**Certificate Course in  
Basic Organs of the Government  
2021-2022**

# GOVERNMENT DEGREE COLLEGE, PATTIKONDA

## Department of Political Science

### Minutes of the Department meeting for the conduct of Certificate Course in Basic Organs of the Government

Date: 01-02-2022

The Department of Political Science a leader in meeting student needs has decided to increase the number of opportunities available to College graduates. Due to the growing job market, which is especially evident in the globalized sector, there is a significant need for recent graduates with political knowledge. The Department of Political Science has taken the initiative to offer a Certificate Course in public Communication Skills with the simple goal of giving graduating students the necessary practical and public speaking skills.

The Department of Political Science met with its members on the College's property on 01-02-2022 the Department unanimously decided to set up the Certificate Course in communication skills for degree seeking students at our College, with the lecturers serving as course instructors and the Department Head acting as chairman. The conference was presided over by department head H. Ramanjini the Certificate Course would last 45 days as promised.

1. Sri H. Ramanjini, Head of the Department :

  
Principal  
PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
Kurnool Dist A P

# Government Degree College, Pattikonda

## Proposal for the Introduction of Certificate

### Course in

## 21-22 Basic Organs of the Government

Date: 1-02-2022

From

Sri H.Ramajini,

Lecturer in Political Science,

Govt. Degree College, Pattikonda -Kurnool (DA).

To

The Principal

Govt. Degree College

Pattikonda, Kurnool (DA).

Respected Sir,

The Department of political science will hold a certificate course in Basic Organs of the Government. The course is in response to the demand of Final Year students. The Department of Political Science is enthusiastic about starting the course, considering all these factors. Details of the program will be provided.

1. Name of the proposed program : A Certificate course in basic organs of the government
2. Duration and timings of the program: 45 days
3. Start date of the program : ~~1-2~~ 02-2022 to 31-03-2022
4. Course fee : free
- 5.No,of students expected for admission: 15

Yours faithfully

Head of Department Political Science



# **Government Degree College, Pattikonda.**

## **Department of Political Science**

**Date: 01-02-2022**

### **Circular**

Political Science Department is starting a certificate course in *basic organs of the government* for the duration of the course, which will last 45 days. There is no fee required for the course, and classes will commence on ~~15~~ 02-2022 TO 31-03-2022. If you're interested in enrolling, please register your name with the department soon! After successfully completing the course, you'll receive a certificate.

  
Coordinator

**Copy to the Library Notice Board**

**Copy to the Notice Board**

**Copy for Circulation among the Students**

## List of Students Registered for Basic Organs of the Government 2021-22

| S.No | Name of the Students | Remarks |
|------|----------------------|---------|
| 1    | G.Gopala Krishna     |         |
| 2    | M.Manohar            |         |
| 3    | P.Surendra           |         |
| 4    | G.Ranganayakulu      |         |
| 5    | M.Ravi Prakssh       |         |
| 6    | K.Rajasekhar         |         |
| 7    | B.Ramanjineyulu      |         |
| 8    | P.Pandu              |         |
| 9    | J.Yellamma (W)       |         |
| 10   | U.Sandhya (W)        |         |
| 11   | M.Jyothi (W)         |         |
| 12   | P.Narasimha Naidu    |         |
| 13   | M.Suresh             |         |
| 14   | C.Mallikarjuna       |         |
| 15   | P.Ravikumar          |         |

# Attendance Sheet 2021-22 Certificate Course in

14/2/22 to -31/3/22 Basic Organs of the Government

| S.No | Names of the Students | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |   |   |   |
|------|-----------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|---|---|
| 1.   | G.Gopala Krishna      | a | p | p | a | p | a |   | p | a | p  | p  | a  | a  |    | p  | p  | p  | a  | a  | p  |    | p  | a  | a  | p  |    | p  | a  | a  | p  |   | p |   |
| 2.   | M.Manohar             | a | p | p | a | p | a |   | p | a | p  | p  | a  | a  |    | p  | p  | p  | a  | a  | p  |    | p  | p  | a  | a  | p  |    | p  | a  | a  | p |   | p |
| 3.   | P.Surendra            | a | p | p | a | p | a |   | p | a | p  | p  | a  | a  |    | p  | p  | p  | a  | a  | p  |    | p  | p  | a  | a  | p  |    | p  | a  | a  | p |   | p |
| 4.   | G.Ranganayakulu       | a | p | p | a | p | a |   | p | a | p  | p  | a  | a  |    | p  | p  | p  | a  | a  | p  |    | p  | p  | a  | a  | p  |    | p  | a  | a  | p |   | p |
| 5.   | M.Ravi Prakssh        | a | p | p | a | p | a |   | p | a | p  | p  | a  | a  |    | p  | p  | p  | a  | a  | p  |    | p  | p  | a  | a  | p  |    | p  | a  | a  | p |   | p |
| 6.   | K.Rajasekhar          | a | p | p | a | p | a |   | p | a | p  | p  | a  | a  |    | p  | p  | p  | a  | a  | p  |    | p  | p  | a  | a  | p  |    | p  | a  | a  | p |   | p |
| 7.   | B.Ramanjineyulu       | a | p | p | a | p | a |   | p | a | p  | p  | a  | a  |    | p  | p  | p  | a  | a  | p  |    | p  | p  | a  | a  | p  |    | p  | a  | a  | p |   | p |
| 8.   | P.Pandu               | a | p | p | a | p | a |   | p | a | p  | p  | a  | a  |    | p  | p  | p  | a  | a  | p  |    | p  | p  | a  | a  | p  |    | p  | a  | a  | p |   | p |
| 9.   | J.Yellamma (W)        | a | p | p | a | p | a |   | p | a | p  | p  | a  | a  |    | p  | p  | p  | a  | a  | p  |    | p  | p  | a  | a  | p  |    | p  | a  | a  | p |   | p |
| 10.  | U.Sandhya (W)         | a | p | p | a | p | a |   | p | a | p  | p  | a  | a  |    | p  | p  | p  | a  | a  | p  |    | p  | p  | a  | a  | p  |    | p  | a  | a  | p |   | p |
| 11.  | M.Jyothi (W)          | a | p | p | a | p | a |   | p | a | p  | p  | a  | a  |    | p  | p  | p  | a  | a  | p  |    | p  | p  | a  | a  | p  |    | p  | a  | a  | p |   | p |
| 12.  | P.Narasimha Naidu     | a | p | p | a | p | a |   | p | a | p  | p  | a  | a  |    | p  | p  | p  | a  | a  | p  |    | p  | p  | a  | a  | p  |    | p  | a  | a  | p |   | p |
| 13.  | M.Suresh              | a | p | p | a | p | a |   | p | a | p  | p  | a  | a  |    | p  | p  | p  | a  | a  | p  |    | p  | p  | a  | a  | p  |    | p  | a  | a  | p |   | p |
| 14.  | C.Mallikarjuna        | a | p | p | a | p | a |   | p | a | p  | p  | a  | a  |    | p  | p  | p  | a  | a  | p  |    | p  | p  | a  | a  | p  |    | p  | a  | a  | p |   | p |
| 15.  | P.Ravikumar           | a | p | p | a | p | a |   | p | a | p  | p  | a  | a  |    | p  | p  | p  | a  | a  | p  |    | p  | p  | a  | a  | p  |    | p  | a  | a  | p |   | p |



# Attendance Sheet 2021-22 Certificate Course in

14/2/2022 to 21/5/2022  
Basic Organisms of the Government

| S.No | Names of the Students | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|------|-----------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1.   | G.Gopala Krishna      | P | P | A | C | A | P | A | P | A | P  | A  | P  | P  | P  | P  | P  |    |    |    |    |    |    |    |
| 2.   | M.Manohar             | P | C | A | P | P | A | P | A | P | P  | P  | P  | P  | P  | P  | P  |    |    |    |    |    |    |    |
| 3.   | P.Surendra            | C | P | P | A | A | P | A | P | A | P  | P  | P  | P  | P  | P  | P  |    |    |    |    |    |    |    |
| 4.   | G.Ranganayakulu       | P | A | A | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  |    |    |    |    |    |    |    |
| 5.   | M.Ravi Prakshh        | A | P | P | P | A | P | P | P | P | P  | P  | P  | P  | P  | P  | P  |    |    |    |    |    |    |    |
| 6.   | K.Rajasekhar          | C | A | P | P | A | P | P | P | P | P  | P  | P  | P  | P  | P  | P  |    |    |    |    |    |    |    |
| 7.   | B.Ramanjineyulu       | P | P | A | A | P | P | A | P | P | P  | P  | P  | P  | P  | P  | P  |    |    |    |    |    |    |    |
| 8.   | P.Pandu               | P | C | P | P | P | P | A | P | P | P  | P  | P  | P  | P  | P  | P  |    |    |    |    |    |    |    |
| 9.   | J.Yellamma (W)        | C | P | P | A | P | P | A | P | P | P  | P  | P  | P  | P  | P  | P  |    |    |    |    |    |    |    |
| 10.  | U.Sandhya (W)         | P | P | P | A | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  |    |    |    |    |    |    |    |
| 11.  | M.Jyothi (W)          | P | P | P | A | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  |    |    |    |    |    |    |    |
| 12.  | P.Narasimha Naidu     | P | P | P | A | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  |    |    |    |    |    |    |    |
| 13.  | M.Suresh              | C | P | P | A | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  |    |    |    |    |    |    |    |
| 14.  | C.Mallikarjuna        | C | P | P | A | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  |    |    |    |    |    |    |    |
| 15.  | P.Ravikumar           | C | C | A | P | A | P | P | P | P | P  | P  | P  | P  | P  | P  | P  |    |    |    |    |    |    |    |



## **Government Degree College, Pattikonda**

**Pattikonda, Kurnool-518380, A.P.**

*Affiliated to Rayalaseema University (R2U) Kurnool-*

*Re-Accredited By NAAC with 'B' Grade*

## **Department of Political Science**

### **Certificate of Participant**

*This is to certify that Mr./Miss./Mrs. U.Sandhya studying III B.A success fully completed 'A  
Certificate Course in Basic organs of the government 'Organized by Department of Political Science, Government  
Degree College, Pattikonda, Kurnool (Dt) held from 13-02-2022 to 31-03-2022*

*H. Krupar*  
Coordinator

Principal

*[Signature]*

**Government Degree College, Pattikonda**

**21-22**

**A**

**Certificate Course in**

**Basic organs of political science**

**Syllabus:**

**Unit-01- Organs of the Government**

**Unit-02- Forms of Government**



## **Model Question Paper (2021-22)**

### **A Certificate Course in Basic Organs of Political Science**

Time 01:30

Maximum Marks: 50

---

**Answer the Following questions:**

- What is unitary form of government?
- How to secure independence judiciary?
- What are the main features of unitary government?
- Delegate legislation
- Explain the reasons for the growing importance of the executive

# **Government Degree College, Pattikonda**

**Department of Political Science**

**Final Report of Certificate Course**

**in**

## **Basic Organs of the Government**

This Programme was developed by political science department with the help of the Principal for college students. By offering the 45-day Certificate course in introduction to political science

, the political science Department has made a humble beginning in its efforts to teach and improve students' practical knowledge. The requirements of final year students are taken into account when creating the basic framework of the course. The above mentioned course started on 13-02-2022 and ended on 31-03-2022 . The feedback from the students was very positive. The seminar hall was full of students waiting for their first presentation.

The Principal, spoke to the students and knowledgeable them of the importance of generation in both the social and enterprise spheres. He additionally praised the paintings of the department of political science and complimented SRI.H.RAMANJINI, HOD, who served as the route's architect. The periods were attractive, academic and fascinating. The pupils' confidence degree becomes raised through brainstorming classes, discussions, organization sporting activities, and impromptu displays. The complete direction took place; the course ran its complete direction of forty five days and additionally took informal inputs from the scholars for making the direction higher next time. Upon the successful completion of the aforementioned Certificate programme, a farewell celebration was organized on the last day of the programme. The event was graced by the college principal

ప్రభుత్వ డిగ్రీ కళాశాల, పత్తికొండ

ತೆಲುಗು ಕಾಫಿ

సర్టిఫికేట్ కోర్స్ నిర్వహించాలని తెలుగు శాఖ తీర్మానం.

తేది:01-10-2021

తెలుగు శాఖ అధ్యక్షులలో డిగ్రీ చిప్పి, చికాం, చియస్సి విద్యార్థులకు సర్టిఫికేట్ కోర్స్ నిర్వహించాలని తీర్మానించాము. అందులో భాగంగా విద్యార్థులకు ఫ్రీట్ మీడియా, ఏలక్ట్రానిక్ మీడియా, మరీయు ప్రసారమార్గమార్గలో ఇంగ్లీషు నుండి తెలుగులో అనువదించడానికి ఉపయోగపడే విధంగా తెలుగు ట్రైనింగ్ అనే సర్టిఫికేట్ కోర్స్ ను నిర్వహించాలని తీర్మానించుకున్నాము.

01-10-2021 వేదిన తెలుగు కాబ అధ్యయన లో సమావేశం జరిగింది. ఈ సమావేశానికి అధ్యక్షులు గా అధ్యాపకులు బి.పంపాచి పాల్గొన్నారు. దీనిని కళాశాల ప్రెసిసిపాల్ గారి ఆదేశాల మేరకు 30 రోజుల కాలవ్యవధిలో సర్టిఫికేట్ కోర్స్ నిర్వహించాలని తీర్మానించుకున్నాము.

ఆచార్యులు  
బి.పంపాబి (వెలుగు శాఖాధ్యక్షులు)

B. SHAMSHADULLAH, MAJ. (R)  
1951-1952, Tarnopol  
C. 1952-1953, Tarnopol  
PAI 1953-1954, Tarnopol Dist

  
Dr. R. MAHALINGAM, M.Sc., M.Phil., Ph.D.  
PRINCIPAL  
Government Degree College  
PATTIKONDA, Kurnool Dist.



## ప్రభుత్వ డిగ్రీ కళాశాల, పత్తికొండ

తెలుగు కాప

ప్రభుత్వ డిగ్రీ కళాశాల పత్తికొండ

కళాశాల (ప్రభుత్వ)

ప్రభుత్వ డిగ్రీ కళాశాల పత్తికొండ.

విషయం: తెలుగు టైపింగ్ సర్టిఫికేట్ కోర్స్ ప్రారంభించడానికి అనుమతి కొరకు:

ప్రభుత్వ డిగ్రీ కళాశాల పత్తికొండ తెలుగు కాప ఆధ్వర్యంలో డిగ్రీ మూడవ సంవత్సరం విద్యార్థులకు తెలుగు టైపింగ్ సర్టిఫికేట్ కోర్స్ నిర్వహించాలని తెలుగు కాప తీర్మానించింది. నేటి సమావేశంలో చర్చించిన ప్రభావం ప్రాంత మేడియా ఎలక్ట్రానిక్ మేడియా ప్రసార మాధ్యమాల ప్రభావం ఎక్కువగా ఉంది. విద్యార్థులు చాలాలో అవకాశాలు పొందేలా తెలుగు కాప తెలుగు టైపింగ్ సర్టిఫికేట్ కోర్స్ నిర్వహించడానికి అనుమతించాలని.

కోర్సు వివరాలు

కోర్స్ పేరు: తెలుగు టైపింగ్

కోర్సు కాల వ్యవధి సమయం

ప్రారంభ తేదీ

కోర్స్ ఫీజు

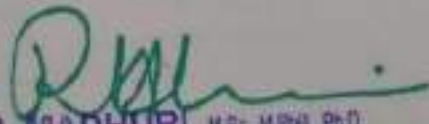
మొత్తం విద్యార్థుల సంఖ్య

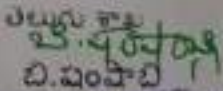
: 30 రోజులు సా. 5 నుండి 6 గంటల వరకు

: 11-10-2021-24-11-2021

: ఏమీ లేదు

: 30

  
Dr. R. MADHURI, MSc, MPhil, PhD.  
PRINCIPAL  
Government Degree College  
PATTIKONDA, Kumool Dist., A.P.

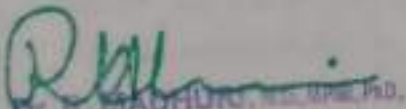
  
B. SHAMSHABEE, MA, BEd, NET  
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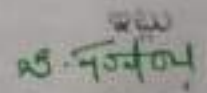
తెలుగు కాఖ

సర్క్యులర్

01-10-2021

కాకాళలో దీని చదువుతున్న విద్యార్థులు అందరికీ తెలుగు కాఖ తెలియజేయునది ఏమనగా తెలుగు కాఖ తెలుగు టైపింగ్ అనే సర్టిఫికేట్ కోర్సులు క్రైస్టియన్ జూల వ్యవధిలో ఎలాంటి రుసుము లేకుండా నిర్వహిస్తుంది. కోర్సు 11-10-2021-వేదీన ప్రారంభం అవుతుంది ఆసక్తిగల విద్యార్థులు పేరు సమయ చేసుకోండి. కోర్సు చూస్తే అయిన తర్వాత సర్టిఫికేట్ కూడా జారీ చేయబడును కావున విద్యార్థులందరూ ఈ అవకాశాన్ని సద్వినియోగం చేసుకోగలరు.

  
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PATTIKONDA, Kurnool Dist.

# ప్రభుత్వ డిగ్రీ కళాశాల, పతికొండ

తెలుగు శాఖ 2021-2022

## తెలుగు టైపింగ్ సర్టిఫికేట్ కోర్స్ తుది నివేదిక

తెలుగు శాఖ అధ్యక్షులలో చిపి, చిశాం, చివస్స విద్యార్థులకు తెలుగు టైపింగ్ సర్టిఫికేట్ కోర్సు 40 రోజుల కాలవ్యవధిలో నిర్వహించాలని కళాశాల ప్రెసిపిట్ గారి ఆద్యక్షులలో తీర్మానం జరిగింది. డిగ్రీ పైనర్లయిర్ విద్యార్థులు కోర్సు అయిపోయిన తర్వాత వారికి ఉపయోగపడే విధంగా బాషా సైబుడ్యాలను నేర్పించడం ఈ కోర్సు యొక్క ప్రధాన ఉద్దేశం ప్రెట్ మీడియా, ఎలక్ట్రానిక్ మీడియా, ప్రసార మాధ్యమాలను వ్యప్టలో ఉంచుకని కోర్సు రూపొందిడం జరిగింది.

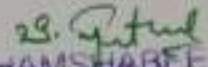
సర్టిఫికేట్ కోర్సు ప్రారంభ సమాచేశంలో విద్యార్థులు చాలా ఉత్సాహంగా పాల్గొన్నారు. ప్రెసిపిట్ గారు విద్యార్థులను ఉద్దేశిస్తూ నేటి సమాజం మీద మీడియా, పత్రిక రంగాలు అత్యంత ప్రభావాన్ని చూపిస్తున్నాయి ఈ రంగాల్లో ఉద్యోగ అవకాశాలు పొందేలా ఈ సర్టిఫికేట్ కోర్సు మీకు చాలా ఉపయోగపడుతుంది. కాలట్టి విద్యార్థులు ఈ అవకాశాన్ని ఉపయోగించుకుని ఆయా రంగాల్లో ముందుకెళ్లాలని విద్యార్థులకు సూచించారు.

విద్యార్థులు కోర్సు నడుపుకునే సమయంలో కంప్యూటర్ లో తెలుగును టైపింగ్ చేయడం, తి తోర్లు ను ఉపయోగించడం, ఇంగ్లీష్ నుండి తెలుగు అనువదించడం మొదలైన విషయాలన్నింటినీ భాష రోర్టీ ఉపయోగిస్తూ, చి సీ టి భాష ఉపయోగిస్తూ బోధించడం జరిగింది. తర్వాత విద్యార్థులను లాంగ్వేజ్ ల్యూర్ తి తీసుకెళ్లి ప్రిం విద్యార్థి పైన ప్రత్యేక శ్రద్ధతో టైపింగ్ ప్రాక్టీస్ చేయించాము. రెండు వారాల తర్వాత విద్యార్థుల అంగ



రాక్యాలను ఇచ్చి తెలుగులో టైప్ చేయమని సూచించాము. మొత్తం 30 రోజుల పాటు కోర్సు కొనసాగింది. కోర్సు  
వార్యయిన తర్వాత విద్యార్థులకు ముగింపు సమావేశంలో ప్రెసిఫర్ గారి చేతుల మీదుగా సర్టిఫికేట్లు జారీ చేసి  
కోర్సును విజయవంతంగా ముగించాము.

  
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## ప్రభుత్వ డిగ్రీ కళాశాల, పత్తికొండ

తెలుగు శాఖ

సర్టిఫికేట్ కోర్స్: ఆన్ లైన్ తెలుగు టైపింగ్ 2021-2022

### పాఠ్య ప్రణాళిక:

- తెలుగు టైపింగ్ - పరిచయం
- తెలుగు టైపింగ్ - అవకాశం
- తెలుగు కీ బోర్డు
- తెలుగు టైపింగ్ - అనుచితవాదాలు
- తెలుగు లోకీ (Lesson)



# Government Degree College, Pattikonda

Pattikonda, Kurnool-518380, A.P.

Affiliated to Ragalasrama University (RU) Kurnool-

Re-Accredited By NAAC with 'B' Grade

## Department of Telugu

### Certificate of Participant

This is to certify that Mr./Miss./Mrs. \_\_\_\_\_ studying \_\_\_\_\_ success fully completed 'A Certificate

Course in తెలుగు భాష Organized by Department of Telugu, Government Degree College, Pattikonda, Kurnool (Dt) held from 11/10/2021 to

24/11/2021

28-10-2021  
B. SHAMSHABEE, MA, BEd, MEd  
Lecturer in Telugu  
Govt. Degree College,  
PATTIKONDA, Kurnool Dist

Dr. R. Madhuri  
Dr. R. MADHURI, M.Sc., M.Phil., Ph.D.,  
PRINCIPAL  
Government Degree College  
PATTIKONDA., Kurnool Dist., A.P

# List of Students Registered for certificate course 2021-22

## A Certificate Course in Telugu Typing

| S.No | Hall Ticket Number | Name of the Students   | Signature of the student |
|------|--------------------|------------------------|--------------------------|
| 1    | 21110048001        | Arekanti Anil Kumar    | A. Anil Kumar            |
| 2    | 21110048002        | Arekanti Pavan Kalyan  | A. Pavan Kalyan          |
| 3    | 21110048003        | Banavath Simhadri Naik | Simha Naik               |
| 4    | 21110048004        | Bestha Urukundappa     | Urukundappa              |
| 5    | 21110048005        | Bestha Ganesh          | Ganesh                   |
| 6    | 21110048006        | Bestha Sreenivasulu    | Sreenivasulu             |
| 7    | 21110048007        | Boya Pedda Lakshmanna  | Pedda Lakshman           |
| 8    | 21110048008        | Boya Sudhakar          | B. Sudhakar              |
| 9    | 21110048009        | Boya Manjunath         | B. Manjunath             |
| 10   | 21110048010        | Chakali Janardhan      | C. Janardhan             |
| 11   | 21110048011        | Chennikolla Ravi       | Ravi                     |
| 12   | 21110048012        | Dara Upendra Reddy     | Upendra Reddy            |
| 13   | 21110048013        | Dokkolu Chandra        | Chandra                  |
| 14   | 21110048014        | Ediga Jyoshna          | Jyoshna                  |
| 15   | 21110048015        | Gadla Prasad           | Prasad                   |
| 16   | 21110048016        | Gajjella Surendrababu  | Surendrababu             |
| 17   | 21110048017        | Gangasani Ranganath    | Ranganath                |
| 18   | 21110048018        | Golla Vamsi            | Vamsi                    |
| 19   | 21110048019        | Golla Somashekhar      | Somashekhar              |
| 20   | 21110048020        | Golla Thippanna        | G. Thippanna             |
| 21   | 21231048001        | B Sreenivasulu         | B. Sreenivasulu          |
| 22   | 21231048002        | Barika Naresh          | Naresh                   |
| 23   | 21231048003        | Bhyravapogu Ashok      | Ashok                    |
| 24   | 21231048004        | Bola Sudhakar          | Sudhakar                 |

  
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**B. SHAMSHABEE**, M.A., B.L., M.L.  
 Lecturer in Telugu  
 Govt. Degree College,  
 PATTIKONDA, Kurnool Dist.



|    |             |                       |                |
|----|-------------|-----------------------|----------------|
| 25 | 21231048005 | Boya Amani            | Amani          |
| 26 | 21231048006 | Boya Eranna           | Eranna         |
| 27 | 21231048007 | Boya Vishnu           | Vishnu         |
| 28 | 21231048008 | Boya Nalla Reddy      | Nalla Reddy    |
| 29 | 21231048009 | Chakali Usha Rani     | Usha Rani      |
| 30 | 21231048010 | Cheruvu Rajasekhar    | Rajasekhar     |
| 31 | 21231048011 | Dandu Durgaprasad     | Durgaprasad    |
| 32 | 21231048012 | Dummu Suhasini        | D. Suhasini    |
| 33 | 21231048013 | Ediga Ramanjaneyulu   | Ramanjaneyulu  |
| 34 | 21231048014 | Gandam Bhavani        | Bhavani        |
| 35 | 21231048015 | Golla Venkateswarlu   | Venkateswarlu  |
| 36 | 21231048016 | Goria Vyshnavi        | Vyshnavi       |
| 37 | 21231048017 | Harijana Mahalakshmi  | H. Mahalakshmi |
| 38 | 21231048018 | Harijana Anjith Kumar | Anjith Kumar   |
| 39 | 21231048019 | Harijana Anji         | H. Anji        |
| 40 | 21231048020 | Harijana Radhika      | Radhika        |

28. 4/10/2023  
B. SHAMSHABEE, MA. B.Ed. SET  
Lecturer in Telugu  
Govt. Degree College  
PATTIKONDA, Kurnool Dist

# Attendance Sheet 2021-22 Certificate Course in Telugu typing

| S.No | Names of the Students  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
|------|------------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1    | Arekanti Anil Kumar    | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 2    | Arekanti Pavan Kalyan  | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 3    | Banavath Simhadri Naik | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 4    | Bestha Urakundappa     | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 5    | Bestha Ganesh          | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 6    | Bestha Sreenivasulu    | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 7    | Boya Pedda Lakshmana   | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 8    | Boya Sudhakar          | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 9    | Boya Manjunath         | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 10   | Chakali Janardhan      | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 11   | Chennikolla Ravi       | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 12   | Dera Upendra Reddy     | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 13   | Dokkolu Chendra        | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 14   | Ediga Jyothna          | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 15   | Gadla Prasad           | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 16   | Gajjela Surendrababu   | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 17   | Gangasani Ranganath    | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 18   | Golla Vamsi            | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |







# **GOVERNMENT DEGREE COLLEGE PATTIKONDA**

**DEPARTMENT OF TELUGU**

**CERTIFICATE COURSE 2021-2022**



**Government Degree College, Pattikonda,  
Kurnool (Dt).**

# **Department of English**

**A Certificate course in**

**Spoken English for the year-2021-22**



# Government Degree College, Pattikonda

2021-22 -Proposal for the Introduction of Certificate

Course in

## SPOKEN ENGLISH

Date: 02-12-2021

From  
Smt. S.Shabana

Head of Department  
Govt. Degree College  
Pattikonda, Kurnool (Dt).

To  
The Principal,  
Govt. Degree College, Pattikonda  
Kurnool (Dt).

Respected Sir,

The Department of English will hold a certificate course in *Spoken English*. The course is in response to the demand of departing students. Communication skills are now regularly communicated from the lowest to the highest levels of employment. Spoken English and grammar are beneficial to students. The Department of English is enthusiastic about starting the course, considering all of these factors. Details of the program will be provided.

1. Name of the proposed program : *A Certificate course in Spoken English*
2. Duration and timings of the program : *45 days*
3. Start date of the program : *17-12-2021 to 05-02-2022*
4. Course fee : *free*
5. No,of students expected for admission: *40*

Yours faithfully

*Shabana*  
Head of Department English

**DEPARTMENT OF ENGLISH**  
Govt. Degree College,  
PATTIKONDA, Kurnool (Dist).





# GOVERNMENT DEGREE COLLEGE, PATTIKONDA

## Department Of English Minutes of the Department Meeting For the Conduct Of Certificate Course in Spoken English

Date: 05-12-2021

The English department, a leader in meeting the scholars' needs, has decided to increase the number openings of council scholars. In this globalised world there's a significant need for the gregarious scholars with effective spoken English, alphabet, vocabulary and judgment construction skills. So the Department of English has taken the action to offer a Certificate generally habituated Spoken English Course in with the simple thing of giving graduating students the necessary practical English alphabet and speaking chops.

The Department of English met with its members on the College's property on 17/12/2021. The Department unanimously decided to set up the Certificate Course in Spoken English for degree seeking scholars at our College, with the speakers serving as course preceptors and the Department Head acting as president. The conference was presided over by department head S.Shabana. The Certificate Course would last 45 days as promised.(17-12-2021 to 05-02-2022)

1. Smt.S.Shabana , Head of the Department :

*Shabana*  
DEPARTMENT OF ENGLISH  
Govt. Degree College,  
PATTIKONDA, Kurnool (Dist).

*[Signature]*  
Principal

PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
Kurnool Dist A P



# **Government Degree College, Pattikonda.**

## **Department of English 21-22**

Date: 05-12-2021

### **Circular**

English Department is starting a certificate course in Spoken English for the duration of the course, which will last 45 days. There is no fee required for the course, and classes will commence on 17-12-2021. If you're interested in enrolling, please register your name with the department soon! After successfully completing the course, you'll receive a certificate.

Coordinator *[Signature]*

**DEPARTMENT OF ENGLISH**  
Govt. Degree College,  
PATTIKONDA, Kurnool (Dist).

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*[Signature]*  
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PATTIKONDA-518 380  
Kurnool Dist AP

Government Degree College, Pattikonda  
Kurnool-AP-518380

A

Certificate course in Spoken English  
2021-20222

Department of English

- Parts of Speech
- Articles
- Prepositions
- Tenses
- Voice
- Speech



*Shabana*  
DEPARTMENT OF ENGLISH  
Govt. Degree College,  
PATTIKONDA, Kurnool (Dist).

*[Signature]*  
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PATTIKONDA-518380  
Kurnool Dist AP



# Model Question Paper (2021-22)

## A Certificate Course in Spoken English

Time 01:30

Maximum Marks: 50

You should \_\_\_\_\_ your homework.\*

- ☐ make
- ☐ do
- ☐ work
- ☐ give

Can you tell me when \_\_\_\_\_ ?\*

- ☐ the train leaves
- ☐ does the train leave
- ☐ leaves the train
- ☐ does leave the train

I \_\_\_\_\_ a reply to my letter in the next few days.\*

- ☐ hope
- ☐ expect
- ☐ wait for
- ☐ get

By this time next year, I \_\_\_\_\_ all my exams.\*

- ☐ will have taken
- ☐ will take
- ☐ take
- ☐ have taken

\_\_\_\_\_ the better team, we lost the match.\*

- ☐ Despite of being

- ☐ Despite
- ☐ Despite being
- ☐ Although
- Would you mind \_\_\_\_\_ the window?\*
- ☐ closing
- ☐ close
- ☐ to close
- ☐ closed
- She has been \_\_\_\_\_ of murdering her husband.\*
- ☐ charged
- ☐ accused
- ☐ arrested
- ☐ blamed
- She \_\_\_\_\_ me to go to school.\*
- ☐ said
- ☐ told
- ☐ suggested
- ☐ made
- I come \_\_\_\_\_ England\*
- ☐ from
- ☐ at
- ☐ to
- ☐ beyond
- If only I \_\_\_\_\_ richer.\*
- ☐ am
- ☐ were

☐ would be

☐ will be

He's interested \_\_\_\_\_ learning Spanish.\*

☐ on

☐ to

☐ in

☐ for

You \_\_\_\_\_ the cleaning. I would have done it tonight.\*

☐ needn't have done

☐ couldn't have done

☐ can't have done

☐ wouldn't have done

You should \_\_\_\_\_ swimming.\*

☐ start up

☐ get off

☐ take up

☐ take off

I want to be a teacher when I \_\_\_\_\_.\*

☐ grow

☐ ago

☐ grow up

☐ am more years

He told me that he \_\_\_\_\_ in Spain the previous year.\*

☐ has been working

☐ had been working

☐ has worked



☐ had been worked

You \_\_\_\_\_ better see a doctor.\*

☐ did

☐ would

☐ should

☐ had

I'm fed up \_\_\_\_\_ this excersice.\*

☐ with doing

☐ to do

☐ to doing

☐ for doing

When Simon \_\_\_\_\_ back tonight, he'll cook dinner.\*

☐ comes

☐ will come

☐ come

☐ shall come

Tim \_\_\_\_\_ work tomorrow.\*

☐ isn't going

☐ isn't

☐ isn't going to

☐ isn't to

"I don't like coffee." " \_\_\_\_\_ do I."\*

☐ So

☐ Neither

☐ Either

☐ No

- How long \_\_\_\_\_ English? \*
- ☐ do you learn
- ☐ are you learning
- ☐ have you been learning
- ☐ you learn
- You aren't allowed to use your mobile so \_\_\_\_\_. \*
- ☐ it's no point to leave it on
- ☐ it's no point in leaving it on
- ☐ there's no point in leaving it on
- ☐ there's no point to leave it on
- "Have you visited London?" "\_\_\_\_\_." \*
- ☐ Not yet
- ☐ Ever
- ☐ Already
- ☐ Not
- "Where's the \_\_\_\_\_ post office, please?" \*
- ☐ most near
- ☐ near
- ☐ more near
- ☐ nearest
- The doctor gave me a \_\_\_\_\_ for some medicine yesterday. \*
- ☐ note
- ☐ receipt
- ☐ prescription
- ☐ recipe
- They have put speed bumps on the road to \_\_\_\_\_ accidents. \*

- avoid
- prohibit
- prevent
- forbid

We would never have had the accident if you \_\_\_\_\_ so fast.\*

- wouldn't been driving
- hadn't been driving
- had driven
- wouldn't drive

Is Jo \_\_\_\_\_ Chris?\*

- taller that
- taller
- as tall as
- more tall

I'd like \_\_\_\_\_ information, please.\*

- an
- some
- piece
- a piece

The best way to learn a language is \_\_\_\_\_ a little every day.\*

- speak
- in speaking
- to speaking
- by speaking

She looks \_\_\_\_\_ she's going to be sick.\*

- as if



as  
likes

if

It \_\_\_\_\_ my brother.\*

is ages that I didn't see

is ages since I saw

was ages that I haven't seen

was ages since I saw

I went to the shop \_\_\_\_\_ some chocolate.\*

for buying

for buy

to buy

buy

"Why are you so hungry?" "Oh, I \_\_\_\_\_ breakfast this morning."\*

hadn't

didn't

didn't have

haven't

\_\_\_\_\_ to school yesterday?\*

Do you walk

Did you walked

Did you walk

Have you walked

His office is on the second \_\_\_\_\_ of the building.\*

floor

level

ground

stage

The tree \_\_\_\_\_ by lightning.\*

was flashed

struck

was struck

flashed

There aren't \_\_\_\_\_ people here.\*

much

many

a lot

some

"Did you speak to Juliet?" "No, I've \_\_\_\_\_ seen her."\*

nearly

hardly

often

always

We arrived \_\_\_\_\_ England two days ago.\*

to

in

on

at



*Shabana*  
DEPARTMENT OF ENGLISH  
Govt. Degree College,  
PATTIKONDA, Kurnool (Dist).

*[Signature]*  
PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
Kurnool Dist A.P.

**Attendance Sheet 2021-22 A Certificate Course in Spoken English**

[illegible]



[illegible]

# List of Students Registered for Certificate Course 2021-22

## A Certificate Course in Spoken English

| S.No | Hall Ticket Number | Name of the Students       | Signature of the student |
|------|--------------------|----------------------------|--------------------------|
| 1    | 20110048001        | Yerukula C K Amaranath     | AmaranTh                 |
| 2    | 20110048003        | Boya Chandra Sekhar        | chandra sekhar           |
| 3    | 20110048004        | Yenumula Chandrasekhar     | chandsasekhar            |
| 4    | 20110048005        | Kondapalli Chiranjeevi     | Kondap                   |
| 5    | 20110048006        | Kuruva Dasu                | Divya Lakshmi            |
| 6    | 20110048007        | Harijana Divya Lakshmi     |                          |
| 7    | 20110048008        | Kotamaligi Jayasree        | Jayasree                 |
| 8    | 20110048009        | Arava Jyothi               | Jyothi                   |
| 9    | 20110048010        | Karli Karthik              | KarThik                  |
| 10   | 20110048011        | Nese Kavitha               | Kavitha                  |
| 11   | 20110048012        | Manukindi Lakshmidhevi     | Lakshmidhevi             |
| 12   | 20110048013        | Kummari Laluprasad         | Laluprasad               |
| 13   | 20110048014        | Shaik Mahaboob Basha       | mahaboob Basha           |
| 14   | 20110048015        | Boya Mahendra              | Mahendra                 |
| 15   | 20110048016        | Golla Malleswari           | malleswari               |
| 16   | 20110048017        | Uppara Mohan               | Mohan                    |
| 17   | 20110048018        | Puri Nagesh                | Nagesh                   |
| 18   | 20110048019        | Harijana Naresh            | Naresh                   |
| 19   | 20110048020        | Mulinti Naresh Naidu       | Naresh Naidu             |
| 20   | 20110048021        | Boya Padmavathi            | padmavathi               |
| 21   | 20110048022        | Golla Dasari Padmavathi    | padmavathi               |
| 22   | 20232048001        | Borra Anitha               | Anitha                   |
| 23   | 20232048002        | Kotamaligi Badhri Narayana | K-Badhri Narayana        |
| 24   | 20232048003        | Madasala Bajarappa         | Bajarappa                |
| 25   | 20232048004        | Yenumula Chiranjeevi       | chiranjeevi              |

|    |             |                      |               |
|----|-------------|----------------------|---------------|
| 26 | 20232048005 | Telugu Eranna        | Eranna        |
| 27 | 20232048006 | Gilla Ganesh Naidu   | Ganesh        |
| 28 | 20232048007 | Maggamula Hanumanthu | M. Hanumanthu |
| 29 | 20232048008 | Mandula Hari         | M. Hari       |
| 30 | 20232048009 | Kathi Jyothi         | S. Khaleel    |
| 31 | 20232048010 | Shake Khaleel        | S. Khaleel    |
| 32 | 20232048011 | Chevula Kowlutla     | Kowlutla      |
| 33 | 20232048013 | Boya Mallikarjuna    | Mallikarjuna  |
| 34 | 20232048015 | Chakali Narasimhudu  | Narasimhudu   |
| 35 | 20232048016 | Chukkala Narendra    | Narendra      |
| 36 | 20232048017 | Pedasani Radhika     | Radhika       |
| 37 | 20232048018 | Shaik Rafi           | Rafi          |
| 38 | 20232048019 | Teejela Raghu        | Raghu         |
| 39 | 20232048020 | Kothi Ramesh         | Ramesh        |
| 40 | 20232048021 | Masipogu Satish      | Satish        |

  
 PRINCIPAL  
 GOVT DEGREE COLLEGE  
 PATTIKONDA-518501  
 Kurupot Dist. A.P.



# Government Degree College, Pattikonda

## Department of English

### Final Report of Certificate Course in commonly used English words with Telugu meaning

Spoken English Programme was developed by English department with the help of the Principal for college students. By offering the 40-day Certificate course in communication skills, the English Department has made a humble beginning in its efforts to teach and improve students' practical knowledge of accounting software. The main objective of the course, as decided earlier, was to impart English language skills to the departing students. The requirements of final year students are taken into account when creating the basic framework of the course. The above mentioned course started on 17.12.2021 and ended on 05.02.2022. The feedback from the students was very positive. The seminar hall was full of students waiting for their first presentation.

The Principal, spoke to the students and knowledgeable them of the importance of generation in both the social and enterprise spheres. He additionally praised the paintings of the department of English and complimented Smt.S.Shabana HOD, who served as the route's architect. The periods were attractive, academic, and fascinating. The scholars were able to recognize a way to study and understand English with the usage of arms-on sports, movies,handouts,seminars,quizzes, recommended books, andattractive physicalgames.The pupil s' confidence degree becomes raised through brainstorming classes, discussions, organization sporting activities, and impromptu displays. The complete direction took place; the course ran its complete direction of forty five days and additionally took informal inputs from the scholars for making the direction higher next time. Upon the successful completion of the aforementioned Certificate programme, a farewell celebration was organized on the last day of the programme. The event was graced by the college's principal. B. Paul Raj, the HOD, presided over the meeting. The idea for a vote of gratitude came from other members.

*Shabana*  
DEPARTMENT OF ENGLISH  
Govt. Degree College,  
PATTIKONDA, Kurnool (Dist).



*B. Paul Raj*  
PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
Kurnool Dist A P



**Government Degree College, Pattikonda**

**Pattikonda, Kurnool-518380, A.P.**

Affiliated to Rayalaseema University (R2U), Kurnool.  
Re-Accredited By NAAC with 'B' Grade

## Department of English

### Certificate of Participant

This is to certify that Mr./Miss./Mrs. \_\_\_\_\_ studying \_\_\_\_\_ success

fully completed 'A Certificate Course in Spoken English' Organized by Department of English, Government Degree College,

Pattikonda, Kurnool (Dt) held from 17-12-2021 to 05-02-2022.

*Shabane*  
Coordinator

**DEPARTMENT OF ENGLISH**  
Govt. Degree College,  
PATTIKONDA, Kurnool (Dt)



*[Signature]*  
Principal

**PRINCIPAL**  
GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
Kurnool Dist. A.P.



GOVERNMENT DEGREE COLLEGE, PATTIKONDA  
Reaccredited with NAAC B Grade

**Department of Zoology**



Certificates Courses in Poultry -Broiler Management  
From 2018-19 to 2022-2023



*Pr*  
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GOVT DEGREE COLLEGE  
PATTIKONDA-516 306  
Kurnool Dist. A.P.



# GOVERNMENT DEGREE COLLEGE, PATTIKONDA

## Department of Zoology 2020-2021

### Minutes of the Department meeting for the conduct of Certificate Course in Poultry Broiler Management

Date: 12-01-2021

The Department of Zoology, a leader in catering student needs, has made the decision to widen opportunities for individuals graduating from our College. There is a considerable need for new graduates for providing self-employment to rural background students. These courses also provide employment to the local individuals and daily livelihood. With the straightforward objective of equipping graduating students with the requisite practical abilities, the Department of Zoology has taken the initiative to provide a Certificate Course in Poultry Broiler Management.

On 12-01-2021, the Department of Zoology held a meeting with its members on the College's premises. The meeting was led by the department members and the Department unanimously decided to organize the Certificate Course in Poultry Broiler Management for degree-seeking students at our College, with the lecturers serving as the course instructors and the Department Head serving as chairman. As promised, the Certificate Course would span 45 days which would be very useful to students.

P. Ramanjaneyulu  
DEPARTMENT OF ZOOLOGY  
Sri P. Ramanjaneyulu  
Govt. Degree College,  
PATTIKONDA, Kurnool  
Contract Faculty

**GOVERNMENT DEGREE COLLEGE, PATTIKONDA**  
**Reaccredited with NAAC B Grade**

2021-2022 Proposals for the Introduction of Certificate

Course in

**Poultry Broiler Management**

Date: 08-12-2021

From  
P.Ramanjaneyulu,  
Lecturer in Zoology,  
Govt. Degree College,  
Pattikonda, Kurnool (Dt).

To  
The Principal,  
Govt. Degree College, Pattikonda  
Kurnool (Dt).

Respected Sir,

I would like to suggest that the department of Zoology is going to organize a certificate Course in **Poultry Broiler Management** basing on the demands of departing students who are now more regularly communicated to the Department of Zoology from the lowest to the highest levels of employment, this course has become fruitful to students. The Department of Zoology is excited to start the course taking into account all of these factors. This course is also very useful for the students for their self-employment.

The details or the program are

- |                                           |                                                      |
|-------------------------------------------|------------------------------------------------------|
| 1. Name of the proposed program           | : A Certificate course in Poultry Broiler Management |
| 2. Duration and timings of the program    | : 45 days                                            |
| 3. Start date of the program              | : 13-12-2021                                         |
| 4. Course fee                             | : free                                               |
| 5. No. of students expected for admission | : 30                                                 |

  
PRINCIPAL  
Govt. Degree College  
PATTIKONDA, Kurnool Dist



Yours faithfully

  
In charge of the Department  
Lecturer in Zoology,  
Govt. Degree College,  
PATTIKONDA-518 380, Kurnool Dist.

# Government Degree College, Pattikonda.

## Department of Zoology 2020-2021

Date: 15-01-2021

### Circular

Zoology Department is starting a certificate course in Broiler Management for final year Students, the duration of the courses, which will last 45 days. There is no fee required for the course, and classes will commence on 19-01-2021. If you're interested in enrolling, please register your name at the department soon! After successfully completing the course, you'll receive a certificate.

*G. Andiradevi*  
Coordinator ZOOLOGY  
Govt. Degree College,  
PATTIKONDA, Kurnool

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GOVERNMENT DEGREE COLLEGE, PATTIKONDA, KURNOOL DISTRICT

Department of Zoology

Certificate course in poultry – Broilers Management

2021--2022

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**SYLLABUS**

**UNIT - I**

- 1.1 Introduction, types of poultry breeds, native, exotic breeds current scenario
- 1.2 Advantages and disadvantages of farming
- 1.3 Broilers housing, equipment and management

**UNIT - II**

- 2.1 Nutrition and feeding
- 2.2 Diseases control and management
- 2.3 Vaccination schedule for Broilers
- 2.4 Marketing strategy, income and expenditure of Broilers

Government Degree College Pattikonda Kurnool (Dist)

Department Of Zoology

Certificate Course in Poultry-Broiler Management

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**MODEL PAPER**

Time: 2Hrs

Max.marks: 50

**PART-A**

**I Answer any Two of the following:**

**Draw the diagram wherever necessary**

1. Write an account on Bacterial management of broiler
2. Write about the Bacterial of Broilers
3. Explain different types of Farm house
4. Write about the Viral diseases on Broilers

**PART-B**

**II Answer any FOUR of the following:**

**Draw the diagram wherever necessary**

5. Explain advantages and disadvantages of Poultry farming
6. Explain the present of Poultry in India
7. Describe the methods of Broiler feeding
8. Write Vaccination Schedule for Broilers
9. Explain any two types of feeders
10. Give an account on economic importance of Broilers



2021-2022 13.12.2021 to 20.12.2022

## REGISTER OF ATTENDANCE &amp; FEES



Name of the Institute

G D C Pattikonda

| Sl. No.   | Adm. No. | NAMES              | Date     |          |          |          |          |          |          |          |          |          |          |          | No. of days present | FEE |
|-----------|----------|--------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------------------|-----|
|           |          |                    | 13/12/21 | 14/12/21 | 15/12/21 | 16/12/21 | 17/12/21 | 18/12/21 | 19/12/21 | 20/12/21 | 21/12/21 | 22/12/21 | 23/12/21 | 24/12/21 |                     |     |
| 1955-2004 |          |                    |          |          |          |          |          |          |          |          |          |          |          |          |                     |     |
| 1         | 8001     | S. Tahera Banu     | /        | /        | /        | /        | /        | /        | /        | /        | /        | /        | /        | 36       |                     |     |
| 2         | 8002     | A. Natasimha Naidu | /        | /        | /        | /        | /        | /        | /        | /        | /        | /        | /        | 36       |                     |     |
| 3         | 8003     | D. Srikanth        | /        | /        | /        | /        | /        | /        | /        | /        | /        | /        | /        | 36       |                     |     |
| 4         | 8004     | B.K. Manjunath     | /        | /        | /        | /        | /        | /        | /        | /        | /        | /        | /        | 36       |                     |     |
| 5         | 8005     | B. pkravika        | /        | /        | /        | /        | /        | /        | /        | /        | /        | /        | /        | 36       |                     |     |
| 6         | 8006     | B. Ganganpa        | /        | /        | /        | /        | /        | /        | /        | /        | /        | /        | /        | 36       |                     |     |
| 7         | 8007     | B. Rakesh          | /        | /        | /        | /        | /        | /        | /        | /        | /        | /        | /        | 36       |                     |     |
| 8         | 8008     | B.M. Rangaswamy    | /        | /        | /        | /        | /        | /        | /        | /        | /        | /        | /        | 36       |                     |     |
| 9         | 8009     | B. Ramesh          | /        | /        | /        | /        | /        | /        | /        | /        | /        | /        | /        | 36       |                     |     |
| 10        | 8010     | B. Ranganna        | /        | /        | /        | /        | /        | /        | /        | /        | /        | /        | /        | 36       |                     |     |
| 11        | 8011     | B. Vinod Kumar     | /        | /        | /        | /        | /        | /        | /        | /        | /        | /        | /        | 36       |                     |     |
| 12        | 8012     | C. Maniswamy       | /        | /        | /        | /        | /        | /        | /        | /        | /        | /        | /        | 36       |                     |     |
| 13        | 8013     | D. Janaki          | /        | /        | /        | /        | /        | /        | /        | /        | /        | /        | /        | 36       |                     |     |
| 14        | 8014     | D. Siva Kumar      | /        | /        | /        | /        | /        | /        | /        | /        | /        | /        | /        | 36       |                     |     |
| 15        | 8015     | G. Hari Krishna    | /        | /        | /        | /        | /        | /        | /        | /        | /        | /        | /        | 36       |                     |     |
| 16        | 8016     | G. Raviteja        | /        | /        | /        | /        | /        | /        | /        | /        | /        | /        | /        | 36       |                     |     |
| 17        | 8017     | G. Hari            | /        | /        | /        | /        | /        | /        | /        | /        | /        | /        | /        | 36       |                     |     |
| 18        | 8018     | G. Ramadu          | /        | /        | /        | /        | /        | /        | /        | /        | /        | /        | /        | 36       |                     |     |
| 19        | 8019     | G.V. Chinna        | /        | /        | /        | /        | /        | /        | /        | /        | /        | /        | /        | 36       |                     |     |
| 20        | 8020     | G. Rajasekhar      | /        | /        | /        | /        | /        | /        | /        | /        | /        | /        | /        | 36       |                     |     |
| 21        | 8021     | G. Mallika         | /        | /        | /        | /        | /        | /        | /        | /        | /        | /        | /        | 36       |                     |     |
| 22        | 8022     | G. Chandra Sekhar  | /        | /        | /        | /        | /        | /        | /        | /        | /        | /        | /        | 36       |                     |     |
| 23        | 8023     | G. Hari Krishna    | /        | /        | /        | /        | /        | /        | /        | /        | /        | /        | /        | 36       |                     |     |
| 24        | 8024     | K. Vimala          | /        | /        | /        | /        | /        | /        | /        | /        | /        | /        | /        | 36       |                     |     |
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EPRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518380  
Kurnool Dist. APCertificate Course in Poultry Poultry Management  
FOR THE MONTH OF 2021 2022

Section

III. B.Z.C

Place

| Place                                                                                 |          |                    |          |          |          |          |          |          |          |          |          |        |        | FEE                 |    |
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| Sl. No.                                                                               | Adm. No. | NAMES              | 23/12/21 | 24/12/21 | 25/12/21 | 26/12/21 | 27/12/21 | 28/12/21 | 29/12/21 | 30/12/21 | 31/12/21 | 1/1/22 | 2/1/22 | No. of days present |    |
| 1                                                                                     | 8001     | S. Tahera Banu     | /        | /        | /        | /        | /        | /        | /        | /        | /        | /      | /      | 36                  |    |
| 2                                                                                     | 8002     | A. Natasimha Naidu | /        | /        | /        | /        | /        | /        | /        | /        | /        | /      | /      | 36                  |    |
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| 4                                                                                     | 8004     | B.K. Manjunath     | /        | /        | /        | /        | /        | /        | /        | /        | /        | /      | /      | 36                  |    |
| 5                                                                                     | 8005     | B. pkravika        | /        | /        | /        | /        | /        | /        | /        | /        | /        | /      | /      | 36                  |    |
| 6                                                                                     | 8006     | B. Ganganna        | /        | /        | /        | /        | /        | /        | /        | /        | /        | /      | /      | 36                  |    |
| 7                                                                                     | 8007     | B. Rakesh          | /        | /        | /        | /        | /        | /        | /        | /        | /        | /      | /      | 36                  |    |
| 8                                                                                     | 8008     | B.M. Rangaswamy    | /        | /        | /        | /        | /        | /        | /        | /        | /        | /      | /      | 36                  |    |
| 9                                                                                     | 8009     | B. Ramesh          | /        | /        | /        | /        | /        | /        | /        | /        | /        | /      | /      | 36                  |    |
| 10                                                                                    | 8010     | B. Ranganna        | /        | /        | /        | /        | /        | /        | /        | /        | /        | /      | /      | 36                  |    |
| 11                                                                                    | 8011     | B. Vinod Kumar     | /        | /        | /        | /        | /        | /        | /        | /        | /        | /      | /      | 36                  |    |
| 12                                                                                    | 8012     | C. Maniswamy       | /        | /        | /        | /        | /        | /        | /        | /        | /        | /      | /      | 36                  |    |
| 13                                                                                    | 8013     | D. Janaki          | /        | /        | /        | /        | /        | /        | /        | /        | /        | /      | /      | 36                  |    |
| 14                                                                                    | 8014     | D. Siva Kumar      | /        | /        | /        | /        | /        | /        | /        | /        | /        | /      | /      | 36                  |    |
| 15                                                                                    | 8015     | G. Hari Krishna    | /        | /        | /        | /        | /        | /        | /        | /        | /        | /      | /      | 36                  |    |
| 16                                                                                    | 8016     | G. Raviteja        | /        | /        | /        | /        | /        | /        | /        | /        | /        | /      | /      | 36                  |    |
| 17                                                                                    | 8017     | G. Hari            | /        | /        | /        | /        | /        | /        | /        | /        | /        | /      | /      | 36                  |    |
| 18                                                                                    | 8018     | G. Ramadu          | /        | /        | /        | /        | /        | /        | /        | /        | /        | /      | /      | 36                  |    |
| 19                                                                                    | 8019     | G.V. Chinna        | /        | /        | /        | /        | /        | /        | /        | /        | /        | /      | /      | 36                  |    |
| 20                                                                                    | 8020     | G. Rajasekhara     | /        | /        | /        | /        | /        | /        | /        | /        | /        | /      | /      | 36                  |    |
| 21                                                                                    | 8021     | G. Mallika         | /        | /        | /        | /        | /        | /        | /        | /        | /        | /      | /      | 36                  |    |
| 22                                                                                    | 8022     | G. Chandra Sekhar  | /        | /        | /        | /        | /        | /        | /        | /        | /        | /      | /      | 36                  |    |
| 23                                                                                    | 8023     | G. Hari Krishna    | /        | /        | /        | /        | /        | /        | /        | /        | /        | /      | /      | 36                  |    |
| 24                                                                                    | 8024     | K. Vimala          | /        | /        | /        | /        | /        | /        | /        | /        | /        | /      | /      | 36                  |    |
| 25                                                                                    | 8025     | K. Ramanaidu       | /        | /        | /        | /        | /        | /        | /        | /        | /        | /      | /      | 36                  |    |
|  |          |                    |          |          |          |          |          |          |          |          |          |        |        |                     |    |
| Lecturer in Zoology,<br>Govt. Degree College,<br>PATTIKONDA-518 350, Kurnool Dt.      |          |                    |          |          |          |          |          |          |          |          |          |        |        |                     |    |

Signature of Lecturer  
Lecturer in Zoology  
Govt. Degree College,  
PATTIKONDA-518380, Kurnool Dist.



**Government Degree College, Pattikonda**  
**Department Of Zoology**  
**Final Report of Certificate Course 21-22**  
In  
***Poultry Broiler Management***

Poultry Broiler Management Programme was developed & designed by department of zoology with the help of the Principal for III B.Z.C students. By offering the 45-days Certificate course in Poultry Broiler Management has made a humble beginning in its efforts to teach and improve students' practical knowledge for livelihood. The main objective of the course, as decided earlier, was to impart commercial strategy and to create awareness from rural area students. The requirements of final year students are taken into account when creating the basic framework of the course. The feedback from the students was very positive.

The I.Q.A.C. Coordinator, Head of the department of Zoology and course coordinator Dr.Md.Osman Ahmed quoted that Poultry farming is one of the fastest-growing sectors in Indian agriculture and provides a significant source of protein for the country's meat-eating population. Andhra Pradesh accounts for production of 3.5 crore live birds every month, which is one-third of the country's production, apart from six crore eggs a day. In revenue terms, poultry's contribution to the State's annual GDP is estimated at Rs. 20,000 crore with employment to close to 20 lakh people.

The Principal, spoke to the students about the self-employment skills and knowledgeable them of the importance of rich protein values and low cholesterol, as the population is enormously increasing day by day the government also insist animal husbandry and poultry farming in the rural areas. The government also provided financial subsidy to the poultry farmers.

Upon the successful completion of the aforementioned Certificate programme, a farewell celebration was organized on the last day of the programme. The event was graced by the college principal. The programme was concluded by vote of thanks.

  
Coordinator  
Lecturer in Zoology

Govt. Degree College,  
PATTIKONDA-518 500, KURNOOL Dt.

  
Principal

PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
KURNOOL DIST. - A.P.



# Government Degree College

(Accredited By Naac With 'B' Grade)

Pattikonda, Kurnool (Dt), A.P. 518380.



| Academic Year 2022-23 |                                               |                                      |                    |                                         |
|-----------------------|-----------------------------------------------|--------------------------------------|--------------------|-----------------------------------------|
| S.No                  | Name of Add on / Certificate Programs offered | Name of the Department               | Duration of Course | Number of Students enrolled in the year |
| 1.                    | Mushroom Cultivation                          | Department of Botany                 | 45                 | 25                                      |
| 2.                    | Income Tax Consultancy                        | Department of Commerce               | 47                 | 45                                      |
| 3.                    | Arithmetic Fundamentals                       | Department of Mathematics            | 45                 | 25                                      |
| 4.                    | Cosmetics                                     | Department of Chemistry              | 40                 | 30                                      |
| 5.                    | Aquaculture Diagnostic tools                  | Department of Aquaculture Technology | 40                 | 25                                      |
| 6.                    | Python Programming                            | Department of Computer Science       | 38                 | 40                                      |
| 7.                    | Project Design & Report Writing               | Department of Economics              | 45                 | 20                                      |
| 8.                    | Soft Skills-Stress Management                 | Department of English                | 35                 | 40                                      |
| 9.                    | Tourism & Hospitality Services                | Department of History                | 30                 | 20                                      |
| 10.                   | Poultry Broiler Management                    | Department of Zoology                | 45                 | 32                                      |
| 11.                   | Fan Winding                                   | Department of Physics                | 30                 | 20                                      |
| 12.                   | Western Political Thought                     | Department of Political Science      | 45                 | 20                                      |
| 13.                   | Telugu Vyakaranam                             | Department of Telugu                 | 30                 | 35                                      |



**Dr. R. MADHURI**, M.Sc., M.Phil., Ph.D.,  
PRINCIPAL  
Government Degree College  
PATTIKONDA., Kurnool Dist.



# **Government Degree College, Pattikonda, Kurnool dist.**



## **Department of Botany Certificate Course on Mushroom Cultivation 2022-2023**

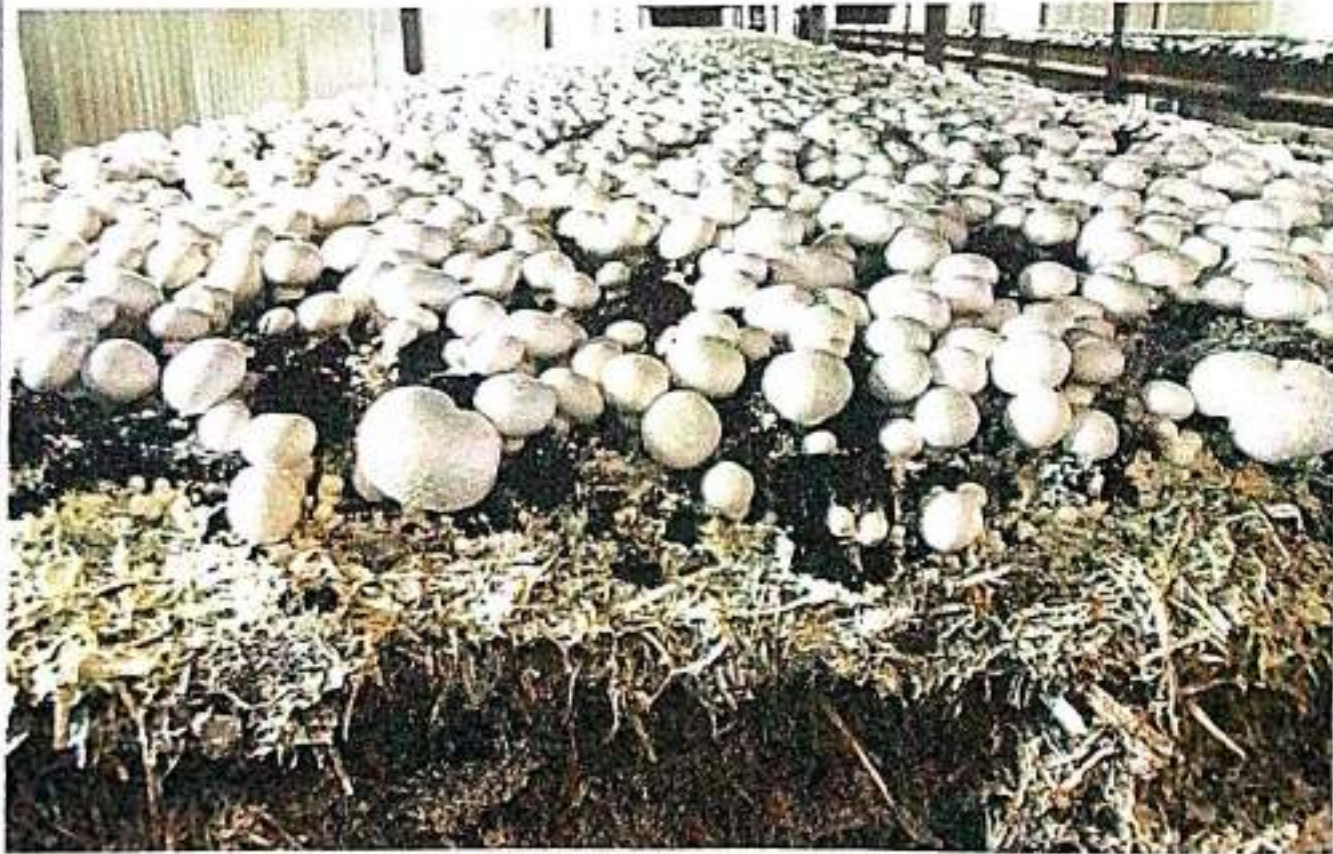


**Dr.K.V.Subbaiahiah&Sri.S.Somasekhar**  
**Lecturers in Botany**  
**Course Co-ordinators**  
**Govt. Degree College**  
**Pattikonda.**



**2022-2023**

- 1. Name of the institution : Govt. Degree College, Pattikonda.**
- 2. Title of the course : Vegetable Plant Nursery Management**
- 3. Co-ordinator/s : Dr.K.V.Subbaiah&Sri.S.SomaSekhar**  
**Department of Botany**
- 4. Duration /Tenure : 45 Days**



**GOVERNMENT DEGREE COLLEGE, PATTIKONDA**  
**PROPOSAL FOR THE INTRODUCTION OF CERTIFICATE COURSE ON**  
**"MUSHROOM CULTIVATION"**

DATE: 12/11/2022

From  
Dr.K.V.Subbaiah  
Lecturer in Botany  
& Head of the Department  
Govt. Degree College  
Pattikonda, Kurnool Dist.

To  
The Principal,  
Govt. Degree College, Pattikonda  
Kurnool Dist.

Respected Madam,

I would like to inform you that our college Botany department like to organize a certificate course on "Mushroom Cultivation". This course is a now a days having a little bit demand and for employment and also facilitates self-employment to the outgoing B.Sc.; BZC students of our college. The Department of Botany is excited to start the course taking into account of all of these factors with your support and encouragement. This is for your kind information and approbation.


Thanking you madam.

The details of the program are

- |                                           |                                       |
|-------------------------------------------|---------------------------------------|
| 1. Name of the proposed program           | : Mushroom Cultivation                |
| 2. Course co-ordinators                   | : Dr.K.V.Subbaiah & Sri.S.Soma Sekhar |
| 3. Duration and timings of the program    | : 45days; daily 4-5 PM                |
| 4. Start date of the program              | : 20 <sup>th</sup> November 2022      |
| 5. Course fee                             | : 100/-                               |
| 6. No. of students expected for admission | : 25                                  |



Yours faithfully

  
(DR. K. V. SUBBAIAH)  
HEAD

Department of Botany,  
Government Degree College  
Pattikonda-518 380, Kurnool Dist



GOVERNMENT DEGREE COLLEGE, PATTIKONDA

Department Of BOTANY

Minutes of the Department meeting for the conduct of  
Certificate Course in Mushroom Cultivation

Date: 14/11/2022

The Department of Botany, a leader in catering to student needs, has made the decision to widen opportunities for individuals graduating from our College. There is a considerable need for new graduates with advanced skills due to the expanding job market, which has been particularly visible in the globalized sector. With the straightforward objective of equipping graduating students with the requisite practical skilled abilities, the Department of Botany has taken the initiative to provide a Certificate Course in Mushroom Cultivation. On 14-11-2022 The Department of Botany Convened a meeting with its members and the conference was led by the department head DR. K. V. SUBBATH, and attended by SRI. S. SOMA SEKHAR, and                      lecturers in Botany. The Department unanimously decided to organize the Certificate Course in Mushroom Cultivation for degree-seeking students at our College, with the lecturers serving as the course instructors and the Department Head serving as chairman. As promised, the Certificate Course would be span of 45 days.

1. Sr/Dr K. V. SUBBATH, Head of the Department :

2. Sri/Dr S. SOMA SEKHAR, Lecturer in Botany :



                      
HEAD  
Department of Botany,  
Govt Degree College  
Pattikonda-518 380 Kurnool Dist

                      
Principal  
GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
Kurnool Dist A.P





# Government Degree College

(Accredited By Naac With 'B' Grade)  
Pattikonda, Kurnool (Dt), A.P. 518380.



GOVERNMENT DEGREE COLLEGE, PATTIKONDA.

DEPARTMENT OF BOTANY

## Circular

Date: 15/11/2022

All the B.Sc; BZC final year degree students are hereby informed that the Department of Botany is going to start a certificate course in Mushroom Cultivation. The duration of the course is 45 days. Students need not pay any fee for the course. The classes will commence from 20/11/2022 and Interested students are required to register their names in the Botany Department. After successful completion of the course certificate will be provided to the students.

Head of the Department

**HEAD**

Department of Botany,  
Government Degree College  
Pattikonda-518 380, Kurnool Dt.

1.

2.

Coordinator/s

**LECTURERS**

DEPARTMENT OF BOTANY  
GOVT. DEGREE COLLEGE  
PATTIKONDA-518 380, Kurnool Dt.



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## CERTIFICATE COURSE

On

## MUSHROOM CULTIVATION

### INTRODUCTION

It is well known that the 20th century was an explosive time for the accumulation of knowledge. Modern technology for human civilization is expanding every day. However, man is still facing three basic problems: shortage of food, pollution of the environment, and low quality of human health, due to the continued increase of the world population. The 20th century began with 1.6 billion people and ended with 6 billion inhabitants. The growing world population is increasing by about 80 million people per year. Inadequate regional food supplies, low quality of health, and increasing environmental deterioration are three key underlying problems affecting the future well-being of humankind. The magnitude of these problems is set to increase as the world's population continues to grow. There are other ways to subsidise the food problem and to increase the food productivity. One of the ways to enhance the food production or cope the food problem is mushroom culture.

Mushrooms are the fruiting bodies of macro fungi. They include both edible/medicinal and poisonous species. However, the word "mushroom" was used for the edible members of macrofungi and "toadstools" for poisonous ones. Scientifically the term "toadstool" has no meaning at all. It has been proposed in order to avoid confusion between terms edible, medicinal and poisonous mushrooms. Edible mushrooms once called the "food of the gods" and still treated as a garnish or delicacy can be taken regularly as part of the human diet or be treated as healthy food or as functional food. The extractable products from medicinal mushrooms, designed to supplement the human diet not as regular food, but as the enhancement of health and fitness. These are being classified into the category of dietary supplements/mushroom nutraceuticals.

Mushrooms are very nutritious products that can be generated from lingo-cellulosic waste materials; and are rich in crude fiber and protein. In fact, mushrooms also contain low fat, low calories and good vitamins. In addition, many mushrooms possess multi-functional medicinal properties.



LECTURER

DEPARTMENT OF BOTANY  
GOVT. DEGREE COLLEGE  
PATTIKONDA-518 380, Kurnool Dt.



HEAD  
Department of Botany,  
Government Degree College  
Pattikonda-518 380, Kurnool Dist



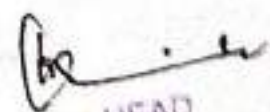
The spent substrate left after harvesting the mushrooms, which is entangled with innumerable mushroom threads (collectively referred to as mycelia) will have been biochemically modified by the mushroom enzymes into a simpler and more readily digestible form, which is thus more palatable to livestock, when used as a livestock feed supplement. Additionally, it will significantly have been enriched with protein, by virtue of the remains of the protein-rich mycelia, left after harvesting the mushroom fruiting bodies. The residue could also be utilized as organic garden mulch, which is good for the soil.

Mushroom cultivation has great scope in China, India and in some of the other developing countries. Because, the cheap and easily available raw materials needed for this activity, coupled with faster means of communication and marketing (as a fresh commodity), and better purchasing power of the people. Since the cultivation of mushrooms deals with living organisms, one should consider, the mushroom itself, and of the various micro-organisms growing with it (including both the harmful and beneficial ones), but also the physical and biochemical natures of the substrates. Therefore, the cultivation methods must be tailored in accordance with the prevailing unique natural resources, heritage, local climate, and socio-economic conditions of each farming community. All these considerations call for a critical mass of well trained mushroom scientists and mushroom growers.

The key objectives will be, firstly, to develop *Pleurotus* (oyster) mushrooms as additional, highly nutritious vegetable crop. We should start with this because is easy to grow and they are also high in protein apart from medicinal qualities. A comprehensive training programme for both researchers and mushroom growers will need to be formulated. The identified team of researchers will be brought together for an intensive training course, which will equip them with more skills on how to train others, and also help them on how to succeed in this promising venture. Mushroom farming is both a science and an art. The science, in its broad form, will come through training workshops/courses. The art will come through practical involvement and experience, and will have to be modified in accordance with the prevailing conditions on site. The potential of mushroom farming in generating new employment opportunities is another positive element emanating from mushroom farming ventures, which can be labour intensive.

This programme will aim at providing initial skills for cottage level mushroom production. Later, large scale development can be expected to lead to the establishment of commercial mushroom farms, and international marketing ventures. Due to advances in both basic knowledge and practical technology relevant to mushroom farming (mushroom themselves),

  
LECTURER  
DEPARTMENT OF BIOLOGY  
DEGREE COLLEGE  
DA-518 380, Kurnool Dt.

  
HEAD  
Department of Botany  
Government Degree College  
Pattadakur, Kurnool Dt.



mushroom products (mushroom derivatives) and mushroom bioremediation (mushroom mycelia), these principles can be applied globally. Thus the training activities (workshops and courses) need to be supported by Governments for providing self employment and development of entrepreneurship especially to the rural and downtrodden people.

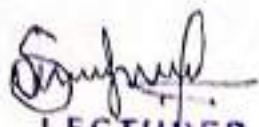
### Opportunities

- Imparting training to farmers and entrepreneurs for income as well as employment generation.
- Sale of mushroom as well as spawn and technical consultancy.

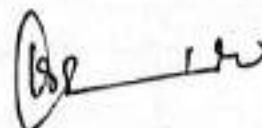
### Objectives

- To conduct the certificate course on Mushroom cultivation
- To conduct maximum number of training programmes on mushroom cultivation technologies.
- To standardize the curriculum for Mushroom cultivation for present day needs in the society
- To establish a demonstration and resource centre.
- To organize workshops at the time of fruiting in demonstration beds to increase awareness in society towards benefits of mushroom consumption.
- To provide the Hands-on training for the propagation of bed, cultivation, maintenance of the pest, controlling the diseases, harvesting, packing and its commercialization.
- To Produce the commercial spawn of Oyster mushroom
- To conduct awareness among the rural people especially economically backward farmers or rural unemployment youth.
- To enhance technical skills among the trainees for producing high yield and quality.

The main aim of the Course is to impart the knowledge on Mushrooms and its nutritional values. The course also provide hands on training in different stages of Mushroom Culture and gain practical experience in spawn production required for Mushroom culture. At the end of the Certificate Course, Participants will get substantial experience on Mushroom Culture Business and they will be in a position to start-up a self enterprise in Mushroom Cultivation. Hence, based on the above objectives the curriculum of the Course has been designed with the following contents.



**LECTURER**  
**DEPARTMENT OF BOTANY**  
**GOVT. DEGREE COLLEGE**  
**PATILKONDA-518 380, Kurnool Dt.**



**HEAD**  
**Department of Botany,**  
**Government Degree College**  
**Pattikonda-518 380, Kurnool Dist**

# List of students Registered for Certificate Course 2022-23

## Department of Botany

| S.No | Reg. Nos.   | Name of the Students | Signature        |
|------|-------------|----------------------|------------------|
| 1    | 20358048017 | A.Nandini            | A. Nandini       |
| 2    | 8013        | B.Malleswari         | B. Malleswari    |
| 3    | 8040        | D.Vannur bee         | D. Vannurbee     |
| 4    | 8029        | D.ShobaPriya         | D. Shoba Priya   |
| 5    | 8032        | C.Srikanth           | C. Srikanth      |
| 6    | 8010        | J.Kasinadh           | J. Kasinadh      |
| 7    | 8003        | G.ChandraSekhar      | G. Chandrasekhar |
| 8    | 8006        | R.HariSai Ram        | R. Harisai Ram   |
| 9    | 8030        | G.Siva Kumar         | G. Sivakumar     |
| 10   | 8007        | G.HimaBindu          | G. Himabindu     |
| 11   | 8039        | Vaidehi . K .        | Vaidehi . K .    |
| 12   | 8037        | A.UmaMaheswari       | A. Umamaheswari  |
| 13   | 8041        | A.Varalakshmi        | A. Varalakshmi   |
| 14   | 8008        | G.Hemanjali          | G. Hemanjali     |
| 15   | 8025        | T.Rajeswari          | T. Rajeswari     |
| 16   | 8019        | P.NawazKhatun        | P. Nawazkhatun   |
| 17   | 8038        | Umesh Chandra . G .  | Umesh Chandra    |
| 18   | 8036        | UdayKiran . K .      | Uday Kiran K     |
| 19   | 8018        | M.Narasimhulu        | M. Narasimhulu   |
| 20   | 8016        | K.Nagendra           | K. Nagendra      |
| 21   | 8034        | M.Suvarna            | M. Suvarna       |
| 22   | 8009        | E.Janaki             | E. Janaki        |
| 23   | 8004        | K.Chinna Rayudu      | K. Chinna Rayudu |
| 24   | 8026        | V.Rajeswari          | V. Rajeswari     |
| 25   | 8001        | N.Ankitha            | N. Ankitha       |



*[Signature]*  
LECTURER

HEAD

DEPARTMENT OF BOTANY

Department of Botany, G.V.T. DEGREE COLLEGE

Government Degree College, PATTIKONDA-518 380, Kurnool

Pattikonda, Kurnool Dist



# REGISTER OF ATTENDANCE & FEES

Name of the Institute: GDC, Patti, Kundal

2020-2021

| Sl. No. | Names             | FOR THE MONTH OF |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    | Total | Fees |
|---------|-------------------|------------------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|-------|------|
|         |                   | 1                | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |       |      |
| 1       | A. Pandini        | X                |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |       |      |
| 2       | B. Malleshwari    | X                |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |       |      |
| 3       | D. Vanamurthy     | X                |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |       |      |
| 4       | D. Shobha Priya   | X                |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |       |      |
| 5       | C. Srikanth       | X                |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |       |      |
| 6       | J. Kaniyavelu     | X                |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |       |      |
| 7       | G. Chandan Sekhar | X                |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |       |      |
| 8       | G. Harisai Ravi   | X                |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |       |      |
| 9       | G. Siva Kumar     | X                |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |       |      |
| 10      | G. Hima Bindu     | X                |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |       |      |
| 11      | Vaidethi          | X                |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |       |      |
| 12      | A. Uma Maheswari  | X                |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |       |      |
| 13      | A. Vazalaktomi    | X                |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |       |      |
| 14      | G. Hemangini      | X                |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |       |      |
| 15      | T. Rajeswari      | X                |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |       |      |
| 16      | P. Narayana Kumar | X                |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |       |      |
| 17      | Umashree chandru  | X                |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |       |      |
| 18      | Uday Kiran        | X                |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |       |      |
| 19      | M. Natarajulu     | X                |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |       |      |
| 20      | K. Nandini        | X                |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |       |      |
| 21      | M. Sivarani       | X                |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |       |      |
| 22      | E. Tanvi          | X                |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |       |      |
| 23      | K. Chinna Raju    | X                |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |       |      |
| 24      | V. Rajeswari      | X                |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |       |      |
| 25      | N. Anitha         | X                |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |       |      |

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GOVT. DEGREE COLLEGE  
PATTOUR, KUNDAL



# REGISTER OF ATTENDANCE & FEES

Name of the Institution GDC.

NAMES

FOR THE MONTH OF

Page

| Sl. No. | Name                | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | Total | Remarks |
|---------|---------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|---------|
| 1       | A. Nandini          | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X     |         |
| 2       | B. Mallabadi        | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X     |         |
| 3       | D. Vamuna Reddy     | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X     |         |
| 4       | D. Shobha Devi      | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X     |         |
| 5       | C. Sri Kanti        | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X     |         |
| 6       | J. Kanimadhu        | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X     |         |
| 7       | Q. Chandra Sekhar   | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X     |         |
| 8       | G. Hridaya Rao      | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X     |         |
| 9       | G. Siva Kumar       | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X     |         |
| 10      | G. Hima Bindu       | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X     |         |
| 11      | Vaidika             | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X     |         |
| 12      | A. Uma Maheswari    | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X     |         |
| 13      | A. Vasanthakumari   | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X     |         |
| 14      | G. Hemavathi        | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X     |         |
| 15      | T. Enginathi        | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X     |         |
| 16      | P. Narayana Krishna | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X     |         |
| 17      | Unnesi Chandan      | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X     |         |
| 18      | Uday Kiran          | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X     |         |
| 19      | M. Madhukumar       | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X     |         |
| 20      | K. Narayana         | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X     |         |
| 21      | M. Sudhama          | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X     |         |
| 22      | E. Javathi          | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X     |         |
| 23      | K. Chinna Reddy     | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X     |         |
| 24      | V. Pragasani        | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X     |         |
| 25      | N. Anantha          | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X     |         |








Headmaster  
 Teacher  
 Headmaster  
 Teacher  
 Headmaster  
 Teacher

## SYLLABUS

### MUSHROOM CULTIVATION

CERTIFICATE COURSE FOR THE YEAR- 2022-2023

#### Unit-1


1. Mushroom definition and brief structure of mushrooms.
2. Types of mushrooms: Button mushrooms, Oyster mushrooms and Milky mushrooms
3. Nutritional values and medicinal values of mushrooms. Differences between edible and poisonous mushrooms. Poisonous mushrooms and harmful effects.
4. Types of mushroom units: small village unit and large commercial unit.
5. Lay out of mushroom farm, facilities, equipment and materials required for mushroom cultivation.

#### Unit-2

1. Compost definition and compost preparation
2. Spawn definition and preparation of spawn for mushroom culture.
3. Casing definition materials required for preparation of casing mixtures .Importance of casing.
4. General problem in cultivation of mushrooms and management of problems in mushroom cultivation.
5. Cropping, packing and preservation of mushrooms.
6. Quality assurance and entrepreneurship of mushrooms.



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DEPARTMENT OF BOTANY  
GOVT. DEGREE COLLEGE  
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Department of Botany,  
Government Degree College  
Pattikonda-518 380, Kurnool Dist



## MUSHROOM CULTIVATION

CERTIFICATE COURSE FOR THE YEAR- 2022-2023

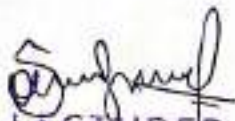
Question Paper

Answer any five question from the given below

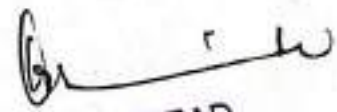
Each question carries equal marks

5X10=50M

1. Define the mushrooms and write the structure of mushrooms?
2. Write essay on different types of mushrooms that you studied?
3. Write essay on nutritional and medicinal values of the mushrooms?
4. a. Differences between edible and poisonous mushrooms  
b. Harmful effects of poisonous mushrooms
5. Define compost and write about the various steps involved in the preparation of compost?
6. Define spawn and how do you prepare the spawn for mushroom culture?
7. Write essay on problems in mushroom cultivation and problems in management of mushroom cultivation?
8. Write about the cropping, packing and marketing methods of mushrooms?

  
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DEPARTMENT OF BOTANY  
GOVT. DEGREE COLLEGE  
PAT TIKONDA-518 380, Kurnool Dist.



HEAD  
Department of Botany  
Government Degree College  
Pat TikonDA-518 380, Kurnool Dist.













**Certificates distribution by Principal Madam**

- 1.Miss D.Vannur Dee**
- 2.Miss Y.Padmavathi**
- 3.Mr.Hari Sai Ram.**





Certificates distribution by Principal Madam

- 1.Miss A.Nandini
- 2.Miss Yaidchi
- 3.Miss T.Rajeswari.

**Government Degree College, Pattikonda, Kurnool Dist. A.P.**  
Re-Accredited with "B" Grade By NAAC



Affiliated to Rayalaseema University-Kurnool

Department of Botany

*Certificate Course on "Mushroom Cultivation"*

***Certificate Of Participation***

This is to certify that Mr./Miss/ Mrs. \_\_\_\_\_

Student of III B.Sc , BZC of

Government Degree College, Pattikonda has successfully completed the certificate course in Mushroom cultivation organized by Department of Botany ,Government Degree College ,Pattikonda, Kurnool dist.

From 20/11/2022 to 01/12/2023.

1.

2.   
Course co-ordinator/s

Principal



**Government Degree College, Pattikonda.**

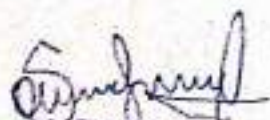
**Department of Botany**

**Final Report of Certification Course in Mushroom Cultivation.**

Mushroom Cultivation certificate course was developed by the Department of Botany with the help of the Principal, Dr. R. Madhuri, for the College's students. By offering a certificate course in Mushroom Cultivation for 45 days, the Department of Botany has made a modest start in its effort to teach and enhance the students with practical knowledge of the cultivation of mushrooms. The primary goal of the course, as previously decided, was to impart Mushroom Cultivation knowledge to the departing pupils. The demands of the final year students are taken into consideration when creating the course's fundamental framework. The aforementioned course began on 20<sup>th</sup> November 2022, and ended on 11th January, 2023. The pupils' response was very positive. The Seminar Hall was crowded with eager students for its first presentation.

The principal, Dr. R. Madhuri, spoke to the students and informed them of the significance of cultivation of Mushrooms in both the social and business spheres. She also praised the work of the department of Botany and complimented Dr.KV. Subbaiah HOD and Sri S. Soma Sekhar, lecturer, who served as the course coordinators. The course had a high turnout of students. Regular attendance for the classes, which ran from 04.00 PM to 5:00 PM, was 25 students.

The sessions were engaging, educational, and fascinating. The students were able to comprehend how to learn and understand cultivation of mushrooms with the use of hands-on activities, films, handouts, seminars, quizzes, suggested books, and engaging exercises. The pupils' confidence level was raised via brainstorming sessions, discussions, group exercises, and presentations. The complete course took place, The Course ran its entire course of 45 days and also took informal inputs from the students for making the course better next time. After the successful completion of the said Certificate course, a valedictory function was held and the Principal of the College, Dr. R. Madhuri graced the occasion and awarded the certificates to the students. The meeting was presided over by the HOD (Botany), Dr. K. V. Subbaiah. At the end of program Sri S. Soma Sekhar, Lecturer in Botany, proposed the vote of thanks.

  
LECTURER

DEPARTMENT OF BOTANY  
GOVT. DEGREE COLLEGE  
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Kurnool Dist A P

  
PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
Kurnool Dist A P

  
HEAD  
Department of Botany,  
Government Degree College,  
Pattikonda-518 380 Kurnool Dist A P



**Department Of Commerce**

**Certificate Course File**

**2022-2023**

**GOVERNMENT DEGREE COLLEGE :: PATTIKONDA**

**KURNOOL Dt.,A.P**

**(Accredited By Naac With 'B' Grade)**

**(Affiliated to Rayalaseema University Kurnoor Dt.,A.P)**



**Department Of Commerce**

**Certificate Course File**

**A.Y 2022-23**

# GOVERNMENT DEGREE COLLEGE, PATTIKONDA

## Department Of Commerce

### Minutes of the Department

#### Meeting for the conduct of Certificate Course in Income tax consultancy

Date: 01. 12.2022

The Department of Commerce, a leader in addressing student needs, has chosen to pave the way for the graduates of our college. Fresh graduates with Tally skills are in great demand due to the rising job market, which has been particularly evident in the financial sector. With the straightforward objective of giving departing students the essential practical knowledge on Tally, the Department of Commerce has taken the initiative to organize a certificate course in Income tax consultancy.

On the 1<sup>st</sup> December, 2022, the Department of Commerce had a meeting with its members on the College premises. The meeting was chaired by the Head of the Department, T Ganagadhar, and the lecturers in Commerce K. Raja Sekhar, H. Purushothamayya and U Chandra Sekhar, G Sreenivasulu are present. The Department unanimously resolved to organize the Certificate Course in Income tax consultancy for our College's outgoing final year Degree students under the chairmanship of the Head of Department and under the direction of the principal. It was resolved that the Certificate Course will be held for 45 days. It was also decided to focus more on students from rural backgrounds, and their medium of instruction is Telugu.

1. Sri T Ganagadhar, Head of the Department

2. Sri K Raja Sekhar , Lecturer In Commerce:

3. Sri H. Purushothamayya, Lecturer in Commerce:

4. Sri U Chandra Sekhar , Lecturer in Commerce :

5. Sri G. Sreenivasulu, Lecturer in Computer Science:

Principal

  
**Dr. R. MADHUBALA** P.H.D.,  
PRINCIPAL  
Government Degree College  
PATTIKONDA., Kurnool Dist., A.P.





# Government Degree College

(Accredited By Naac With 'B' Grade)  
Pattikonda, Kurnool (Dt), A.P. 518380.



## Department of Commerce

### PROPOSAL FOR THE INTRODUCTION OF CERTIFICATE COURSE

DATE: 01 - 12 - 2022

From,  
T Gangadhar,  
Lecturer in Commerce,  
Head of Department  
Govt. Degree College  
Pattikonda.


To,  
The Principal,  
Govt. Degree College  
Pattikonda


Respected Madam,

I'd like to make a proposal to you regarding the introduction of a In Come Tax Consultancy Certificate Course for our College's final year degree students. The Department of Commerce has been increasingly aware of the requirements of departing students. From the lowest to the greatest levels of employment, Knowledge in Tally has become the important factor for the commerce students. With all of these considerations in mind, the Department of commerce would like to launch the course.

The details or the program are

- |                                           |                                                         |
|-------------------------------------------|---------------------------------------------------------|
| 1. Name of the proposed program           | : In Come Tax Consultancy Certificate Course            |
| 2. Duration and timings of the program    | : 45 days; Time 4:30 to 5.30 pm                         |
| 3. Start date of the program              | : 5 <sup>th</sup> Dec 2022 to 31 <sup>st</sup> Jan 2023 |
| 4. Course fee                             | : Nil                                                   |
| 5. No. of students expected for admission | : 50                                                    |

  
**Dr. R. MADHURI**, M.S.W., Ph.D.,  
PRINCIPAL  
Government Degree College  
PATTIKONDA., Kurnool Dist., A.P.

Yours faithfully  
  
**T. GANGADHAR**  
Head of Department commerce  
Lecturer in Commerce  
Govt. Degree College,  
PATTIKONDA, Kurnool Dis

**Government Degree College, Pattikonda.**

**Department of Commerce**

**Final Report of Certification Course in commerce**

Department of Commerce, under the guidance of the Principal came up with idea of **Income Tax Consultancy** for the students of the College. The Department of commerce has made a humble beginning to impart and enrich the students with hands on tally by conducting a certificate course in **Income Tax Consultancy** for the duration of 45 days. As it was resolved earlier, the main thrust of the course was to inculcate knowledge in Tally for the out-going students. The basic structure of the course is prepared keeping in view the needs of the final year students. The said Course was started on 05-12-2022 and completed on 27.1.2023.


The response from the students was overwhelming. In its introductory session the Seminar Hall was jam-packed and students enthusiastically wanted to be the part of it. the principal, addressed the students intimating them about the importance of Technology in social and corporate realms. He also appreciated the effort of commerce Department and congratulated Sri T Gangadhar, HOD, Commerce Department, who was the guiding force behind the entire course. The number of students attended the Course was good. 30 Students regularly attended the Classes conducted from 4.30 P M to 5.30 PM.


The sessions were interactive, informative and interesting. The usage of hands on, videos, hand-outs, seminars, quiz's, suggestive books and interesting worksheets helped the students to grasp the tips to learn and understand Tally. There were brain-storming sessions, debates, group activities and impromptu presentations which enhanced the confidence level of the students. The Course ran its entire course of 45 days and also took informal inputs from the students for making the course better next time.

After the successful completion of the said Certificate course, a valedictory function was held on 27 January 2023 . The Principal of the College, graced the occasion. The meeting was presided over by the HOD (commerce),

Sri T Gangadhar. In his opening remarks, the Head of the Department explained the need and necessity of introducing the Certificate course. The Principal advised the students to make use of the in-puts given by the Department of commerce. Certificates were distributed to the all 30 students.

At the end of program Sri K Raja Sekhar, Lecturer in commerce, proposed the vote of thanks.

  
Dr. R. MADHURI, M.Sc., M.Phil., P.D.  
PRINCIPAL  
Government Degree College  
PATTIKONDA., Kurnool Dist., A.P.

  
Head of the Department  
T. GANGADHAR  
Lect. Commerce  
Govt. Degree College,  
PATTIKONDA Kurnool Dis.









GOVT. DEGREE COLLEGE, PATTIKONDA, KURNOOL (DIST)  
III B.Com General and Computers

Certificate Course in Income tax consultancy


Enrollements of the Students

| S.No | Admi No. | Name of the Students          | Signature if the Student |
|------|----------|-------------------------------|--------------------------|
| 1    | 5490     | Boddannagari Sreenath         | B. Sreenath              |
| 2    | 5453     | BOYA BURUKULA VEERENDRA       | Veerendra                |
| 3    | 5492     | Boya Govardhan                | B. Govardhan             |
| 4    | 5454     | BOYA MALLIKARJUNA             | B. Mallikarjuna.         |
| 5    | 5493     | Boya Mulinti Rajasekhar       | B. mulinti Rajasekhar    |
| 6    | 5455     | BOYA SIVA SHANKAR             | B. SIVA SHANKAR          |
| 7    | 5682     | Boya Vankayala Naresh         | Vankayala Naresh         |
| 8    | 5491     | Boya Vasundhara (W)           | Vasundhara               |
| 9    | 5457     | CHEVULA KOWLUTLA              | Chevula Kowlutla         |
| 10   | 5459     | CHUKKALA NARENDRA             | C. Narendra.             |
| 11   | 5494     | Daily Malleswari (W)          | Malleswari               |
| 12   | 5496     | Ediga Lepakshi Goud           | Lepakshi Goud            |
| 13   | 5497     | Ediga Vandana (W)             | E. Vandana               |
| 14   | 5460     | GANGASANI SUDHAKAR            | Sudhakar                 |
| 15   | 5498     | Garamidde Sudhakar            | Sudhakar                 |
| 16   | 5649     | Gestha Chandra Sekhar         | Gestha. Chandra Sekhar   |
| 17   | 5648     | Gopalam Praveen Kumar         | Gr. praveenkumar         |
| 18   | 5502     | Harijana Venkata Lakshmi (W)  | Venkata Lakshmi          |
| 19   | 5464     | KAMMARI VEERA SURENDRA ACHARI | veera surendra achari    |
| 20   | 5504     | Karumanchi Uha (W)            | Usha                     |
| 21   | 5506     | Kotakonda Saleem Basha        | Saleem Basha             |
| 22   | 5505     | Kothacheruvu Sreehari         | Sreehar,                 |
| 23   | 5469     | KUMMARI SREEKANTH             | Sreekanth                |
| 24   | 5647     | MANDULA HARI                  | Mandula Hari             |
| 25   | 5516     | Meddepogula Bharathi (W)      | Bharathi.                |
| 26   | 5515     | medikundu Naresh Babu         | M. Naresh Babu           |



|    |      |                            |                      |
|----|------|----------------------------|----------------------|
| 27 | 5518 | Milinty Lokesh             | Milinty Lokesh       |
| 28 | 5517 | Mulakalapenta Bhargavi (W) | Bhargavi             |
| 29 | 5521 | Mulla Shaik Allavali       | Shaik Allavali       |
| 30 | 5520 | Muthyala Sreenu            | Sreenu               |
| 31 | 5524 | Ramavath Aswani (W)        | Aswani               |
| 32 | 5525 | Ranga Uday Kumar           | Uday Kumar           |
| 33 | 5476 | SANDEPOGU SUSHMA           | Sushma               |
| 34 | 5477 | SHAIK RAFI                 | SHAIK RAFI           |
| 35 | 5528 | Shaik Raziya Begum (W)     | Raziya Begum         |
| 36 | 5478 | SHAKE KHALEEL              | SHAKE KHALEEL        |
| 37 | 5529 | Sirisetty Guruprakash      | Guruprakash          |
| 38 | 5530 | Surya Surendra Naidu       | Surya Surendra Naidu |
| 39 | 5480 | TEEJELA RAGHU              | Raghu                |
| 40 | 5482 | THAKANTI VINOD             | Vinod                |
| 41 | 5532 | Thuppara Vinod Kumar       | Vinod Kumar          |
| 42 | 5535 | Uppara Anil                | Anil                 |
| 43 | 5536 | Uppara Mallikarjuna        | Mallikarjuna         |
| 44 | 5681 | Vadde Sreenivas            | Sreenivas            |
| 45 | 5484 | VADDE SRINIVASULU          | Sreenivasulu         |
| 46 | 5537 | Yanumala Akil              | Yanumala Akil        |
| 47 | 5485 | YENUMULA CHIRANJEEVI       | Chiranjeevi          |

  
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 Lecturer in Commerce  
 Govt. Degree College,  
 PATTIKONDA, Kurnool Dis

GOVT. DEGREE COLLEGE, PATTIKONDA, KURNOOL (DIST)

Certificate Course in Income tax consultancy

Attandance of the Students

| S.No | Admi No. | Name of the Students          | No of Days Programme | No of Days Atteded | Percentage |
|------|----------|-------------------------------|----------------------|--------------------|------------|
| 1    | 5490     | Boddannagari Sreenath         | 45                   | 36                 | 80%        |
| 2    | 5453     | BOYA BURUKULA VEERENDRA       | 45                   | 34                 | 75         |
| 3    | 5492     | Boya Govardhan                | 45                   | 32                 | 70%        |
| 4    | 5454     | BOYA MALLIKARJUNA             | 45                   | 37                 | 80%        |
| 5    | 5493     | Boya Mulinti Rajasekhar       | 45                   | 40                 | 90%        |
| 6    | 5455     | BOYA SIVA SHANKAR             | 45                   | 42                 | 92%        |
| 7    | 5682     | Boya Vankayala Naresh         | 45                   | 38                 | 89%        |
| 8    | 5491     | Boya Vasundhara (W)           | 45                   | 36                 | 80%        |
| 9    | 5457     | CHEVULA KOWLUTLA              | 45                   | 40                 | 90%        |
| 10   | 5459     | CHUKKALA NARENDRA             | 45                   | 38                 | 89%        |
| 11   | 5494     | Daily Malleswari (W)          | 45                   | 36                 | 80%        |
| 12   | 5496     | Ediga Lepakshi Goud           | 45                   | 42                 | 92%        |
| 13   | 5497     | Ediga Vandana (W)             | 45                   | 40                 | 90%        |
| 14   | 5460     | GANGASANI SUDHAKAR            | 45                   | 36                 | 80%        |
| 15   | 5498     | Garamidde Sudhakar            | 45                   | 40                 | 90%        |
| 16   | 5649     | Gestha Chandra Sekhar         | 45                   | 36                 | 80%        |
| 17   | 5648     | Gopalam Praveen Kumar         | 45                   | 42                 | 92%        |
| 18   | 5502     | Harijana Venkata Lakshmi (W)  | 45                   | 38                 | 89%        |
| 19   | 5464     | KAMMARI VEERA SURENDRA ACHARI | 45                   | 40                 | 90%        |
| 20   | 5504     | Karumanchi Uha (W)            | 45                   | 38                 | 89%        |
| 21   | 5506     | Kotakonda Saleem Basha        | 45                   | 42                 | 92%        |
| 22   | 5505     | Kothacheruvu Sreehari         | 45                   | 45                 | 100%       |
| 23   | 5469     | KUMMARI SREEKANTH             | 45                   | 40                 | 90%        |
| 24   | 5647     | MANDULA HARI                  | 45                   | 42                 | 92%        |



|    |      |                            |    |    |     |
|----|------|----------------------------|----|----|-----|
| 25 | 5516 | Meddepogula Bharathi (W)   | 45 | 36 | 80% |
| 26 | 5515 | medikundu Naresh Babu      | 45 | 32 | 70% |
| 27 | 5518 | Milinty Lokesh             | 45 | 34 | 75% |
| 28 | 5517 | Mulakalapenta Bhargavi (W) | 45 | 37 | 80% |
| 29 | 5521 | Mulla Shaik Allavali       | 45 | 36 | 80% |
| 30 | 5520 | Muthyala Sreenu            | 45 | 38 | 89% |
| 31 | 5524 | Ramavath Aswani (W)        | 45 | 40 | 90% |
| 32 | 5525 | Ranga Uday Kumar           | 45 | 38 | 89% |
| 33 | 5476 | SANDEPOGU SUSHMA           | 45 | 38 | 89% |
| 34 | 5477 | SHAIK RAFI                 | 45 | 36 | 80% |
| 35 | 5528 | Shaik Raziya Begum (W)     | 45 | 36 | 80% |
| 36 | 5478 | SHAKE KHALEEL              | 45 | 38 | 89% |
| 37 | 5529 | Sirisetty Guruprakash      | 45 | 37 | 80% |
| 38 | 5530 | Surya Surendra Naidu       | 45 | 40 | 90% |
| 39 | 5480 | TEEJELA RAGHU              | 45 | 40 | 90% |
| 40 | 5482 | THAKANTI VINOD             | 45 | 38 | 89% |
| 41 | 5532 | Thuppara Vinod Kumar       | 45 | 40 | 90% |
| 42 | 5535 | Uppara Anil                | 45 | 36 | 80% |
| 43 | 5536 | Uppara Mallikarjuna        | 45 | 34 | 75% |
| 44 | 5681 | Vadde Sreenivas            | 45 | 38 | 89% |
| 45 | 5484 | VADDE SRINIVASULU          | 45 | 38 | 89% |
| 46 | 5537 | Yanumala Akil              | 45 | 36 | 80% |
| 47 | 5485 | YENUMULA CHIRANJEEVI       | 45 | 34 | 75% |

  
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**T. GANGADHAR**  
 Lecturer in Commerce  
 Govt. Degree College,  
 PATTIKONDA, Kurnool Dist.



Income Tax Practitioner  
Course



## Income Tax Practitioner Course

|                                                     |                         |
|-----------------------------------------------------|-------------------------|
| <b>Course Name:</b>                                 | <b>Course Duration:</b> |
| Income Tax Practitioner Course                      | 45 days                 |
| Class: B.Com Students                               |                         |
| Faculty Concern: K.RAJA SEKHAR Lecturer in commerce |                         |

### About This Course:

Income Tax Practitioner course will lay emphasis on the practical aspects with a solid knowledge base. Typical real life situations are covered under the syllabus. A student will learn how to compute taxable income under the heads Salaries, House properties, Business and Profession, Capital gains and other sources. Moreover, they can also learn how to compute tax liability of an individual, HUF, Firms, Companies etc. and how to file income-tax return in case of various assesses. The students would get an idea about Indirect Taxes Excise duty, GST, Service tax etc. and tax planning which attempts to reduce tax liability legally.

### Income Tax Practitioner Course Benefits:

- ❖ Gives knowledge regarding tax system in India for students' understanding
- ❖ Upon completion of course, the candidate will become a tax professional in different tax planning strategies for their client
- ❖ Maintaining the tax compliance software system
- ❖ Developing, implementing, and improving processes
- ❖ Providing technical advice and staff assistance to executives, field managers, and employees
- ❖ Practical focus on the trending affairs

### Who Should Attend:-

- ❖ Graduate Commerce/Arts/Engineering
- ❖ Chartered Accountant/Cost Accountant/Company Secretary
- ❖ Law Graduate/Advocate
- ❖ Head of the Finance Department/CFO/Directors/Tax Head/Finance Controller
- ❖ Individuals/beginners seeking career opportunity in the taxation domain.
- ❖ Professionals who want to shift from finance to GST domain.
- ❖ Finance professionals who want deal in taxation to meet their professional need.



# Course Details and Syllabus

## UNIT-1

|                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A. Income Tax Basics                 | <ul style="list-style-type: none"> <li>✓ Brief History</li> <li>✓ Concept &amp; difference in Direct Tax Vs Indirect Tax</li> <li>✓ Source of Income</li> <li>✓ Rate of Income Tax type of assesses</li> <li>✓ Residential status of a person</li> </ul>                                                                                                                                                                                                                      |
| B. Income from salary                | <ul style="list-style-type: none"> <li>✓ Definition of salary</li> <li>✓ Basic of Charge</li> <li>✓ Perquisite and Allowance</li> <li>✓ Treatment of Pension &amp; Gratuity</li> <li>✓ VRS</li> <li>✓ Deduction from Salary</li> <li>✓ Standard from salary</li> <li>✓ Professional Tax</li> <li>✓ Calculation of Net Taxable Income from Salary</li> <li>✓ Relief under Section 89</li> <li>✓ Practical Case Studies</li> </ul>                                              |
| C. Income from House Property        | <ul style="list-style-type: none"> <li>✓ Basic of Computing Income from Let Out House Property</li> <li>✓ Concept of Gross Annual Value</li> <li>✓ Deduction under Section 24</li> <li>✓ Interest on Pre-Construction Period and Post Construction Period</li> <li>✓ Computation of Taxable Income from Self Occupied Property</li> <li>✓ Computation of Annual Value of 1 Self Occupied Property</li> <li>✓ Provision of Unrealized Rent if realized subsequently</li> </ul> |
| D. Income from Business / Profession | <ul style="list-style-type: none"> <li>✓ Chargeability (Section 28)</li> <li>✓ Allowance Expenses</li> <li>✓ Concept of Deprecation</li> <li>✓ Rate of Deprecation</li> <li>✓ Additional Deprecation</li> <li>✓ Amortization of Expenses in case of Amalgamation / Merger etc.</li> </ul>                                                                                                                                                                                     |



|  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <ul style="list-style-type: none"> <li>✓ Bad Debts and its treatment</li> <li>✓ General Deduction as per Section 37</li> <li>✓ Amount Not Deduction as per Section 40</li> <li>✓ Amount exceeding Rs 20000/ Rs 10000</li> <li>✓ Payment to specified person</li> <li>✓ Provision related to Gratuity/ other statutory liability</li> <li>✓ Deduction on payment basis under section 43B</li> <li>✓ Balancing charge</li> <li>✓ Presumptive Taxation under PGBP (Section 44AD, 44ADA etc)</li> <li>✓ Maintenance of Books of Accounts</li> </ul> |
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## UNIT 2

|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A. Income from Capital Gain  | <ul style="list-style-type: none"> <li>✓ Chargeability under Section 45</li> <li>✓ Meaning of Capital Assets</li> <li>✓ Types of Capital Assets</li> <li>✓ Definition of Transfer { (Section 2(47))}</li> <li>✓ Long term Vs Short Term Capital Gain</li> <li>✓ Concept of Indexation</li> <li>✓ Expenditure on Transfer - Cost of Acquisition / Improvement</li> <li>✓ Computation of Capital Gain when insurance claim received</li> <li>✓ Exemption under Capital Gain</li> <li>✓ From transfer of residential house property (Section 54)</li> <li>✓ Transfer of land used for agriculture purpose</li> <li>✓ Investment on certain bonds</li> <li>✓ Transfer of Capita Assets other then house property</li> <li>✓ Capital gain not to be charges in investment in units of specified fund</li> </ul> |
| B. Income from Other Sources | <ul style="list-style-type: none"> <li>✓ Chargeability under Section 56</li> <li>✓ Dividend</li> <li>✓ Winning from lottery/ horse races etc.</li> <li>✓ Interest on Securities</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

|                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                             | <ul style="list-style-type: none"> <li>✓ Money / Property received without / inadequate consideration</li> <li>✓ Valuation of the purpose of chargeability</li> <li>✓ Receipt of Shares by a firm / closely held company</li> <li>✓ Interest on KVP/ NSC/ IVP</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| C. Clubbing of Income and Set Off of losses | <ul style="list-style-type: none"> <li>✓ Transfer of Income without Transfer of Assets Section 60</li> <li>✓ Revocable Transfer of Assets Section 61</li> <li>✓ Remuneration Transfer of Assets Section 61</li> <li>✓ Remuneration of Spouse</li> <li>✓ Income from Assets transferred to Spouse/ Sons Wife</li> <li>✓ Income of Minor Child</li> <li>✓ Conversion of Self Acquired Property into Joint Family</li> <li>✓ Property and subsequent partition {Section 64(2) }</li> <li>✓ Set of losses under same head of Income</li> <li>✓ Set of losses between inter head of Income</li> <li>✓ Carry forward of losses</li> <li>✓ Carry forward and set off of business losses and deprecation in case of merger and amalgamation</li> </ul> |
| D. Deduction under Chapter VI- A            | <ul style="list-style-type: none"> <li>✓ 80C Deductions: LIC, PF, PPF etc.</li> <li>✓ 80CCC: Pension Plan</li> <li>✓ Section 80CCD: [Deduction in respect of contribution to pension scheme of Central Government]</li> <li>✓ 80 CCG: Rajiv Gandhi Equity Scheme for Investments in Equities</li> <li>✓ 80 RRB: Deduction in respect of Royalty on Patents</li> <li>✓ 80 QQB: Deduction on Royalty income to Author of certain books</li> <li>✓ Section 80D: (Medical Health Insurance)</li> <li>✓ Section 80E: Interest on Education Loan</li> </ul>                                                                                                                                                                                          |



|  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <ul style="list-style-type: none"> <li>✓ Section 80EE : Interest on Home Loan</li> <li>✓ Section 80DD: Deduction in respect of maintenance including medical treatment of a dependent with disability.</li> <li>✓ Section 80DDB: Deduction in respect of medical treatment on specified disease</li> <li>✓ 80U: Deduction in case of a person with disability</li> <li>✓ 80GG: Deduction where House rent is paid and HRA not received</li> <li>✓ 80GGA: Deduction in respect of certain donations for Scientific Research or Rural Development</li> <li>✓ 80GGC: Deduction in respect of contributions given by any person to Political Parties</li> <li>✓ 80TTA: Deduction in respect of interest on deposits in Savings Account</li> <li>✓ 80TTB : Deduction in respect of interest from deposits held by Senior Citizens</li> <li>✓ 80G: DONATIONS</li> </ul> |
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### UNIT 3

|                                                                      |                                                                                                                                                                                                                                                                                                              |
|----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A. Tax Deducted at Sources & Tax Collection at Sources ( TDS & TCS ) | Section Details as follows:<br>192, 192 A, 193, 193, 194, 194 A, 194 A, 194 B, 194 BB, 194 D, 194 DA, 194 EE, 194 G, 194 H, 194 I, 194 I, 194 IB, 194 IA, 194 L B, 194 LD                                                                                                                                    |
| B. Computation of total income                                       | Practical Case Study for Computation of total Income                                                                                                                                                                                                                                                         |
| C. Assessment                                                        | <ul style="list-style-type: none"> <li>✓ Types of assessment under Income Tax Act, 1961-</li> <li>✓ Self Assessment -u/s 140 A</li> <li>✓ Summary assessment -u/s 143(1)</li> <li>✓ Scrutiny assessment -u/s 143(3)</li> <li>✓ Best Judgment Assessment -u/s 144</li> <li>✓ Protective assessment</li> </ul> |



|  |                                                                                                                                                             |
|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <ul style="list-style-type: none"> <li>✓ Re-assessment or Income escaping assessment -u/s 147</li> <li>✓ Assessment in case of search -u/s 153 A</li> </ul> |
|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------|

#### UNIT 4

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A. Return of Income | <p>Type of Income Tax Returns</p> <ul style="list-style-type: none"> <li>✓ ITR 1- Individual having Income from Salaries, one house property, other sources (Interest etc.) and having total income upto Rs. 50 lakh</li> <li>✓ ITR 2- Individual and HUFs not carrying out business or profession under any proprietorship</li> <li>✓ ITR 3- Individual and HUFs having income from a proprietary business or profession.</li> <li>✓ ITR 4- presumptive income from Business &amp; Profession</li> </ul> <p>Filing of Income Tax Return with examples</p> <ol style="list-style-type: none"> <li>a. Online / Offline</li> <li>b. Due Date of filing of Return</li> <li>c. Revised Return</li> <li>d. Belated Return</li> <li>e. Defective Return</li> </ol> |
| B. TDS Return       | Practical Exposure for filling of TDS Return                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| C. Other Topics     | <ul style="list-style-type: none"> <li>✓ Penalties under Income Tax Act</li> <li>✓ Offences Prosecutions under IT Act</li> <li>✓ Provision related to search &amp; Seizure under Income Tax</li> <li>✓ Calculation of Advances Tax</li> <li>✓ Calculation of Minimum Alternate Tax (MAT)</li> <li>✓ Calculation of Interest under Section 234</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                     |

|                                      |                                                                                                                                                                                                    |
|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                      | <ul style="list-style-type: none"> <li>✓ Brief discussion on ICDS (Income Computation &amp; Disclosure Standard)</li> <li>✓ Provision of Income Tax Audit</li> <li>✓ Other Misc. Topics</li> </ul> |
| D. Exam and Certificate Distribution | <ul style="list-style-type: none"> <li>✓ Evaluation of the Course</li> <li>✓ Certificate Distribution</li> </ul>                                                                                   |

#### Introduction:

Paying your income tax for the first time is a milestone in any citizen's life. However, the process can seem too daunting and tedious for a first-timer, and some of the terms tend to go right over your head. This needn't be so. To help you understand the tax implications of your income (based on your income source), here is a compilation of basics of income tax for beginners.

#### Basics of Income Tax for Beginners

Are you just out of college and looking for a job? Or have you already landed the job and are going to file your income tax returns for the first time? If nitty-gritty of income tax and investments confuse you, ClearTax is here to help. Our aim at Clear Tax is to simplify Income Taxes for you and make your financial lives easier. Basically, anybody with an income is liable to file income tax returns. Today we bring to you the basics of Income Tax you'll need to equip yourself with and this should help you take a confident first step into your job.

#### Defining the 'Previous year'

Previous year or the financial year or your tax year is the 12 month period that begins on 1st April and ends on the 31st March of the next year. No matter when you start your job, your tax year closes on 31st March and a new tax year starts on 1st April. So, it is important to plan your taxes for each financial year.

#### Assessment Year

It is a term you'll often hear in relation to tax filing. It is the financial year after the previous year in which you will 'assess' and file your return for the previous year. So, assessment year is 2019-20 for the previous year 2018-19. Assessment year is the year in which you will file your return for the previous year. For instance, if you start your job on 1 January 2023, your tax year closes on 31 March 2023. 2022-23 is your previous year and your AY is 2023-24.



## Understanding your Salary

When you start your job – reach out to your payroll or HR department and get your Salary details/ Pay Slip / Tax Statement. Here, you will get an idea of the major components of your salary and how much tax will be deducted from your salary based on them.

**Example:** Most companies give House Rent Allowance or HRA, and you can save tax on that if you are living on rent.

## Income on which you pay Tax

Besides the salary income you receive, you may be earning an income from several other sources. Your Total Income is the sum total of all heads of income below.

## Sources of Income

### Sources of Income

### Particulars

#### Income from Salary

Salary, Allowances, Leave encashment basically all the money you receive while rendering your job as a result of your employment agreement

#### Income from House Property

Income from house or building, this may be owned and self-occupied or may be rented

#### Income from Capital Gain

Income from gain or loss when you sell a capital asset

#### Income from Business or Profession

Income/loss that arises as a result of carrying on a business or profession

Income from Other  
Sources

This is the residual head – includes your income from savings bank accounts, fixed deposits, family pension or gifts received

Deductions

Deductions reduce your Gross Income. These are the amounts Income Tax Department allows you to reduce your Income, bringing down your tax liability.

**Sum of All heads of Income = Gross Income**

**Gross Income – Deductions = Taxable Income**

The more you make use of the deductions allowed, the lower your tax shall be. Deductions are allowed under Section 80 of the Income Tax Act (Section 80C to 80U).

However, in 2020, the government introduced two tax regimes in India: The old tax regime and the new tax regime. The percentage of income tax that you pay on your total income differs under the old and the new tax regime. [Click here](#) to know more about the old and the new tax regimes.

Under the old tax regime, all deductions are allowed under Sections 80C to 80U, subject to conditions. However, under the new tax regime, only the deduction on let-out property under Section 24B and the deduction on the employer's contribution to NPS are allowed.

**Deductions Under Section 80C**

Section 80C can take off INR 1,50,000 from your Gross Income. Given below are some of the widely-used investment vehicles under this section.

One of the most popular deductions under 80C is deposits to Public Provident Fund or PPF. When you open a PPF account, you need to deposit a minimum of INR 500 and a maximum of INR 1,50,000 in a year. Money deposited in a PPF account compounds, as you deposit more money in the subsequent financial years to claim deductions. PPF is a traditional and safe saving avenue to park your hard earned money. A PPF account can be easily opened with a bank.

#### **Tax-saving FD**

Fixed deposits assure capital protection as well as a sizable interest income for investors. To get tax benefits under 80C, you need to stay invested for at least 5 years. It is safe, but the interest income from it is taxable.

#### **Tax-saving mutual funds or ELSS**

One of the only mutual fund scheme allowed under 80C, ELSS (Equity Linked Savings Scheme) is gaining popularity among people for its historically higher performance in the recent years. Another perk of ELSS is that it has the lowest lock-in period of 3 years.

#### **TDS or Tax deducted at source**

TDS is Tax Deducted at Source – it means that the tax is deducted by the person making payment. The payer has to deduct an amount of tax based on the rules prescribed by the income tax department. For instance, An employer will estimate the total annual income of an employee and deduct tax on his Income if his Taxable Income exceeds INR 2,50,000. Tax is deducted based on which tax slab you belong to each year. Similarly, if you earn interest from a Fixed Deposit, the bank also deducts TDS. Since the bank does not know your tax slabs, they usually deduct TDS @ 10%, unless you haven't mentioned your PAN (in that case a 20% TDS may be deducted).



## Calculating Tax Payable

On your Taxable Income, tax slabs or rates are applied and final tax payable is calculated. From this tax payable, you can reduce all the TDS that has already been deducted.

## Standard Deduction

As per the Budget 2018, salaried employees are entitled to a standard deduction of Rs 40,000 from the gross salary. This standard deduction will replace the medical reimbursement amounting to INR 15,000 and transport allowance amounting to Rs. 19,200 in a financial year. Effectively, the taxpayer will get an additional income exemption of Rs 5,800. The limit of Rs. 40,000 has been increased to Rs. 50,000 from FY 2019-20 onwards in the Interim Budget 2019. From FY 2023-2024, this deduction of Rs.50,000 is available and can be claimed under both the old and new tax regimes.

## Illustration on salary TDS

Aditya is a 25-year-old software engineer living in Mumbai. He spends his free time enjoying his new found financial freedom. This is his first job and he's clueless about tax or savings. But it's almost the end of January and Aditya heard his friends talking about Section 80C and how they pay zero tax thanks to Section 80C. Aditya earns Rs 6,60,000 annually. Here are his salary details.

| Salary components    | Monthly | Annually |
|----------------------|---------|----------|
|                      | 30,000  | 3,60,000 |
| Basic salary         |         | 1,80,000 |
| House Rent Allowance | 15,000  |          |

Special Allowance

10,000

1,20,000

Total

6,50,000

Aditya looked up his pay slip and found out that his employer has been deducting a TDS on his salary of Rs 2,988 each month. This shall work out to Rs 35,856 for the whole year. While Aditya has been busy enjoying his new life he has no clue how much tax he needs to pay and whether he can save any tax! Let's help him!

Aditya should first find out his total income from all sources. Besides salary income, Aditya has earned savings bank account interest of Rs 2,500. He found this amount in his bank statement. His father had forced him to put aside Rs 50,000 in fixed deposit and from his online FD statement, he found out he will earn an interest of Rs 3,500 on this FD until 31st March 2020. Aditya is not sure whether any TDS has been deducted on his interest income – so he looks up his Form 26AS. Form 26AS has the details of all the tax deducted and deposited against Aditya's PAN. He found TDS of Rs 2,988 deducted by his employer each month until January.

Here is Aditya's total income under old tax regime:

|                               |          |
|-------------------------------|----------|
|                               | Rs       |
| Income from salary            | 6,60,000 |
|                               | Rs 6,000 |
| Income from other sources     |          |
|                               | Rs 2,500 |
| Savings Bank account interest |          |
|                               | Rs 3,500 |
| Fixed Deposit interest        |          |

**Gross Total Income**

Rs

6,66,000

**Tax deducted or TDS till the end of January 2020 (Rs 2,988\*10)**

Rs

29,880

Aditya also revealed he lives in a rented accommodation in Mumbai along with 4 other roommates and his share of rent is Rs 10,000. If Aditya can organize rent receipts from the landlord and get his PAN number, he can claim an exemption on HRA. If Aditya can submit the rent receipts well in time, to his employer – his employer will be able to adjust his tax calculations.

### **Aditya's HRA exemption**

**HRA exemption shall be least of the following:**

HRA received (A)

Rs 15,000

50% of the basic salary

Rs 15,000

Rent paid less 10% of the basic salary

Rs 7,000

HRA exempt (lower of the above) (B)

Rs 7,000

HRA taxable (A)-(B)

Rs 8,000

Now let us see Aditya's revised tax calculation.

**Aditya's revised tax calculation**



# Aditya's revised tax calculation

## Income from salary

|                        |             |             |
|------------------------|-------------|-------------|
|                        |             | Rs 5,76,000 |
| Basic salary           | Rs 3,60,000 |             |
| Taxable portion of HRA | Rs 96,000   |             |
| Special allowance      | Rs 1,20,000 |             |

## Income from other sources

|                    |  |             |
|--------------------|--|-------------|
|                    |  | Rs 6,000    |
| Gross total income |  | Rs 5,82,000 |

## Deduction under section 80C

|  |  |             |
|--|--|-------------|
|  |  | Rs 1,50,000 |
|--|--|-------------|

## Deduction under section 80TTA

|  |  |          |
|--|--|----------|
|  |  | Rs 2,500 |
|--|--|----------|

## Total income

|  |  |             |
|--|--|-------------|
|  |  | Rs 4,29,500 |
|--|--|-------------|

## Tax payable

|  |  |          |
|--|--|----------|
|  |  | Rs 8,975 |
|--|--|----------|

## Less: Rebate under section 87A (for total income up to Rs 5 lakh)

|  |  |          |
|--|--|----------|
|  |  | Rs 8,975 |
|--|--|----------|

## Tax payable

|  |  |     |
|--|--|-----|
|  |  | Nil |
|--|--|-----|

Did you notice? If Aditya can manage to claim Rs 1,50,000 under section 80C – no tax shall be payable by him on account of rebate claimed under section 87A. With this deduction, his

taxable income does not exceed Rs 5 lakh which is eligible for rebate under section 87A for the AY 2020-21.

However, Aditya has to file an income tax return because his gross total income is above the basic exemption limit of Rs 2.5 lakh. Also, Aditya can claim a refund of the TDS of Rs 29,880 which has been deducted on his income. Aditya claims Rs 1,50,000 under section 80C. Deduction on Section 80C is available for PF @12% of Basic Salary, its Rs 43,200 for him. Since this is already deducted from salary, he simply needs to consider this amount – no additional payout is required.

Aditya wants to try his hands in equities and finds the market returns promising so he invests Rs 50,000 in ELSS. He opens a PPF account and deposits Rs 57,580 – all of these add up to Rs 1,50,780. The amount of deduction eligible under section 80C is limited to Rs 1,50,000. Accordingly, Aditya claims a deduction of Rs 1,50,000 under section 80C.

#### **Deduction under section 80C available to Aditya**

|                                        |             |
|----------------------------------------|-------------|
| EPF contribution @ 12% of basic salary | Rs 43,200   |
| Subscription to ELSS                   | Rs 50,000   |
| Contribution to PPF                    | Rs 57,580   |
| Total                                  | Rs 1,50,780 |
| Eligible deduction                     | Rs 1,50,000 |

#### **Documents Required to File Income Tax Returns**

Many documents are required to be kept ready before filing the Income Tax Return (ITR). These documents vary according to the source of income, as stated below:

- Salaried individual – Form 16/16A, 26AS, rent receipt paid for HRA, payslips, investments made under Section 80C, 80E, 80D and 80G.
- Capital gains – ELSS statement, mutual fund statement, sale and purchase of equity/debt funds, purchase/selling price of a house, registration details if any house property is sold, and capital gains statement showing the sale of shares and stock trading.
- House property – PAN card details, co-owner details, property address and home loan interest certificate.
- Other sources - Bank FD details and details of interest received from tax-saving or corporate bonds.

### Income Tax Slabs

Individuals must pay the rate of tax as per the income tax income slab they fall under. People whose income is below Rs.2,50,000 in a financial year do not have to pay taxes. The tax rates vary under the new and the old tax regime, starting from 5% to 30%. Below are the income tax slabs and the applicable tax rates:

| Income Slab    | Old Tax Regime | New tax Regime<br>(until 31st March 2023) | New Tax Regime<br>(From 1st April 2023) |
|----------------|----------------|-------------------------------------------|-----------------------------------------|
| ₹0 - ₹2,50,000 | -              | -                                         | -                                       |





|                         |     |     |     |
|-------------------------|-----|-----|-----|
| ₹2,50,000 - ₹3,00,000   | 5%  | 5%  | -   |
| ₹3,00,000 - ₹5,00,000   | 5%  | 5%  | 5%  |
| ₹5,00,000 - ₹6,00,000   | 20% | 10% | 5%  |
| ₹6,00,000 - ₹7,50,000   | 20% | 10% | 10% |
| ₹7,50,000 - ₹9,00,000   | 20% | 15% | 10% |
| ₹9,00,000 - ₹10,00,000  | 20% | 15% | 15% |
| ₹10,00,000 - ₹12,00,000 | 30% | 20% | 15% |
| ₹12,00,000 - ₹12,50,000 | 30% | 20% | 20% |
| ₹12,50,000 - ₹15,00,000 | 30% | 25% | 20% |
| >₹15,00,000             | 30% | 30% | 30% |

### Income Tax Returns

The Income Tax Department has notified 7 various Income Tax Return forms, i.e. ITR-1, ITR-2, ITR-3, ITR-4, ITR-5, ITR-6 & ITR-7. Every taxpayer should file ITR on or before the specified due date, i.e. 31 July of the assessment year. The applicability of ITR forms varies depending on the sources of income, the amount of the income earned and the category of the taxpayer like individuals, HUF, company, etc.

Thank you

  
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# Govt. Degree College, Pathikonda.

KURNOOL DIST. A.P.

DEPARTMENT OF COMMERCE



## CERTIFICATE IN INCOME-TAX CONSULTANCY

This is to Certify that ..... has successfully completed  
the one month certificate course in Income-Tax consultancy conducted from .....  
to ..... organised by the Department of Commerce, Govt. Degree College, Pathikonda-518 380,  
Kurnool Dist. He/She is further declared eligible for Income-Tax consultancy.

  
Course Organiser  
**K. RAJA SERHAR**  
Lecturer in Commerce  
Government Degree College  
PATTIKONDA

  
Expert

  
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### Pupils Attendance Register


| 1                | 2          | 3                    | 4                | 5 |   |   |   |   |   |   |   |   |    |    |    |    |
|------------------|------------|----------------------|------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|
| अ.क्र.<br>Serial | ना.<br>No. | नाम<br>Name          | स.क्र.<br>Serial | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 52.70            |            | M. Sreenu            |                  |   |   |   |   | x | x | x | x | x |    |    |    |    |
| 52.71            |            | R. Aswani            |                  |   |   |   |   | x | x | x | x | x |    |    |    |    |
| 52.72            |            | R. Uday Kumar        |                  |   |   |   |   | a | x | x | x | x |    |    |    |    |
| 52.73            |            | S. Suchma            |                  |   |   |   |   | a | x | x | x | x |    |    |    |    |
| 52.74            |            | S. Rafi              |                  |   |   |   |   | x | x | x | x | x |    |    |    |    |
| 52.75            |            | S. Raziya Begum      |                  |   |   |   |   | x | x | x | x | x |    |    |    |    |
| 52.76            |            | S. Ichaleel          |                  |   |   |   |   | x | x | a | x | x |    |    |    |    |
| 52.77            |            | S. Ganeswarakash     |                  |   |   |   |   | y | x | x | x | x |    |    |    |    |
| 52.78            |            | S. Sureshendra Naidu |                  |   |   |   |   | y | x | i | a | x |    |    |    |    |
| 52.79            |            | T. Raghu             |                  |   |   |   |   | y | x | x | x | x |    |    |    |    |
| 52.80            |            | T. Vinod             |                  |   |   |   |   | x | x | a | x | x |    |    |    |    |
| 52.81            |            | T. Vinod Kumar       |                  |   |   |   |   | x | x | x | a | x |    |    |    |    |
| 52.82            |            | U. Anil              |                  |   |   |   |   | x | a | x | x | a |    |    |    |    |
| 52.83            |            | U. Mallikarjuna      |                  |   |   |   |   | x | a | x | x | a |    |    |    |    |
| 52.84            |            | V. Sreenivas         |                  |   |   |   |   | x | x | a | x | x |    |    |    |    |
| 52.85            |            | V. Sreenivasulu      |                  |   |   |   |   | x | x | x | x | x |    |    |    |    |
| 52.86            |            | Y. Akhil             |                  |   |   |   |   | a | x | x | a | x |    |    |    |    |
| 52.87            |            | Y. Chitranjevi       |                  |   |   |   |   | x | x | x | x | a |    |    |    |    |

పిల్లల హాజరుపట్టి

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T. GANGADHAR  
Govt. College  
PATTIKONJA, PURNIMA

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| América del Sur: 1990 | 1990 |
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ఉపాధ్యక్షుల పేరిట:

|                            |                      |
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| ನಿರ್ದೇಶಕರ ಹೆಸರು : ಬಾಲಕೃಷ್ಣ | ಪ್ರಾಂಶುಪಾಲಕರ ಹೆಸರು : |
|----------------------------|----------------------|

உதாரணம்: பிள்ளை

See also 4254, 4255

7. 2008

2003



# Pupils Attendance Register

పిల్లల హాజరుపట్టి

గోరంట్ల జిల్లా  
హరిజన్ కాలేజి

తేదీ: \_\_\_\_\_  
పేజీ: \_\_\_\_\_

| Sl. No. | Name                 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | Remarks |
|---------|----------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---------|
| 5480    | B. Sreenath          |   |   |   |   | X | X | X | X | X | X  | X  | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 5481    | B.B. vecandra        |   |   |   |   | X | X | X | X | X | X  | X  | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 5492    | B. Govindhan         |   |   |   |   | X | X | X | X | X | X  | X  | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 5494    | B. malli Karjuna     |   |   |   |   | X | X | X | X | X | X  | X  | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 5498    | B.M. Rajasekhar      |   |   |   |   | X | X | X | X | X | X  | X  | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 5499    | B. Siva Shankar      |   |   |   |   | X | X | X | X | X | X  | X  | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 5492    | B. Van Kayala naresh |   |   |   |   | X | X | X | X | X | X  | X  | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 5491    | B. vasundhara        |   |   |   |   | X | X | X | X | X | X  | X  | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 5451    | C. Kowlulla          |   |   |   |   | X | X | X | X | X | X  | X  | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 5459    | C. narendra          |   |   |   |   | X | X | X | X | X | X  | X  | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 5494    | D. malleswari        |   |   |   |   | X | X | X | X | X | X  | X  | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 5496    | E. Lepakshi goud     |   |   |   |   | X | X | X | X | X | X  | X  | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 5497    | E. vandana           |   |   |   |   | X | X | X | X | X | X  | X  | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 5460    | G. Sudhakay          |   |   |   |   | X | X | X | X | X | X  | X  | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 5498    | Garam, dde Sudhakar  |   |   |   |   | X | X | X | X | X | X  | X  | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 5498    | G. praveen Kumar     |   |   |   |   | X | X | X | X | X | X  | X  | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 5502    | H. vankata Lakshmi   |   |   |   |   | X | X | X | X | X | X  | X  | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 5464    | K.V. Suresh Achari   |   |   |   |   | X | X | X | X | X | X  | X  | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 5504    | K. uha               |   |   |   |   | X | X | X | X | X | X  | X  | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 5506    | K. Saleem Basha      |   |   |   |   | X | X | X | X | X | X  | X  | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 5505    | K. sreehari          |   |   |   |   | X | X | X | X | X | X  | X  | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 5469    | K. Sreekanth         |   |   |   |   | X | X | X | X | X | X  | X  | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 5447    | M. Hari              |   |   |   |   | X | X | X | X | X | X  | X  | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 5536    | M. Bharathi          |   |   |   |   | X | X | X | X | X | X  | X  | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 5535    | M. naresh babu       |   |   |   |   | X | X | X | X | X | X  | X  | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 5518    | M. Lokesh            |   |   |   |   | X | X | X | X | X | X  | X  | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 5519    | Mr. Bhargavi         |   |   |   |   | X | X | X | X | X | X  | X  | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 5521    | M.S. nithya          |   |   |   |   | X | X | X | X | X | X  | X  | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 5520    | M. Sreenu            |   |   |   |   | X | X | X | X | X | X  | X  | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |
| 5549    | G. Chandra sekhar    |   |   |   |   | X | X | X | X | X | X  | X  | X  | X  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |

T. GANGADHAR  
Principal  
Gorintla College  
Gorintla, Nellore

# Pupils Attendance Register

## పిల్లల హాజరుపట్టి

రోజు నెల  
వారం రోజు

తరగతి  
స్థానం

| 2020-2021 |   | 3 |  |  |  |  |  |  |  |  |  |  |  | 4 |   |   |   |   |   |    |    |    |    |    |    | 5  |    |    |    |    |    |    |    |    |    |    |    | 6  |    |    |    |       |  |          |          |          |          |          |          | 7        |          | 8        |          | 9        |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          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| 1         | 2 | 3 |  |  |  |  |  |  |  |  |  |  |  | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | హాజరు |  | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు | అక్షరాలు 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T. GADILAKSHMI  
Principal  
G. S. College,  
BANTUWADA, Khammam Dist.



# DEPARTMENT OF MATHEMATICS



## Certificate Course In **Arithmetic Fundamentals** (2022-23)

**GOVERNMENT DEGREE COLLEGE, PATTIKONDA**  
**PROPOSAL FOR THE INTRODUCTION OF CERTIFICATE COURSE IN**  
**MATHEMATICS**

DATE: 17/12/2022

From  
Sri. S Abhilash Anand Kumar,  
Lecturer in Mathematics,  
Head of Department  
Govt. Degree College  
Pattikonda,  
Kurnool (Dt).

To  
The Principal,  
Govt. Degree College,  
Pattikonda  
Kurnool (Dt).

Respected Sir,

I would want to suggest that our college hold a certificate programme Arithmetic Fundamentals the demands of departing students are now more regularly communicated to the Department of mathematics. From the lowest to the highest levels of employment, Arithmetic Fundamentals has become fruitful to students. The Department of mathematics is excited to start the course taking into account all of these factors.

The details of the program are

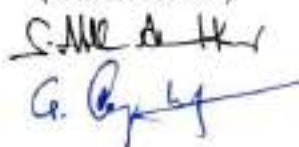
- |                                           |                           |
|-------------------------------------------|---------------------------|
| 1. Name of the proposed program           | : Arithmetic Fundamentals |
| 2. Duration and timings of the program    | : 45 Days                 |
| 3. Start date of the program              | : 02 January 2023         |
| 4. Course fee                             | : free                    |
| 5. No. of students expected for admission | : 25                      |



PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
Kurnool Dist A P

Yours faithfully

Head of the Department  
(Mathematics)



70 Meeting - 03

17/12/2022

We both lecturers met in the Dept. of Mathematics to discuss about "National Mathematics Day" celebrations like Conducting Essay writings, Elocution, Mathematics Rangoli Competitions for all the course students.

Topics

1. Essay Writing: Life History of Srinivasa Ramanujan
2. Elocution: Contribution of Srinivasa Ramanujan towards mathematics
3. Rangoli: Mathematics Rangoli (Two students per team with their own material).

It is resolved to start a Certificate Course in Arithmetic Fundamentals from 02-01-2023 to 27-02-2023.

S. M. A. K. C.

G. R. L.

DEPARTMENT OF MATHEMATICS  
Govt. Degree College,  
PATTIKONDA, Kurnool (Dist).

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S. M. A. K. C.

G. R. L.

DEPARTMENT

Govt. Degree

PATTIKONDA

G. R. L.

S. M. A. K. C.

DEPARTMENT OF MATHEMATICS  
Govt. Degree College,  
PATTIKONDA, Kurnool (Dist).



# Government Degree College, Pattikonda

## Department of Mathematics

Date: 17-12-2022

All the final year degree students are hereby informed that the Department of Mathematics is going to start a certificate course in Arithmetic Fundamentals the duration of the course is 45 days. Students need not pay any fee for the course. The classes will commence from 02-01-2023. Interested students are required to register their names in Mathematics Department. After successful completion of the course certificate will be provided to the students.

Coordinator  


DEPARTMENT OF MATHEMATICS  
Govt. Degree College,  
PATTIKONDA, Kurnool (Dist).

Copy to the Library Notice Board

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Copy for Circulation among the Students

# **A Certificate Course in Arithmetic**

## **Fundamentals**

### **SYLLABUS**

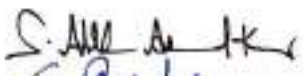

#### **Unit 1: Basic Arithmetic Operations**

1. Introduction to Arithmetic
  - Definition and scope of arithmetic
  - Importance of arithmetic in everyday life
2. Whole Numbers
  - Place value and number representation
  - Addition, subtraction, multiplication, and division of whole numbers
  - Properties of whole numbers
3. Fractions and Decimals
  - Introduction to fractions and decimals
  - Addition, subtraction, multiplication, and division of fractions and decimals
  - Conversion between fractions and decimals
4. Percentages
  - Understanding percentages
  - Calculation of percentages
  - Applications of percentages in real-life situations

#### **Unit 2: Problem Solving and Advanced Concepts**

1. Ratio, Proportion, and Proportional Reasoning
  - Introduction to ratios and proportions
  - Solving problems using ratios and proportions
  - Applications of proportional reasoning
2. Basic Algebraic Concepts
  - Introduction to variables and expressions
  - Simplification of algebraic expressions
  - Solving simple equations
3. Measurement
  - Units of measurement
  - Conversions between units
  - Perimeter, area, and volume calculations
4. Data Interpretation
  - Representation of data using graphs and charts
  - Analysis and interpretation of data

Note: This syllabus is designed to cover the fundamental concepts and skills in arithmetic. Depending on the duration and depth of the course, additional topics and exercises can be included to provide a comprehensive understanding of arithmetic.

  
  
DEPARTMENT OF MATHEMATICS  
Govt. Degree College,  
PATTIKONDA, Kurnool (Dist).

# Model question paper (2022-23)

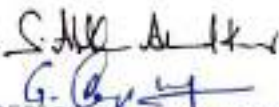
## Certificate Course in Arithmetic Fundamentals

Time 02:00 Hrs

Maximum Marks: 50

Each question carries a maximum of 2 marks, resulting in a total of 50 marks.

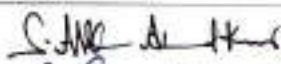
1. Simplify the expression:  $(4 + 7) \times 3 - 5$
2. Evaluate:  $12 \div (2 + 3)$
3. Calculate the product of 9 and the sum of 5 and 3.
4. Find the value of  $x$  in the equation  $2x + 5 = 17$ .
5. If 4 workers can complete a task in 6 days, how many days will it take 12 workers to complete the same task?
6. Calculate the area of a rectangle with length 8 cm and width 5 cm.
7. A store sells a product for \$35, which includes a profit of 20%. What is the cost price of the product?
8. Solve the equation for  $x$ :  $3x + 2 = 14$ .
9. Find the average of 3, 6, 9, 12, and 15.
10. If the selling price of an item is \$80 and the markup percentage is 25%, what is the cost price of the item?
11. Simplify the expression:  $2 + 3 \times 4 - 1$
12. Solve the equation for  $x$ :  $2(x + 3) = 16$ .
13. A car travels at a speed of 60 miles per hour. How far will it travel in 3.5 hours?
14. Find the missing number in the sequence: 2, 5, 8, \_\_, 14.
15. If the radius of a circle is 5 cm, what is its circumference? (Take  $\pi = 3.14$ )
16. Find the mode of the following set of numbers: 2, 4, 6, 4, 8, 4, 10.
17. If 3 pens cost \$2.40, what is the cost of 5 pens?
18. Simplify the expression:  $6 \div (2 + 1) \times 4$
19. Solve the equation for  $x$ :  $3(x - 2) = 21$ .
20. A box contains 15 red balls and 10 blue balls. What is the probability of selecting a blue ball?
21. Calculate the cube of 5.
22. Find the missing number in the sequence: 12, 24, 36, \_\_, 60.
23. If the circumference of a circle is 31.4 cm, what is its diameter? (Take  $\pi = 3.14$ )
24. Solve the equation for  $x$ :  $2x + 3 = 11$ .
25. A car travels at an average speed of 55 miles per hour. How long will it take to travel a distance of 165 miles?

  
G. Gayathri  
DEPARTMENT OF MATHEMATICS  
Govt. Degree College,  
PATTIKONDA, Kurnool (Dist).



# List of students Registered for Basic Arithmetic 2022-23

| S.No | Register Number | Admission Number | Name of the Students   |
|------|-----------------|------------------|------------------------|
| 1    | 20362048001     | 5600             | KUMMARI ASHOK KUMAR    |
| 2    | 20362048002     | 5684             | GADDA ASHOK KUMAR      |
| 3    | 20362048005     | 5591             | BOYA NAGARAJU          |
| 4    | 20362048008     | 5601             | KURUVA RAMA CHANDRA    |
| 5    | 20362048013     | 5589             | AVARAPU VEERESH        |
| 6    | 20360048009     | 5633             | MALLE HARI CHANDANA    |
| 7    | 20360048010     | 5634             | MALLE HARSHITHA        |
| 8    | 20360048012     | 5608             | BANA KALPANA           |
| 9    | 20360048014     | 5609             | BARIKI LATHA           |
| 10   | 20360048020     | 5625             | HOSURU PRASHANTHI      |
| 11   | 20360048025     | 5621             | GOLLA RAMESH           |
| 12   | 20360048028     | 5605             | ACHUKATLA SHAINAZ      |
| 13   | 20360048032     | 5641             | SHAIK SUBHAN           |
| 14   | 20360048036     | 5631             | MADIGA VEERESHAMMA     |
| 15   | 20375048001     | 5667             | MULLA AISHA BANU       |
| 16   | 20375048002     | 5673             | SIDDAVATAM AJAM BASHA  |
| 17   | 20375048008     | 5679             | VARTHE GANGOTHR        |
| 18   | 20375048009     | 5672             | PINJARI UAZ AHAMMAD    |
| 19   | 20375048019     | 5676             | UPPARA PRASANTHI       |
| 20   | 20375048020     | 5669             | NENAVATH RAJESWARI BAI |
| 21   | 20358048002     | 5569             | KURUVA ANURADHA        |
| 22   | 20358048003     | 5553             | GADI CHANDRASHEKAR     |
| 23   | 20358048013     | 5541             | BATTINI MALLESWARI     |
| 24   | 20358048022     | 5571             | KURUVA PAVITHRA        |
| 25   | 20358048032     | 5547             | CHAKALI SRIKANTH       |

  
 G. Jayaram  
 DEPARTMENT OF MATHEMATICS  
 Govt. Degree College,  
 PATTIKONDA, Kurnool (Dist).



# Government Degree College

Pattikonda, Kurnool-518380, A.P.  
Affiliated to Rayalaseema University (RU) Kurnool  
Re-Accredited By NAAC with 'B' Grade

*Department of Mathematics*

## Certificate Of Participation

This is to certify that Mr./Miss./Mrs. \_\_\_\_\_  
studying \_\_\_\_\_ successfully completed 'A Certificate Course in  
Arithmetic Fundamentals 'Organized by Department of Mathematics, Government Degree  
College, Pattikonda, Kurnool(Dt) held from 02-01-2023 to 27-02-2023.

Coordinator

Principal



All New

# REGISTER

Of

OFFICE  
ATTENDANCE

2022 - 23

Name ..... DEPARTMENT OF  
..... MATHEMATICS  
..... CERTIFICATE COURSE

Srinivasa®



# Attendance

## Register

Month **JANUARY**  
Year **2023**

| Sl. No. | NAME              | Designation | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | Remarks |
|---------|-------------------|-------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---------|
| 1.      | K. Ashok Kumar    |             | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |         |
| 2.      | G. Ashok Kumar    |             | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |         |
| 3.      | B. Nagaraja       |             | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |         |
| 4.      | K. Radha Chandana |             | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |         |
| 5.      | A. Veeresh        |             | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |         |
| 6.      | M. Hosi Chandana  |             | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |         |
| 7.      | M. Harishitha     |             | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |         |
| 8.      | B. Kalpana        |             | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |         |
| 9.      | B. Lalha          |             | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |         |
| 10.     | H. Prashanthi     |             | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |         |
| 11.     | G. Ramesh         |             | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |         |
| 12.     | A. Shobha         |             | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |         |
| 13.     | S. Subhan         |             | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |         |
| 14.     | M. Veerashamma    |             | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |         |
| 15.     | M. Alsha Banu     |             | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |         |
| 16.     | S. Alam basha     |             | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |         |
| 17.     | V. Ganeshthal     |             | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |         |
| 18.     | P. Huz channad    |             | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |         |
| 19.     | U. Prasanthi      |             | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |         |
| 20.     | N. Rajeswar Bar   |             | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |         |
| 21.     | K. Anusudha       |             | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |         |
| 22.     | G. Chandrashekan  |             | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |         |
| 23.     | B. Molleswar      |             | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |         |
| 24.     | K. Jayathima      |             | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |         |
| 25.     | C. Sarikanth      |             | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |         |

SUNDAY

SEASATURDAY

SUNDAY

MONDAY

TUESDAY

WEDNESDAY

THURSDAY



### Attendance

| S. No. | NAME             | Designation | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|--------|------------------|-------------|---|---|---|---|---|---|---|---|---|----|
| 1.     | K. Ashok kumar   |             | X | X | X | 0 | X |   | X | X | X | X  |
| 2.     | G. Ashok kumar   |             | X | 0 | X | X | 0 |   | X | X | X | X  |
| 3.     | B. nagaraju      |             | X | X | X | X | X |   | X | 0 | X | X  |
| 4.     | K. Rama chandra  |             | X | X | 0 | X | X |   | X | X | X | X  |
| 5.     | A. venesh        |             | X | X | X | 0 | X |   | X | X | X | 0  |
| 6.     | M. raja chandana |             | X | 0 | X | X | X |   | X | X | X | X  |
| 7.     | M. dashitha      |             | 0 | X | X | X | X |   | X | X | X | X  |
| 8.     | B. krishna       |             | X | X | X | 0 | X |   | X | X | X | X  |
| 9.     | B. latha         |             | 0 | X | X | X | X |   | 0 | X | X | X  |
| 10.    | H. prasanth      |             | X | X | X | X | X |   | X | X | X | 0  |
| 11.    | G. Ramesh        |             | X | X | X | X | 0 |   | X | X | X | X  |
| 12.    | A. chandra       |             | X | X | X | X | X |   | 0 | X | X | X  |
| 13.    | S. subham        |             | X | X | X | X | X |   | X | 0 | X | X  |
| 14.    | M. Vasanthamma   |             | X | X | X | X | 0 |   | X | X | X | 0  |
| 15.    | M. Asha banu     |             | X | X | X | X | X |   | X | X | X | X  |
| 16.    | S. Alom basha    |             | X | X | X | X | X |   | X | X | X | X  |
| 17.    | V. Ganapathi     |             | X | X | X | 0 | X |   | X | X | X | 0  |
| 18.    | P. Uq Ahmed      |             | X | X | X | X | X |   | X | X | X | X  |
| 19.    | V. prasanth      |             | X | X | X | X | X |   | 0 | X | X | X  |
| 20.    | M. Rajeswar bar  |             | X | X | 0 | X | X |   | X | X | X | X  |
| 21.    | K. Anandha       |             | X | X | X | X | X |   | 0 | X | X | X  |
| 22.    | G. Chandrashekar |             | X | X | X | X | X |   | X | X | X | X  |
| 23.    | B. Nageswari     |             | X | X | X | X | 0 |   | X | X | X | X  |
| 24.    | K. pavithra      |             | X | X | X | X | X |   | X | X | X | X  |
| 25.    | C. Sathish       |             | X | X | X | X | X |   | 0 | X | X | X  |

## Register

Month: FEBRUARY

Page 2013

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Government Degree College, Pattikonda  
Department of Mathematics  
Final Report of Certification Course in Arithmetic  
fundamentals

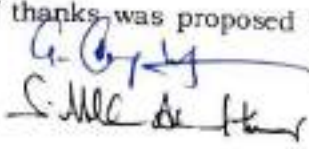
Everyday Mathematics was developed by the Department of Mathematics with the help of the Principal, for the College's students. By offering a certificate course in Arithmetic fundamentals for 45 days, the Department of Mathematics has made a modest start in its effort to teach and enhance the students with practical knowledge. The primary goal of the course, as previously decided, was to impart Mathematics knowledge to the departing pupils. The demands of the final year students are taken into consideration when creating the course's fundamental framework. The aforementioned course began on January 02, 2023, and ended on February 27, 2022. The pupils' response was very positive. The Seminar Hall was crowded with eager students for its first presentation.

The principal, Dr. R Madhuri, spoke to the students and informed them of the significance of technology in both the daily life and Competitive life. He also praised the work of the department of Mathematics and complimented Sri. S Abhilash Anand Kumar HOD, who served as the course's architect. The course had a high turnout of students. Regular attendance for the classes, which ran from 05.00 PM to 6:30 PM, was 25 students.

The sessions were engaging, educational, and fascinating. The students were able to comprehend how to learn and understand Mathematics with the use of hands-on activities, seminars, quizzes, suggested books, and engaging exercises. The pupils' confidence level was raised via brainstorming sessions, discussions, group exercises, and impromptu presentations. The complete course took place; The Course ran its entire course of 45 days and also took informal inputs from the students for making the course better next time.


After the successful completion of the said Certificate course, a valedictory function was held on 27<sup>th</sup> February 2023. The Principal of the College graced the occasion. The meeting was presided over by the HOD, Sri. S Abhilash Anand Kumar. Vote of thanks was proposed by other members.

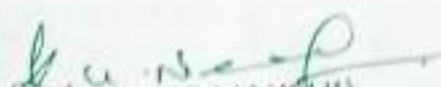
  
PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
Kurnool Dist A P

  
DEPARTMENT OF MATHEMATICS  
Govt. Degree College,  
PATTIKONDA, Kurnool (Dist).



GOVT DEGREE COLLEGE  
PATTIKONDA, KURNOOL (Dt)  
DEPARTMENT OF CHEMISTRY  
CERTIFICATE COURSE IN COSMETICS  
2022-2023

  
(Sri.B.KRUPENDER REDDY)  
Lecturer in Charge  
CONVENER of Chemistry  
GOVT DEGREE COLLEGE  
PATTIKONDA, KURNOOL

  
(Dr.K.G.NEERAJAKSHI)  
Lecturer in Charge  
CO-ORIGINATOR  
GOVT DEGREE COLLEGE  
PATTIKONDA, KURNOOL

  
PRINCIPAL

PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
Kurnool Dist A.P

# Government Degree College, Pattikonda

Accredited with "B" Grade by NAAC

Dr. R. Madhuri  
M.Sc., M.Phil., Ph.D.  
Principal



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Pattikonda, Kurnool - 508380  
Andhra Pradesh, India  
Phone : 08520 224588  
Email : pattikondagdc.jko@gmail.com  
Website : www.pattikondagdc.org

## PROPOSAL FOR THE INTRODUCTION OF CERTIFICATE COURSE IN **COSMETICS**

DATE : 16/11/2022

FROM  
B. KRUPENDER REDDY  
Lecturer in Chemistry  
Incharge of the Department  
(Govt. Degree College  
Pattikonda, Kurnool Dt.)

To  
The Principal,  
Govt. Degree College, Pattikonda  
Kurnool (Dt.)

Respected Sir/Madam,

I would want to suggest that our college hold a certificate programme COSMETICS. The demands of departing students are more regularly communicated to the Department of Chemistry. From the lowest to the highest levels of employment, COSMETICS has become helpful to students. The Department of Chemistry is excited to start the course taking into account all of these factors.

The details of the programme are

- |                                           |              |
|-------------------------------------------|--------------|
| 1. Name of the proposed programme         | : COSMETICS  |
| 2. Duration and timings of the programme  | : 40 Days    |
| 3. Start date of the programme            | : 25/11/2022 |
| 4. Course fee                             | : NIL        |
| 5. No. of students expected for admission | : 30         |

Yours Faithfully

LECTURER INCHARGE OF THE DEPARTMENT

Department of Chemistry  
GOVT. DEGREE COLLEGE,  
PATTIKONDA, Kurnool Dist.

GOVERNMENT DEGREE COLLEGE ,PATTIKONDA

DEPARTMENT OF CHEMISTRY

Minutes of the Department meeting for the conduct  
of Certificate Course in COSMETICS

DATE: 17/11/2022

The Department of Chemistry a leader in catering to student needs, has made the decision to widen opportunities for individuals graduating from our college. There is a considerable need for new graduates with practical skills due to the expanding job chemical industries, which has been particularly visible in the Laboratory sector. With the straight forward objective of equipping graduating students with the requisite practical experiment abilities, the Department of Chemistry has taken the initiative to provide a Certificate Course in COSMETICS On 17/11/2022, The Department of Chemistry held a meeting with its members on the College's property. The conference was led by the department in charge B. Krupender Reddy and attended by Dr. K.G. Neerajakshi and Sri. A. Veeranjanyulu lecturers in Chemistry. The Department unanimously decided to organize the certificate Course in COSMETICS for degree seeking students at our college with the lecturers serving as the course instructors and the Department in charge serving as chairman .As promised the Certificate Course would span 40 days.

1.Sri B.Krupender Reddy, In charge of the Department

2. Dr.K.G.Neerajakshi, Lecturer in Chemistry

3.Sri .A.Veeranjanyulu, Lecturer in Chemistry

  
PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
Kurnool Dist A P




GOVERNMENT DEGREE COLLEGE, PATTIKONDA  
DEPARTMENT OF CHEMISTRY

Circular

DATE: 19/11/2022

All the B.Sc (MPC& BZC ) final year Degree students are hereby informed that the Department of Chemistry is going to start a certificate course in COSMETICS . The duration of course is 40 days .Students need not pay any fee for the course .The classes will commence from 25/11/2022. Interested students are required to register their names in the Chemistry Department. After successful completion of the course certificate will be provided to the students.

  
Coordinator  
Lecturer in Charge  
Department of Chemistry  
GOVT. DEGREE COLLEGE,  
PATTIKONDA, Khammam Dist.

Copy to the Library Notice Board

Copy to the Notice Board

Copy for Circulation among the students

**GOVERNMENT DEGREE COLLEGE ::PATTIKONDA  
DEPARTMENT OF CHEMISTRY**

**CERTIFICATE COURSE IN COSMETICS**

**SYLLABUS**

**THEORY-30hrs**

**UNIT-1**

**Cosmetic product solutions**

**10hrs**

Most cosmetic formulas are combinations of multiple ingredients. When you put them together in the same container a few things can happen.

- Reactions – ingredients react and form a completely new material.
- Non-uniform mixture - they just mix together in a non-uniform way.
- Homogenous mixture – they mix together in a uniform way.

Powdered cosmetics are non-uniform mixtures. The solid particles are mixed together but are not evenly distributed (even though to your eyes they may appear to be). Your goal is to get them to mix together as evenly as possible but it is difficult with large sized particles.

Most cosmetics are near homogenous mixtures. Suspension is the term used to refer to solutions with large particles (bigger than 500nm). Some liquid foundations are an example of this. You have to shake it to get it to disperse evenly. When the particles are smaller say 2 – 500 nm, they create a colloid mixture. These particles are small enough that they don't easily fall out of solution. Creams, also called emulsions, are examples of colloid mixtures. Making these stable is one of the most important tasks of the cosmetic formulator.

Solutions are mixtures with particle sizes smaller than 2 nm. There are some basic principles of solutions helpful to understand. First, there is the components of a solution.

- Solvent - The highest concentration material in which things are dissolved.
- Solute - The ingredients that are dissolved in the solvent.

When you put sugar in water, the water is the solvent and the sugar is the solute. The amount of sugar refers to the concentration.

*Le... in Charge*  
Department of Chemistry  
GOVT. DEGREE COLLEGE  
PATTIKONDA, PATTIKONDA Dist.

## UNIT-2

### pH of a system

10hrs

Another important chemistry concept formulators encounter is pH. pH is simply a number that represents the concentration of the hydrogen ions in an aqueous (water) solution. If you were take the pH of pure water at 25°C, the pH would be 7.0.

Some factors that affect the pH include the solution temperature and the other molecules in the solution. Pure water has a pH of about 7.0. Adding an acid will reduce the pH. Adding a base or alkaline material, will increase the pH.

When making cosmetics, the pH is important for both helping determine the quality of the batch and for product functionality. Some products work better at a lower pH. For example, hair conditioners work better at a pH of between 4.0 – 5.0. Regular shampoos work better at a pH between 5.0 – 6.0. Some preservatives work at low pHs but not at higher pHs. Of course, it depends on the specific formulation, but this is why pH is an important concept.

## UNIT-3

10hrs

### Other Chemistry terms useful for formulators

**Viscosity** – This term refers to the rheology or thickness of a material. In formulating we will use viscosity as a way to determine the final characteristics and quality of your finished formula. If the liquid can flow, then it will have some viscosity measurement.

**Emulsion** – a mixture of oil and water held together using emulsifiers. Emulsions are also called colloid mixtures. They are a common type of cosmetic formula form.

**Polymers** – Polymers are a special type of material made up repeating molecular units called monomers. They can be very large molecules.

**Proteins** – Proteins are made up of molecular units called amino acids. They are typically from a living material such as a plant or animal.

Lecturer In Charge  
Department of Chemistry  
G. B. DEODAS COLLEGE,  
PATILKONDA, Kurnool Dist.

DEPARTMENT OF CHEMISTRY



## DEPARTMENT OF CHEMISTRY

Students List Registered for Certificate Course (III M.P.C.B.Z.C &amp; A.C.T.):2022-23

| S.No | NAME OF THE STUDENT |
|------|---------------------|
| 1    | A. Ashok Kumar      |
| 2    | G. Ashok Kumar      |
| 3    | B. Nagesh           |
| 4    | K. Rama Chandra     |
| 5    | C. Sudarshan        |
| 6    | A. Veenesh          |
| 7    | M. Anika Banu       |
| 8    | S. Ajam Banu        |
| 9    | V. Balakrishna      |
| 10   | M. Bhavana          |
| 11   | M. Chandra Shekar   |
| 12   | P. Iqaz Ahammad     |
| 13   | C. Mahesh           |
| 14   | A. Manika           |
| 15   | M. Nara Bamma       |
| 16   | N. Rajeswari Pri    |
| 17   | B. Sureshwar        |
| 18   | N. Ankit            |
| 19   | K. Anuradha         |
| 20   | G. Himabindu        |
| 21   | K. Janaki           |
| 22   | J. Karishma         |
| 23   | K. Nagesh           |
| 24   | A. Nandini          |
| 25   | M. Narasimulu       |
| 26   | V. Padmayathi       |
| 27   | K. Pavithra         |
| 28   | T. Rajeswari        |
| 29   | V. Rajeswari        |
| 30   | D. Vannurbee        |

Lecturer in Charge  
Department of Chemistry  
GOVT. DEGREE COLLEGE  
PARTHURU, RAIPUR

ఉపాధ్యాయుల హాజరుపట్టి

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A.Y: 2022-23

## Teacher's Attendance Register

| Sl. No. | NAME of the Student | 03/01 | 04/01 | 05/01 | 06/01 | 07/01 | 08/01 | 09/01 | 10/01 | 11/01 | 12/01 | 13/01 | 14/01 |
|---------|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 8001    | A. Ashok Kumar      | X     |       | X     | X     |       |       |       |       | X     | X     | X     |       |
| 8002    | G. Ashok Kumar      |       |       |       |       | X     |       |       |       | X     | X     | X     |       |
| 8003    | B. Nigamathi        | X     | X     | X     | X     | X     |       |       |       | X     |       | X     |       |
| 8004    | K. Ramachandra      | X     | X     |       |       |       |       |       |       |       | X     | X     |       |
| 8005    | C. Sudharshan       |       | X     | X     | X     | X     |       |       |       | X     | X     |       |       |
| 8006    | A. Veeresh          | X     |       |       |       | X     |       |       |       | X     | X     | X     |       |
| 8007    | M. Alsha Banu       | X     | X     | X     | X     | X     |       |       |       |       | X     | X     |       |
| 8008    | S. Alham Bappa      |       | X     |       |       |       |       |       |       | X     | X     | X     |       |
| 8009    | V. Anilkrishna      | X     | X     | X     | X     | X     |       |       |       | X     | X     | X     |       |
| 8010    | M. Bhavana          | X     |       |       | X     | X     |       |       |       | X     | X     | X     |       |
| 8011    | M. Chandrasekhar    | X     | X     | X     | X     | X     |       |       |       |       | X     | X     |       |
| 8012    | P. Jagannathan      |       | X     |       |       |       |       |       |       | X     | X     | X     |       |
| 8013    | C. Mahesh           |       | X     | X     | X     | X     |       |       |       | X     | X     | X     |       |
| 8014    | A. Manjula          |       | X     |       | X     | X     |       |       |       | X     | X     | X     |       |
| 8015    | M. Nageswara        | X     | X     | X     | X     | X     |       |       |       |       | X     | X     |       |
| 8016    | N. Rajeshwari       | X     | X     | X     | X     | X     |       |       |       | X     | X     | X     |       |
| 8017    | G. Sureshwar        | X     |       | X     | X     | X     |       |       |       | X     | X     | X     |       |
| 8018    | N. Ankithe          |       | X     | X     | X     | X     |       |       |       | X     | X     | X     |       |
| 8019    | K. Anuradha         |       | X     | X     | X     | X     |       |       |       | X     | X     | X     |       |
| 8020    | G. Mahabandhu       |       | X     | X     | X     | X     |       |       |       | X     | X     | X     |       |
| 8021    | E. Janaki           |       | X     |       | X     | X     |       |       |       | X     | X     | X     |       |
| 8022    | J. Jagannath        |       | X     | X     | X     | X     |       |       |       | X     | X     | X     |       |
| 8023    | K. Nagendra         |       | X     | X     | X     | X     |       |       |       | X     | X     | X     |       |
| 8024    | R. Nandini          |       | X     |       | X     | X     |       |       |       | X     | X     | X     |       |
| 8025    | M. Pragasanth       |       | X     | X     | X     | X     |       |       |       | X     | X     | X     |       |
| 8026    | V. Radhika          |       | X     | X     | X     | X     |       |       |       | X     | X     | X     |       |
| 8027    | K. Parvathi         |       | X     | X     | X     | X     |       |       |       | X     | X     | X     |       |
| 8028    | T. Rajeshwari       |       | X     | X     | X     | X     |       |       |       | X     | X     | X     |       |
| 8029    | V. Rajeshwari       |       | X     | X     | X     | X     |       |       |       | X     | X     | X     |       |
| 8030    | D. Vennur           |       | X     | X     | X     | X     |       |       |       | X     | X     | X     |       |



GOVERNMENT DEGREE COLLEGE::PATTIKONDA

Model question paper

Certificate Course on COSMETICS

TIME: 2 HOURS

Max Marks : 50

3X10 =30 M

Section -A

Answer any THREE questions

EACH QUESTION CARRIES 10 MARKS

- 1.
- 2.
- 3.
- 4.
- 5.


Section-B

Answer any FOUR questions

4X5=20 M

EACH QUESTION CARRIES 5 MARKS

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.

  
Lecturer in-Charge  
Department of Chemistry  
GOVERNMENT DEGREE COLLEGE, PATTIKONDA

DEPARTMENT OF CHEMISTRY

GOVERNMENT DEGREE COLLEGE, PATTIKONDA  
DEPARTMENT OF CHEMISTRY

Final Report of Certificate course in COSMETICS

Good quality management begins with sourcing reliable ingredients and materials from trusted suppliers, testing those ingredients to ensure their safety, adhering to strict manufacturing and storage processes, documenting all procedures thoroughly, and monitoring product quality throughout its lifespan.

Quality management processes help companies to ensure that their products meet all safety and quality standards, as well as customer expectations. Quality management processes in the cosmetics industry should include both preventative and corrective measures, such as identifying potential hazards related to the production process, training personnel on the proper handling of ingredients, testing for product consistency and stability, verifying labeling accuracy, and proper packaging practices.

The cosmetics industry has a responsibility to provide customers with safe and effective products. Quality management is essential for ensuring this goal is achieved.

Good quality control practices must be implemented throughout the production process, from raw material sourcing to packaging and labeling. This includes testing ingredients for safety, conducting microbial testing prior to the release of any product, and establishing appropriate shelf life limits for all cosmetic items.

Additionally, manufacturers should ensure that their suppliers meet stringent standards in order to guarantee the highest quality final product.

Hence, Department of chemistry has decided to introduce certificate course in COSMETICS to enhance proficiency and practical knowledge in COSMETICS, with the humble intention of imparting necessary knowledge in COSMETICS and quality parameters of COSMETICS to the outgoing students. The certificate course was conducted for a period of 40 days with 30 hrs of theory and 15 hrs of practicals from 4.00 PM to 5.00 PM after the college hours.

  
Lecturer in-Charge  
Department of Chemistry  
GOVT. DEGREE COLLEGE,  
PATTIKONDA, Kurnool  
INCHARGE OF THE DEPARTMENT







# GOVERNMENT DEGREE COLLEGE

PATTIKONDA, KURNOOL-518380. A.P.

AFFILIATED TO RAYALASEEMA UNIVERSITY (RU) KURNOOL

RE-ACCREDITED BY NAAC WITH 'B' GRADE

## Department of Chemistry

# Certificate Of Participation

This is to certify that Mr./Miss./Mrs. \_\_\_\_\_ studying

\_\_\_\_\_ successfully completed ' \_\_\_\_\_

Organized by Department of Chemistry, Government Degree College, Pattikonda,  
Kurnool(Dt) held from 25/11/2022 to 13/01/2023.

  
Lecturer In-Charge  
Department of Chemistry  
**Coordinator** COLLEGE,  
PATTIKONDA, Kurnool Dist.

  
PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518380  
Kurnool Dist. A.P.



# Government Degree College

Accredited By NAAC with 'B' Grade

Pattikonda, Kurnool (Dt), A.P. 518380.



Dr. R. Madhuri, M.Sc., M.Phil., Ph.D.

Principal,

From

Sri. K.G. Subash

Lecturer-in-Aqua Culture Technology

Govt. Degree College, Pattikonda

Kurnool (Dt).

To

The Principal

Govt. Degree College

Pattikonda, Kurnool (Dt).


Respected Madam,

The Department of Aquaculture Technology will hold a certificate course; Aquaculture Diagnostic Tools course is in response to the demand of departing students. This course now regularly demands from the lowest to the highest levels of employment and which beneficial to students. The Department of A.C.T is enthusiastic about starting the course, considering all of these factors. Details of the program will be provided.

1. Name of the proposed programme : A Certificate course in Aquaculture Diagnostic Tools
2. Duration and timings of the program : 45 days
3. Start date of the program : 01-12-2022 to 27-01-2023
4. Course fee : free
5. No. of students expected for admission : 25

Yours faithfully

  
Dr. R. MADHURI, M.Sc., M.Phil., Ph.D.,  
PRINCIPAL  
Government Degree College  
PATTIKONDA, Kurnool Dist., A.P.

  
Head of Department A.C.T  
K.G. SUBASH, M.Sc., B.Ed.,  
Lecturer in Aquaculture Technology,  
GOVT. DEGREE COLLEGE,  
PATTIKONDA, Kurnool Dist., A.P.




# GOVERNMENT DEGREE COLLEGE PATTIKONDA

## DEPARTMENT OF AQUACULTURE TECHNOLOGY

DATE: 20/11/2022

### CIRCULAR

All the B.sc (A.C.T) III year degree students. Are hear by informed. That the Department of Aquaculture technology is going to start a certificate course in aquaculture diagnostic tools. The duration of course is 45 days. Students no need to pay any fee. For the course the classes will commence from 01/12/2022 to 27/01/2023. Interested students are required to register their names in aqua culture department. After successful completion of the course certificate will be provided to the students.

  
**COORDINATOR**  
**K.G. SUBASH**, M.Sc., B.Ed.,  
Lecturer in Aquaculture Technology,  
GOVT. DEGREE COLLEGE,  
PATTIKONDA-518380, Kurnool Dist.

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**GOVERNMENT DEGREE COLLEGE,  
PATTIKONDA**

**CERTIFICATE COURSE-2022-2023**

**CERTIFICATE COURSE**

**IN**

**AQUACULTURE DIAGNOSTIC TOOLS**

**COURSE COORDINATOR**

**SRI.K.G.SUBASH**

**Department of Aqua Culture Technology**

**GOVERNMENT DEGREE COLLEGE,PATTIKONDA**

## CONTENTS

1. Minutes of the meeting
2. Course Objectives, Syllabus & Examination scheme
3. Other details

✦ inauguration

✦ list of students enrolled for the certificate course

✦ student attendance particulars

✦ marks obtained

✦ valedictory photos & conclusion

### Minutes of the Meeting

The Department of Aqua culture technology held a meeting on 28-11-2022 and passed a resolution to organize Certificate Course in Ornamental fish farming under the guidance of Dr. Md. Osman Ahmed the other staff members of the Department was present in the meeting. The course was planned to be held for 40 working hours.

The certificate course was organized from 01-12-2022 to 27-01-2023 for the academic year 2022-2023 to the III BSc (Aqua culture technology) students for curriculum enrichment.

  
**K.G. SUBASH**, M.Sc., B.Ed.,  
Lecturer in Aquaculture Technology,  
GOVT. DEGREE COLLEGE,  
PATTIKONDA-518 380, Kurnool Dist.



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**Syllabus**

1. Autoclave, Micropipette, Incubator, Centrifugation, Laminar Air Flow, Ph Meter, Orbital Shaker  
Principles and Usage in Laboratory Calorimeter, Spectrometer Principles, Applications and Usage
2. Water Analysis –Ph, Salinity, Alkalinity, Total hardness, Turbidity, Nitrites, Nitrates, Dissolved Oxygen and Ammonia
3. Soilanalysis –Physical and Chemical Parameters
4. Preparation of Different Types of Media-Soil And liquid Media and Procedure for Gram Staining
5. Collection, Preparation, and Dispatch of Aquaculture Samples to Laboratory For diseases Diagnosis
6. Bacterial Diagnosis Test
7. Virus Diagnosis Test
8. Antibiotic Residue Identification of Banned Chemicals in Aquaculture  
Demonstration

**Module 1: Introduction to Aquaculture and Aquaculture Diagnostic Tools**

**Total Hours:** 30

**Eligibility:** III B.SC aqua culture technology students are eligible to enroll for the course.

**No. of Seats:** 25

Quality Assurance Mechanism: The quality of the course will be ensured through continuous evaluation of feedback from students and course coordinator by IQAC of the college.

This proposal is placed before BOS committee for syllabus approval.

Committee Members

1. Sri.K.G.Subash

**List of Students Registered for certificate course 2022-23**  
**A Certificate Course in AQUACULTURE DIAGNOSTIC TOOLS**

| S.No | Name of the Students     | Remarks |
|------|--------------------------|---------|
| 1.   | Mulla Aisha Banu         |         |
| 2.   | Siddavatam Ajam Basha    |         |
| 3.   | Vadde Bala Krishna       |         |
| 4.   | Medam Bhavana            |         |
| 5.   | Mutyala Chandra Sekhar   |         |
| 6.   | Arava Durga Devi         |         |
| 7.   | Varthe Gangothi          |         |
| 8.   | Pinjari Ijaz Ahammad     |         |
| 9.   | Golla Basimi Kalyani     |         |
| 10.  | Kuruva Lakshmi           |         |
| 11.  | Gudise Lakshmi Narasimha |         |
| 12.  | Chakali Mahesh           |         |
| 13.  | Mangali Manasa           |         |
| 14.  | Mandusamanu Meghana      |         |
| 15.  | Arava Mounika            |         |
| 16.  | Madiga Narasamma         |         |
| 17.  | Uppara Prasanthi         |         |
| 18.  | Nenavath Rajeswari Bai   |         |
| 19.  | Thuppati Rupa            |         |
| 20.  | Mallela Seethamma        |         |
| 21.  | Uppara Shashikala        |         |
| 22.  | Bulleni Someswari        |         |
| 23.  | Mala Sravani             |         |
| 24.  | Ulliveni Sudhamani       |         |
| 25.  | Madiga Supriya           |         |

  
**K.G. SUBASH, M.Sc., B.Ed.,**  
Lecturer in Aquaculture Technology,  
GOVT. DEGREE COLLEGE,  
PATTIKONDA-518 303, Kurnool Dist.



designated areas. Notify the Lab in Charge of any sensitivity that you may have to particular chemicals. Keep the floor clear of all objects (e.g., ice, small objects, and spilled liquids). Never leave students or interns alone in the lab, one staff should be always present in the lab when students are working. Students and interns should not be allowed to touch sophisticated machines and equipment inside the lab.

### **Apparel in the Laboratory :**

Wear disposable gloves, as provided in the laboratory, when handling Chemicals preparation and procedure. Remove the gloves before exiting the laboratory. Wear a laboratory coat or chemical-resistant apron. Wear the Lab Slippers and remove the slippers before exiting the laboratory. Avoid wearing shirts exposing the torso, shorts, or short skirts; long pants that completely cover the legs are preferable.

### **Code of Conduct :**

Do not take esteries in the laboratory. Do not engage in practical jokes or boisterous conduct in the laboratory. Never run inside the laboratory. The use of personal audio or video equipment is prohibited in the laboratory. The performance of unauthorized experiments is strictly forbidden. Do not sit on laboratory benches.

### **Work Bench Manners :**

Keep work area neat and free of any unnecessary objects. Thoroughly clean your laboratory workspace at the end of the laboratory session. Do not block the sink drains with debris. Never block access to exits or emergency equipment. Inspect all equipment for damage (cracks, defects, etc.) prior to use, do not use damaged equipment. Never pour chemical waste into sink drains or wastebaskets. Place

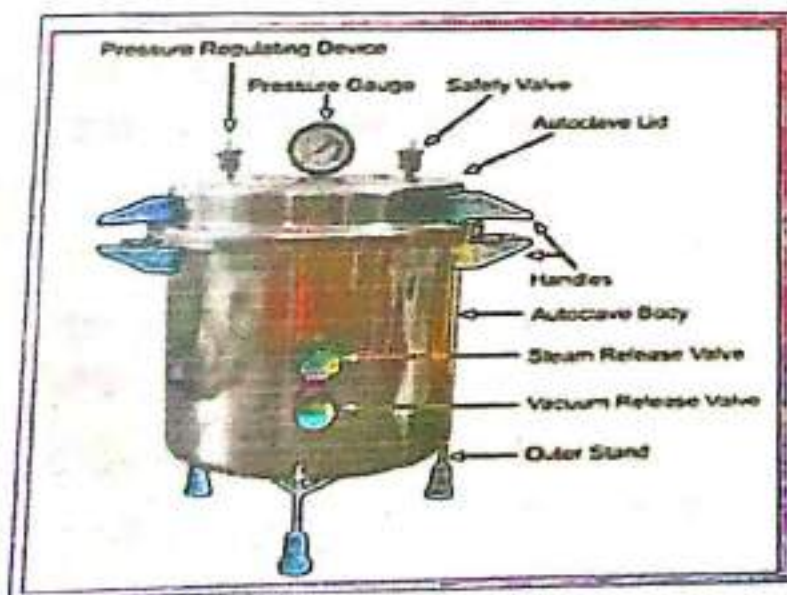


chemical waste in appropriately labelled waste containers/ dustbin. Properly dispose of broken glassware and other sharp objects (e.g., micro tips, syringe, blades etc.) immediately in designated containers. Properly dispose of weigh boats, gloves, filter paper, and paper towels in the laboratory.

## LAB EQUIPMENT, PRINCIPLE, APPLICATION, USAGE

### AUTOClave

An autoclave is a pressure chamber used to sterilize equipment and supplies by subjecting them to high pressure (15psi) saturated steam at 121°C for around 15-20 min depending on the size of the load and the contents.



## OPERATION

- Steam penetrates objects in the autoclave
- Condensation creates negative pressure and draws in additional steam
- Moist heat kills microorganisms via coagulation of proteins
- Two types of autoclaves
  1. Gravity Displacement
  2. Vacuum/Gravity assisted

## PREPARATION AND LOADING OF MATERIALS

- Prepared the material for autoclaving with indicator paper/tape
- Fill the bottom of autoclave with water, up to support.
- Place the material to be sterilized in the autoclave
  1. Always put bags of biological waste into pans to catch spills
  2. Position biohazard bags on their sides, with the bag neck taped loosely.
  3. Leave space between items to allow steam circulation.
- Once the expected temperature is reached, reduce the heat to maintain temperature.
- Don't touch the drainage tape or the outlets or safety valves while heating under pressure. when the required time is up, turn off the heating completely.
- When temperature falls below 100 °C, open the outlet valve slowly. don't leave outlet valve opened for too long
- Never unscrew the lid clamps and open the lid until the hissing sound has stopped.
- Leave the sterilized material to cool before removing it from autoclave.

## USES

- Autoclaves are capable of sterilising solids, liquids, hollows and other instruments that come in varying shapes and sizes.



## MICROPIPETTE

### Micropipettes



A micropipette is a common yet essential laboratory instrument used to accurately and precisely transfer volumes of liquid in the microliter range. Micropipettes are available in single-channel and multi-channel variants.

#### Types of micropipette:

Micropipettes can be classified depending upon:

#### Working Principle:

The plunger performs the following two functions-

#### Air Displacement Micropipette:

This type of micropipette works on the air displacement principle. It consists of a piston that aspirates and dispenses liquid samples as the air pocket moves up and down, respectively. The internal mechanism of the pipette does not come in direct contact of the sample/liquid. Instead, a disposable micropipette tip is used to draw the liquid into and dispense from the pipette.

#### Positive Displacement Micropipette:

In these pipettes, the piston comes in direct contact of the sample. The disposable tip in a positive displacement micropipette is a microsyringe composed of a capillary and a piston (movable inner part) which directly displaces the liquid.



## Volume/Capacity:

### Fixed Volume Micropipette:

In a Fixed Volume Micropipette, the volume of liquid to be aspirated or dispensed remains fixed. These micropipettes are used when the same volume of liquid is to be dispensed multiple times.

### Variable Volume Micropipette:

This micropipette comes with a specific minimum and maximum volume range. The volume of the liquid to be aspirated or dispensed can be adjusted (within the instrument's volume range) depending on the requirement of the user

### Operating the Micropipette

#### Step 1: Set the Volume

Position's 1.1 microliters

Volume Adjustment Knob




Digital Volume Indicator



### Operating the Micropipette

#### Step 1: (Continued) Read the Volume

How to Read the Volume Indicator



| 100 P-20 Model       | 100 P-200 Model     | 100 P-1000 Model   |
|----------------------|---------------------|--------------------|
| 0.04 µl to 0.2000 µl | 0.02 µl to 0.200 µl | 0.02 µl to 2.00 µl |

### Operating the micropipette

#### Step 2: Attach the Disposable Tip

Attaching the Disposable Tip




Example of tip sizes




### Operating the Micropipette

#### Step 3: Depress the Plunger to the First Stop



#### Step 4: Immerse Tip in Sample



#### Step 5: Draw up the sample

To aspirate the sample into the tip, allow the plunger to return slowly and smoothly to the fully extended UP POSITION. NEVER LET THE PLUNGER SNAP UP! This draws the exact calibrated volume into the tip & the tip remains below the liquid surface during withdrawal.

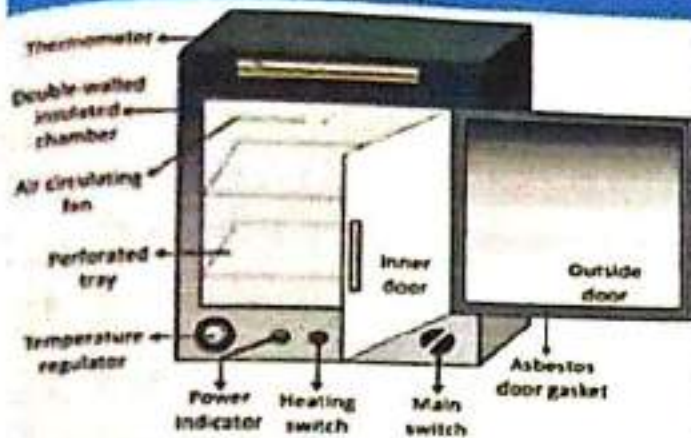
#### Step 6: Pause

Hold a few seconds to ensure that the liquid



# INCUBATOR

## Components of Bacteriological Incubator



An incubator is an insulated and enclosed device used in biological laboratories. It creates an optimum environment which is required for the growth of microorganisms by providing optimum temperature, humidity, and other environmental conditions such as the CO<sub>2</sub> and oxygen content inside's atmosphere. In laboratories, it is used to grow and maintain microbiological cultures or cell cultures. Both bacterial and eukaryotic cell organisms are cultivated by using an incubator.

## PRINCIPLE

- All incubators work based on a simple principle that microorganisms require an optimum environment for their growth and development. An incubator provides an optimum level of temperature, humidity, oxygen, and carbon dioxide so that the microorganism can multiply and increase their numbers.
- which are required for the growth of the organisms. In heating cycle, the thermostat increases the temperature of incubator whereas in the non-heating cycle the incubator is cooled by radiating heat to the surrounding. The cabinet contains an insulation system that separates it from the outside and allows the microbes to grow effectively.
- Similarly, the incubator also maintains the other parameters such as humidity, airflow, CO<sub>2</sub> concentration, pH, through different mechanisms.
- Some incubators also contain a shaker or aeration device which continuously shake the culture for cell aeration and solubility studies.



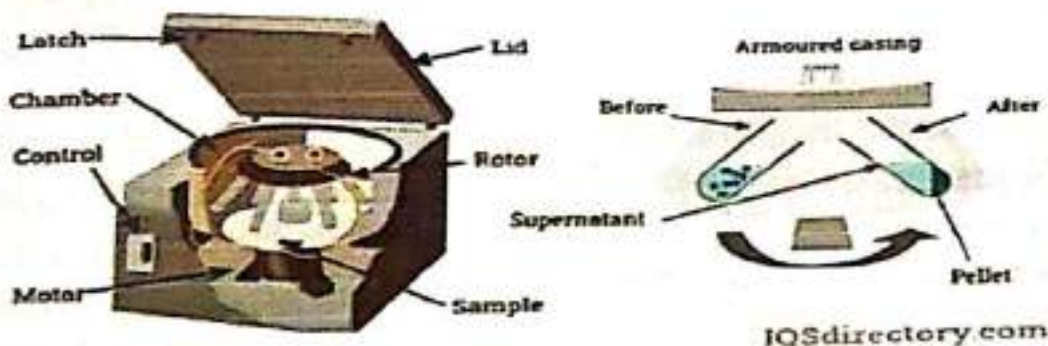
## APPLICATIONS

- ▣ In laboratories incubator is used for different purpose such as;
- ▣ Used to maintain the growth of different microbial cultures or cell cultures, which we can use in later.
- ▣ Sometimes they are used to enhance the growth rate of organisms.
- ▣ Some advanced incubators are used for the reproduction of microbial colonies and subsequent determination of biochemical oxygen demand.
- ▣ In zoology, they are also used for the breeding of insects and hatching of eggs.
- ▣ It also used to store different medical samples.

## CENTRIFUGATION

Centrifugation is a technique that can be utilized to separate the broken particles in a solution dependent on their density, size, consistency, or shape. In this technique, a radiating power is applied to the solution to separate the exceptionally thick segments of the solution for the segments that have generally low densities.

### Major parts in a Centrifuge



## PRINCIPLE

- ▣ In the laboratory centrifuge which uses sample tubes, the outspread speeding up tends to make denser particles settle down to the lower portion of the cylinder, whereas the low-density substances ascend to the top.

## APPLICATIONS

- ▣ Separation of mixtures with close densities.

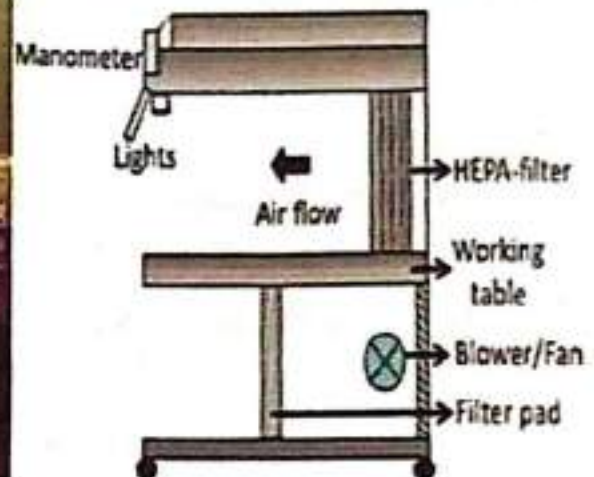


- Separate Immiscible liquids.
- Sediment suspended solids.
- Separation of blood.

## LAMINAR AIR FLOW



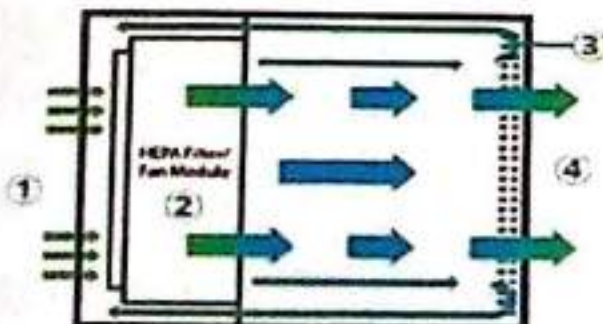
Horizontal Laminar Flow Cabinet



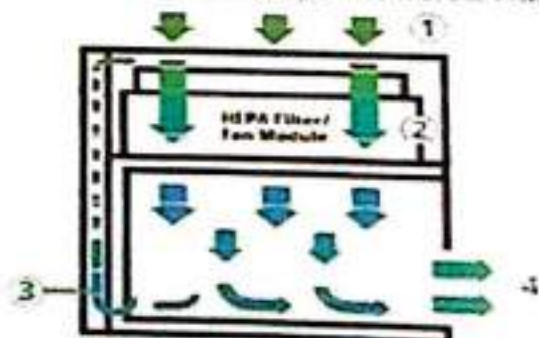
Laminar air flow also known as LAF is a device designed to prevent the equipment and working environment from particles. laminar air flow units create particlefree working environments by sucking air through a filtration system and exhausting it across a work surface in a laminar air stream. they provide an excellent clean air environment for a number of cleanroom requirements.

## TYPES OF LAMINAR FLOW CABIENT

Horizontal Laminar Flow Hood Diagram (Cutaway Side view)



Vertical Laminar Flow Hood Diagram (Cutaway Side view)



**Marks Obtained:**

| S.No | Name of the Student      | Marks Obtained |
|------|--------------------------|----------------|
| 1    | Mulla Aisha Banu         | 38             |
| 2    | Siddavatam Ajam Basha    | 38             |
| 3    | Vadde Bala Krishna       | 40             |
| 4    | Medam Bhavana            | 40             |
| 5    | Mutyala Chandra Sekhar   | 38             |
| 6    | Arava Durga Devi         | 40             |
| 7    | Varthe Gangothri         | 36             |
| 8    | Pinjari Ijaz Ahammad     | 40             |
| 9    | Golla Basimi Kalyani     | 38             |
| 10   | Kuruva Lakshmi           | 40             |
| 11   | Gudise Lakshmi Narasimha | 36             |
| 12   | Chakali Mahesh           | 38             |
| 13   | Mangali Manasa           | 38             |
| 14   | Mandusamanu Meghana      | 36             |
| 15   | Arava Mounika            | 38             |
| 16   | Madiga Narasamma         | 40             |
| 17   | Uppara Prasanthi         | 36             |
| 18   | Nenavath Rajeswari Bai   | 40             |
| 19   | Thuppati Rupa            | 34             |
| 20   | Mallela Seethamma        | 35             |
| 21   | Uppara Shashikala        | 34             |
| 22   | Bulleni Someswari        | 30             |
| 23   | Mala Sravani             | 30             |
| 24   | Uliveni Sudhamani        | 35             |
| 25   | Madiga Supriya           | 37             |

**Government Degree College, Pattikonda**  
Department of Aqua culture technology

**Conclusion:**

This certificate course was mainly carried out in our college to inculcate Research mind in Under Graduate students.

After the completion of certificate course students able to get knowledge about the Aquaculture Diagnostic Tools

**Thank you**

**Sri.K.G.Subash**

**Department of Aqua culture technology**

  
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PATTIKONDA-518360, Kurnool Dist.





## Government Degree College, Pattikonda

Pattikonda, Kurnool-518380, A.P.

Affiliated to Rayalaseema University (RU) Kurnool-

Re-Accredited By NAAC with 'B' Grade

# Department of Aqua Culture Technology

## Certificate of Participant

This Is To Certify That Mr./Miss./Mrs. \_\_\_\_\_ Studying \_\_\_\_\_ Success Fully

Completed 'A Certificate Course' organized By In Aquaculture Diagnostic Tools Department Of Aqua Culture Technology, Government

Degree College, Pattikonda, Kurnool (Dt) Held From 01-12-2022 To 27-01-2023.

**COORDINATOR**

**K.G. SUBASH**, M.Sc., B.Ed.,  
Lecturer in Aquaculture Technology,  
GOVT. DEGREE COLLEGE,  
PATTIKONDA-518380, Kurnool Dist.

**PRINCIPAL**

**Dr. R. MADHURI**, M.Sc., M.Phil., Ph.D.,  
**PRINCIPAL**  
Government Degree College  
PATTIKONDA, Kurnool Dist., A.P.



# **GOVERNMENT DEGREE COLLEGE PATTIKONDA**

**DEPARTMENT OF AQUACULTURE TECHNOLOGY**

**CERTIFICATE COURSE 2022-2023**





# REGISTER OF ATTENDANCE & FEES

Name of the Institute

G.D.C

## FOR THE MONTH OF

Dec/20

2022

Section

Place

Rath/Kowda

| Sl. No.              | Admission No. | NAMES                | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | No. of days Present | FEES<br>Rs. P. | Date of Payment |
|----------------------|---------------|----------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---------------------|----------------|-----------------|
| 1                    |               | M. Aisha Banu        | X | X | X |   | a | X | X | X | X | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  | X  | a  | X  | X  |    | X  | X  | a  | X  | X  | X  |                     |                |                 |
| 2                    |               | S. Ajam Basha        | X | X | X |   | X | X | a | X | X | X  |    | X  | X  | X  | a  | X  |    | X  | X  | X  | a  | X  |    | X  | X  | X  | X  | X  | X  | X  | X  |                     |                |                 |
| 3                    |               | Y. Bala Krishna      | a | X | X |   | X | X | X | X | X | X  |    | X  | X  | X  | X  |    | X  | a  | X  | X  | X  | X  |    | X  | X  | X  | X  | X  | X  | X  | X  |                     |                |                 |
| 4                    |               | M. Bhavana           | X | X | a |   | X | X | X | X | X | X  |    | X  | X  | X  | X  |    | X  | X  | X  | X  | X  |    | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |                |                 |
| 5                    |               | M. Chandra Sekhar    | X | X | X |   | X | X | X | X | X | X  |    | X  | X  | X  | X  |    | X  | X  | X  | X  | X  |    | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |                |                 |
| 6                    |               | A. Durga Devi        | X | X | X |   | X | X | X | X | X | X  |    | X  | X  | X  | X  |    | X  | X  | X  | X  | X  |    | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |                |                 |
| 7                    |               | V. Gangothri         | X | X | X |   | a | X | X | X | X | X  |    | X  | X  | X  | X  |    | X  | X  | X  | X  | X  |    | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |                |                 |
| 8                    |               | P. Dja3 Ahamed       | X | X | X |   | X | X | X | X | X | X  |    | X  | X  | X  | X  |    | X  | X  | X  | X  | X  |    | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |                |                 |
| 9                    |               | G.B. Kalyani         | X | X | X |   | a | X | X | X | X | X  |    | X  | X  | X  | X  |    | X  | X  | X  | X  | X  |    | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |                |                 |
| 10                   |               | K. Lakshmi           | X | X | X |   | X | X | X | X | X | X  |    | X  | X  | X  | X  |    | X  | X  | X  | X  | X  |    | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |                |                 |
| 11                   |               | K. Lakshmi Narasimha | X | X | X |   | X | X | X | X | X | X  |    | X  | X  | X  | X  |    | X  | X  | X  | X  | X  |    | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |                |                 |
| 12                   |               | C. Mahesh            | X | X | X |   | X | X | X | X | X | X  |    | X  | X  | X  | X  |    | X  | X  | X  | X  | X  |    | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |                |                 |
| 13                   |               | H. Manasa            | X | X | X |   | X | X | X | X | X | X  |    | X  | X  | X  | X  |    | X  | X  | X  | X  | X  |    | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |                |                 |
| 14                   |               | M. Meghana           | X | X | X |   | X | X | X | X | X | X  |    | X  | X  | X  | X  |    | X  | X  | X  | X  | X  |    | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |                |                 |
| 15                   |               | A. Moulika           | X | X | X |   | X | X | X | X | X | X  |    | X  | X  | X  | X  |    | X  | X  | X  | X  | X  |    | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |                |                 |
| 16                   |               | M. Narsamma          | X | X | X |   | X | X | X | X | X | X  |    | X  | X  | X  | X  |    | X  | X  | X  | X  | X  |    | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |                |                 |
| 17                   |               | U. Prashanthi        | X | X | X |   | X | X | X | X | X | X  |    | X  | X  | X  | X  |    | X  | X  | X  | X  | X  |    | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |                |                 |
| 18                   |               | N. Rajeshwari Bai    | X | X | X |   | X | X | X | X | X | X  |    | X  | X  | X  | X  |    | X  | X  | X  | X  | X  |    | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |                |                 |
| 19                   |               | T. Rupa              | X | X | X |   | X | X | X | X | X | X  |    | X  | X  | X  | X  |    | X  | X  | X  | X  | X  |    | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |                |                 |
| 20                   |               | H. Seethamma         | X | X | X |   | X | X | X | X | X | X  |    | X  | X  | X  | X  |    | X  | X  | X  | X  | X  |    | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |                |                 |
| 21                   |               | U. Shashikala        | X | X | X |   | X | X | X | X | X | X  |    | X  | X  | X  | X  |    | X  | X  | X  | X  | X  |    | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |                |                 |
| 22                   |               | B. Someshwari        | X | X | X |   | X | X | X | X | X | X  |    | X  | X  | X  | X  |    | X  | X  | X  | X  | X  |    | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |                |                 |
| 23                   |               | M. Sravani           | X | X | X |   | X | X | X | X | X | X  |    | X  | X  | X  | X  |    | X  | X  | X  | X  | X  |    | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |                |                 |
| 24                   |               | U. Sudhamani         | X | X | X |   | X | X | X | X | X | X  |    | X  | X  | X  | X  |    | X  | X  | X  | X  | X  |    | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |                |                 |
| 25                   |               | M. Supriya           | a | X | X |   | X | X | X | X | X | X  |    | X  | X  | X  | X  |    | X  | X  | X  | X  | X  |    | X  | X  | X  | X  | X  | X  | X  | X  | X  |                     |                |                 |
| Number Present Daily |               |                      | M |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                |                 |
|                      |               |                      | E |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                |                 |
| Initials             |               |                      | M |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                |                 |
|                      |               |                      | E |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |                |                 |

No. on roll at the beginning of month

Admitted during the month

Left No. on roll at end of month

No. of working days

Average Attendance during the month

No. on roll during the month

JBW





# REGISTER OF ATTENDANCE & FEES

## FOR THE MONTH OF

January 2023

Name of the Institute

Govt Degree College

Section

Place

Rathikonda

| Sl. No.              |  | Admission No. | NAMES                | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | Section |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | Place |     | No. of days Present | FEES |  | Date of Payment |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|----------------------|--|---------------|----------------------|---|---|---|---|---|---|---|---|---|----|----|----|---------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|-----|---------------------|------|--|-----------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|                      |  |               |                      |   |   |   |   |   |   |   |   |   |    |    |    |         | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31    | Rs. | P.                  |      |  |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1                    |  |               | M. Alisha Banu       | x | x | x | x | a | x |   |   | x | x  | x  | x  |         | x  |    |    |    | x  | x  |    |    |    |    |    |    |    |    |    |    |    |    |       |     |                     |      |  |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2                    |  |               | S. Ajam Batha        | x | a | x | x | x | x |   |   | x | x  | x  | x  |         | x  |    |    |    |    | x  | x  |    |    |    |    |    |    |    |    |    |    |    |       |     |                     |      |  |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3                    |  |               | V. Balu Krishna      | x | x | x | x | x | a |   |   | x | x  | x  | x  |         | x  |    |    |    |    | x  | x  |    |    |    |    |    |    |    |    |    |    |    |       |     |                     |      |  |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4                    |  |               | M. Bhavana           | a | x | x | x | x | x |   |   | x | x  | x  | x  |         | x  |    |    |    |    | x  | x  |    |    |    |    |    |    |    |    |    |    |    |       |     |                     |      |  |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5                    |  |               | M. Chandra Sekhar    | x | x | x | x | x | a |   |   | x | x  | x  | x  |         | x  |    |    |    |    | x  | x  |    |    |    |    |    |    |    |    |    |    |    |       |     |                     |      |  |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6                    |  |               | A. Durga Devi        | x | x | x | x | x | x |   |   | x | x  | x  | x  |         | x  |    |    |    |    | x  | x  |    |    |    |    |    |    |    |    |    |    |    |       |     |                     |      |  |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7                    |  |               | V. Gangothi          | a | x | x | x | x | x |   |   | x | x  | x  | x  |         | x  |    |    |    |    | x  | x  |    |    |    |    |    |    |    |    |    |    |    |       |     |                     |      |  |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8                    |  |               | P. Jais Ahamed       | x | x | a | x | x | x |   |   | x | x  | x  | x  |         | x  |    |    |    |    | x  | x  |    |    |    |    |    |    |    |    |    |    |    |       |     |                     |      |  |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9                    |  |               | G. B. Kalyani        | x | x | x | x | x | x |   |   | x | x  | x  | x  |         | x  |    |    |    |    | x  | x  |    |    |    |    |    |    |    |    |    |    |    |       |     |                     |      |  |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10                   |  |               | K. Lakshmi           | x | x | x | x | x | x |   |   | x | a  | x  | x  |         | x  |    |    |    |    | a  | x  |    |    |    |    |    |    |    |    |    |    |    |       |     |                     |      |  |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 11                   |  |               | K. Lakshmi Narasimha | x | x | x | a | x | x |   |   | x | x  | x  | x  |         | x  |    |    |    |    | x  | x  |    |    |    |    |    |    |    |    |    |    |    |       |     |                     |      |  |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 12                   |  |               | C. Mahesh            | x | x | x | x | x | x |   |   | x | x  | x  | x  |         | x  |    |    |    |    | x  | x  |    |    |    |    |    |    |    |    |    |    |    |       |     |                     |      |  |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 13                   |  |               | M. Manasa            | x | x | x | x | a | x |   |   | x | x  | x  | x  |         | a  |    |    |    |    | x  | x  |    |    |    |    |    |    |    |    |    |    |    |       |     |                     |      |  |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 14                   |  |               | M. Meghana           | x | x | x | x | x | x |   |   | x | x  | x  | x  |         | x  |    |    |    |    | x  | x  |    |    |    |    |    |    |    |    |    |    |    |       |     |                     |      |  |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15                   |  |               | A. Mounika           | a | x | x | x | x | x |   |   | x | x  | x  | x  |         | x  |    |    |    |    | x  | x  |    |    |    |    |    |    |    |    |    |    |    |       |     |                     |      |  |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 16                   |  |               | M. Narasimma         | x | x | x | x | x | x |   |   | x | x  | x  | x  |         | x  |    |    |    |    | x  | x  |    |    |    |    |    |    |    |    |    |    |    |       |     |                     |      |  |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 17                   |  |               | V. Prashanthi        | a | x | x | x | x | x |   |   | x | x  | x  | x  |         | x  |    |    |    |    | x  | x  |    |    |    |    |    |    |    |    |    |    |    |       |     |                     |      |  |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 18                   |  |               | N. Rajeshwari Bai    | x | a | x | x | x | x |   |   | x | a  | x  | a  |         | x  |    |    |    |    | x  | x  |    |    |    |    |    |    |    |    |    |    |    |       |     |                     |      |  |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 19                   |  |               | T. Rupa              | x | x | x | x | x | x |   |   | x | x  | x  | x  |         | x  |    |    |    |    | x  | a  |    |    |    |    |    |    |    |    |    |    |    |       |     |                     |      |  |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 20                   |  |               | M. Seethamma         | x | x | x | x | x | x |   |   | a | x  | x  | x  |         | x  |    |    |    |    | x  | x  |    |    |    |    |    |    |    |    |    |    |    |       |     |                     |      |  |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 21                   |  |               | V. Shashikala        | x | x | x | x | x | x |   |   | x | x  | x  | x  |         | x  |    |    |    |    | x  | x  |    |    |    |    |    |    |    |    |    |    |    |       |     |                     |      |  |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 22                   |  |               | B. Sureshwar         | x | x | x | x | x | x |   |   | x | x  | x  | x  |         | x  |    |    |    |    | x  | x  |    |    |    |    |    |    |    |    |    |    |    |       |     |                     |      |  |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 23                   |  |               | M. Sravani           | a | x | x | x | x | x |   |   | x | x  | x  | x  |         | x  |    |    |    |    | x  | x  |    |    |    |    |    |    |    |    |    |    |    |       |     |                     |      |  |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 24                   |  |               | V. Sudhamani         | x | x | x | x | x | x |   |   | x | x  | x  | x  |         | x  |    |    |    |    | x  | x  |    |    |    |    |    |    |    |    |    |    |    |       |     |                     |      |  |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 25                   |  |               | M. Supriya           | x | x | x | x | x | x |   |   | x | x  | x  | x  |         | x  |    |    |    |    | x  | x  |    |    |    |    |    |    |    |    |    |    |    |       |     |                     |      |  |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Number Present Daily |  |               |                      |   |   |   |   |   |   |   |   |   |    |    |    |         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |     |                     |      |  |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Initials             |  |               |                      |   |   |   |   |   |   |   |   |   |    |    |    |         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |     |                     |      |  |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

No. on roll at the beginning of month

Admitted during the month

Left No. on roll at end of month

No. of working days

Average Attendance during the month

No. on roll during the month

JBW

Government Degree College  
Pattikonda, Kurnool(Dt).

Department of Computer Science



A certificate course in  
**Python Programming**  
for the year 2022-2023




# Government Degree College, Pattikonda.

## Department of Computer Science

Date: 13-10-2022


All the final year degree students are hereby informed that the Department of Computer Science is going to start a certificate course in Python Programming. the duration of the course is 38 days. Students need not pay any fee for the course. The classes will commence from 17-10-2022. Interested students are required to register their names in Computer Science department. After successful completion of the course certificate will be provided to the students.


  
Coordinator  
Lecturer in Computer Science  
Govt. Degree College  
PATTIKONDA-518 380.  
Kurnool Dist. A.P

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Lecturer in Computer Science  
Govt. Degree College  
PATTIKONDA-518 380.  
Kurnool Dist. A.P

  
PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
Kurnool Dist A P



**GOVERNMENT DEGREE COLLEGE, PATTIKONDA**

**Proposal for the Introduction of Certificate**

**Course in  
Python Programming**

**Date: 10-10-2022**

**From  
P.Suryachandra,  
Lecturer in C.S,  
Head of Department  
Govt. Degree College  
Pattikonda, Kurnool (Dt).**

**To  
The Principal,  
Govt. Degree College, Pattikonda  
Kurnool (Dt).**

**Respected Sir,**


I would like to suggest that the department of Computer Science is going to organize a certificate Course in Python Programming basing on the demands of departing students. The Department of C.S is excited to start the course.


The details or the program are

- |                                           |                      |
|-------------------------------------------|----------------------|
| 1. Name of the proposed program           | : Python Programming |
| 2. Duration and timings of the program    | : 38 days            |
| 3. Start date of the program              | : October 2022       |
| 4. Course fee                             | : free               |
| 5. No. of students expected for admission | : 40                 |

**Yours faithfully**

**Head of Department Computer Science**

  
**Lecturer in Computer Science  
Govt. Degree College  
PATTIKONDA-518 380.  
Kurnool Dist. A.P**

  
**PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
Kurnool Dist A P**

# GOVERNMENT DEGREE COLLEGE, PATTIKONDA

## Department of Computer Science

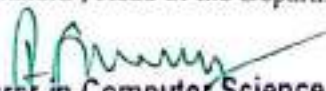
### Minutes of the Department meeting for the conduct of Certificate Course in Python Programming


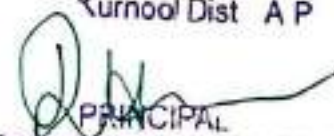
Date: 12-10-2022

The Department of Computer Science has made the decision to widen opportunities for individuals graduating from our College. There is a considerable need for graduates with Python Programming skills due to the expanding job market, which has been particularly visible in the globalized sector. With the straightforward objective of equipping graduating students with the requisite practical python programming skills, the Department of Computer Science has taken the initiative to provide a Certificate Course in Python Programming.

On 12-10-2022, the Department of Computer Science held a meeting with its members on the College's property. The conference was led by the department head, P.Suryachandra. The Department unanimously decided to organize the Certificate Course in Python Programming for degree-seeking students at our College, with the lecturers serving as the course instructors and the Department Head serving as chairman. As promised, the Certificate Course would span 40 days.

1. Sri P.Suryachandra , Head of the Department :

  
Lecturer in Computer Science  
Govt. Degree College  
PATTIKONDA-518 380.  
Kurnool Dist. A.P

  
Principal  
PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
Kurnool Dist A P  
  
Principal  
PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
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# A Certificate Course In Python Programming

## SYLLABUS

### UNIT-1

- Introduction to Programming Concepts, Writing Algorithms and drawing Flowcharts.
- Introduction to data, concept of variables and their scope, different operators, and their usage.
- Introduction to Python as a programming language and using PyCharm

### UNIT-2

- Writing Simple Python Programs using variables, operators, and input/ output statements
- Conditional Statements

### UNIT-3

- Looping Constructs: While loop
- Looping Constructs: For loop
- Python for Data Science


  
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# List of students Registered for Python Programming 2022-23

| Adm.No | Name of the Students        |
|--------|-----------------------------|
| 5605   | Achukatla Shainaz           |
| 5606   | Arekanti Anjaneyulu         |
| 5607   | Bandala Chandra Mohan       |
| 5608   | Bana Kalpana                |
| 5609   | Barika Latha                |
| 5610   | Bogimi Mahalakshmi          |
| 5614   | Cheruvu Ramesh              |
| 5615   | Chevula Anitha              |
| 5616   | Chinna Musali Chakradhar    |
| 5618   | Dudekonda Chandrakala       |
| 5619   | Ediga Nagalakshmi           |
| 5621   | Golla Ramesh                |
| 5622   | Gunthakanti Venkatesh       |
| 5623   | Harijana Lalitha            |
| 5624   | Harijana Umesh Kumar        |
| 5625   | Hosuru Prashanthi           |
| 5626   | Kallubandi Nasreen          |
| 5628   | Kummari Siva Sankar         |
| 5629   | Kuruva Harathi              |
| 5631   | Madiga Veerashamma          |
| 5632   | Mala Dasari Madhu           |
| 5633   | Malle Hari Chandana         |
| 5634   | Malle Harshitha             |
| 5635   | Marella Manohar             |
| 5638   | Nanavath Shakunthala        |
| 5639   | Pothula Baba Fakruddin      |
| 5640   | Sabdhin Jamila              |
| 5641   | Shaik Subhan                |
| 5642   | Talari Vamshi               |
| 5644   | Uppara Veeresh              |
| 5645   | Vadde Anand Kumar           |
| 5646   | Yerragudi Rohit Kumar Reedy |
| 5878   | ACHHALA SUJATHA             |
| 5879   | ACHUKATLA SHAMEENA          |
| 5880   | BATHINA PRABHAVATHI         |
| 5881   | BEGARI LAKSHMINARAYANA      |
| 5882   | BOYA PRANITHA               |
| 5883   | DARIMIGARI KURUVA RAJESWARI |
| 5884   | DASARI BHARATHI             |
| 5885   | ELURU USHARANI              |

  
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Kurnool Dist. A.P.

# Model question paper (2022-23)

## Python Programming Certificate Course

Time 01:00

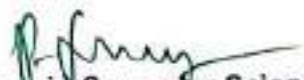
Maximum Marks: 50

1. Who developed Python Programming Language?
  - a) Wick van Rossum
  - b) Rasmus Lerdorf
  - c) Guido van Rossum
  - d) Niene Stom
2. Which of the following is the correct extension of the Python file?
  - a) .python
  - b) .pl
  - c) .py
  - d) .p
3. Is Python code compiled or interpreted?
  - a) Python code is both compiled and interpreted
  - b) Python code is neither compiled nor interpreted
  - c) Python code is only compiled
  - d) Python code is only interpreted
4. All keywords in Python are in \_\_\_\_\_.
  - a) Capitalized
  - b) lower case
  - c) UPPER CASE
  - d) None of the mentioned
5. Which keyword is used for function in Python language?
  - a) Function
  - b) def
  - c) Fun
  - d) Define
6. Which of the following functions can help us to find the version of python that we are currently working on?
  - a) sys.version(1)
  - b) sys.version(0)
  - c) sys.version()
  - d) sys.version
7. Python supports the creation of anonymous functions at runtime, using a construct called \_\_\_\_\_.
  - a) pi
  - b) anonymous
  - c) lambda
  - d) none of the mentioned

8. What does pip stand for python?
- a) Pip Installs Python
  - b) Pip Installs Packages
  - c) Preferred Installer Program
  - d) All of the mentioned
9. Which of the following is the truncation division operator in Python?
- a) |
  - b) //
  - c) /
  - d) %
10. Which of the following functions is a built-in function in python?
- a) factorial()
  - b) print()
  - c) seed()
  - d) sqrt()
11. Which of the following is not a core data type in Python programming?
- a) Tuples
  - b) Lists
  - c) Class
  - d) Dictionary
12. Which one of the following is not a keyword in Python language?
- a) pass
  - b) eval
  - c) assert
  - d) nonlocal
13. To add a new element to a list we use which Python command?
- a) list1.addEnd(5)
  - b) list1.addLast(5)
  - c) list1.append(5)
  - d) list1.add(5)
14. What is the maximum possible length of an identifier in Python?
- a) 79 characters
  - b) 31 characters
  - c) 63 characters
  - d) none of the mentioned
15. What is output of `print(math.pow(3, 2))`?
- a) 9.0
  - b) None
  - c) 9
  - d) None of the mentioned
16. When defining a subclass in Python that is meant to serve as a subtype, the subtype Python keyword is used.



- a) True
  - b) False
17. What is the function of pickling in python?
- a) Conversion of a python object
  - b) Conversion of database into list
  - c) Conversion of byte stream into python object hierarchy
  - d) Conversion of list into database
18. What is called when a function is defined inside a class?
19. To read the remaining lines of the file from a file object infile, we use
- a) `infile.read(2)`
  - b) `infile.read()`
  - c) `infile.readline()`
  - d) `infile.readlines()`
20. Which of the following is equivalent to `random.randrange(3)`?
- a) `range(3)`
  - b) `random.choice(range(0, 3))`
  - c) `random.shuffle(range(3))`
  - d) `random.select(range(3))`
21. Recursion and iteration are the same programming approach. True or False?
- a) True
  - b) False
22. Which of these is not a core data type?
- a) Lists
  - b) Dictionary
  - c) Tuples
  - d) Class
23. What is the output of `print 0.1 + 0.2 == 0.3`?
- a) True
  - b) False
24. The output of the functions `len("abc")` and `sys.getsizeof("abc")` will be the same. State whether true or false.
- a) True
  - b) False
25. What does `random.seed(3)` return?
- a) True
  - b) None

  
**Lecturer in Computer Science**  
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PATTIKONDA-518 380.  
Kurnool Dist. A.P



### REGISTER OF ATTENDANCE & FEES

FOR THE MONTH OF ..... 20

Name of the Institute

Section

Place

[illegible]



**ATTENDANCE & FEES**

FOR THE MONTH OF .....20

Section

Place

[illegible]



# REGISTER OF ATTENDANCE & FEES

FOR THE MONTH OF .....20

Name of the Institute

Section

Place

## NAMES

|                        | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | No. of days present | FEES |
|------------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---------------------|------|
| A. Chinna              | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |      |
| A. Srinivasulu         | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |      |
| B. Chandras Mohan      | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |      |
| B. Kalpana             | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |      |
| B. Lalitha             | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |      |
| B. Mahalakshmi         | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |      |
| C. Ramesh              | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |      |
| C. Anitha              | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |      |
| C. Musali Chakravarthy | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |      |
| D. Chandrasakala       | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |      |
| E. Nagalakshmi         | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |      |
| G. Ramesh              | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |      |
| G. Venkatesh           | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |      |
| H. Lalitha             | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |      |
| H. Suresh Kumar        | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |      |
| H. Prashanthi          | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |      |
| K. Anaswen             | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |      |
| K. Silva Santhani      | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |      |
| K. Harathi             | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |      |
| M. Vasanthamma         | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |      |
| M. Rasani Madhu        | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |      |
| M. Hari Chandana       | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |      |
| M. Harshitha           | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |      |
| M. Manohar             | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |      |
| N. Shakuntala          | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |      |
| P. Baba Fakrudin       | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |      |
| S. Janila              | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |      |
| S. Subhan              | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |      |
| T. Vamehi              | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |      |
| C. Vignesh             | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  |                     |      |

Signature  
Institute Science



## REGISTER OF ATTENDANCE & FEES

**FOR THE MONTH OF .....20**

Name of the Institute

Section

Place

[illegible]



# Government Degree College

Pattikonda, Kurnool-518380, A.P.

Affiliated to Rayalaseema University (RU) Kurnool

Re-Accredited By NAAC with 'B' Grade

## Department of Computer Science

# Certificate Of Participation

This is to certify that Mr./Miss./Mrs. ----- studying ----- successfully completed 'A' Certificate Course in Python Programming 'Organized by Department of Computer Science, Government Degree College, Pattikonda, Kurnool(Dt) held from 17-10-2022 to 30-11-2022.



**Coordinator**

Lecturer in Computer Science  
Govt. Degree College  
Pattikonda-518380.



**Principal**

PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518380  
Kurnool Dist A.P.



# Government Degree College, Pattikonda

## Department of Computer Science

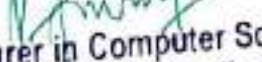
### Final Report of Certification Course in Python Programming


During this course, students delved deep into Python's fundamentals, including data types, variables, loops, conditionals, functions, and object-oriented programming. Through hands-on exercises and real-world examples, they gained a solid understanding of Python's syntax and best practices, enabling them to write clean, efficient, and maintainable code. Completing this course has added a new skill to their knapsack, empowering them to tackle programming challenges and contribute effectively to data analysis. The aforementioned course began on October 17, 2022 and ended on November 30, 2022. The pupils' response was very positive. The Seminar Hall was crowded with eager students for its first presentation.

The principal, Dr. R.Madhuri, spoke to the students and informed them of the significance of technology in both the social and business spheres. He also praised the work of the department of Computer science and complimented Sri.P.Suryachandra, Incharge of Computer Science Department, who served as the course's architect. The course had a high turnout of students. Regular attendance for the classes, which ran from 04.00 PM to 5:00 PM, was 40 students.

The sessions were engaging, educational and fascinating. The students were able to comprehend how to learn and understand Python Programming with the use of hands-on activities, films, handouts, seminars, quizzes, suggested books, and engaging exercises. The pupils' confidence level was raised via brainstorming sessions, discussions, group exercises. The complete course took place; The Course ran its entire course of 38 days and also took informal inputs from the students for making the course better next time.

After the successful completion of the said Certificate course, a valedictory function was held on 30<sup>th</sup> November 2022. The Principal of the College, graced the occasion. The meeting was presided over by the Incharge, P. Suryachandra. Vote of thanks was proposed by other members.

  
Lecturer in Computer Science  
Govt. Degree College  
PATTIKONDA-518 380.  
Kurnool Dist. A.P.

  
PRINCIPAL  
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PATTIKONDA-518 380  
Kurnool Dist. A.P.





**GOVERNMENT DEGREE  
COLLEGE  
PATTIKONDA, KURNOOL(DT)  
DEPARTMENT OF ECONOMICS  
CERTIFICATE COURSE  
2022-2023**



# Government Degree College, Pattikonda

Accredited with "B" Grade by NAAC

Dr. R. Madhuri

Principal



Main Road,  
Pattikonda, Kurnool - 518300  
Andhra Pradesh, India.  
Phone : 08520 216968  
Email : pattikondagdc.jec@gmail.com  
Website: www.pattikondagdc.org

## GOVERNMENT DEGREE COLLEGE, PATTIKONDA PROPOSAL FOR THE INTRODUCTION OF CERTIFICATE COURSE IN Project Design and Report Writing

DATE: 15-02-23

From  
Dr. H. Mari Swamy,  
Lecturer in Economics,  
Head of Department  
Govt. Degree College  
Pattikonda, Kurnool (Dr.)

To  
The Principal,  
Govt. Degree College, Pattikonda  
Kurnool (Dr.)

Respected Madam,

The department of Economics wishes to conduct a certificate - Project Design and Report Writing Keeping in view employment opportunities in project design and report writing. More over the course is aimed eradicating unemployment in rural areas. The course content is designed to create awareness on opportunities, project design and report writing in this regard the proposal may please be accepted and permission may be accorded.

The details of the program are

- |                                          |                            |
|------------------------------------------|----------------------------|
| 1. Name of the proposed program          | : Certificate Course       |
| 2. Duration and timings of the program   | : 45 days                  |
| 3. Start date of the program             | : 20-02-2023 to 24-04-2023 |
| 4. Course fee                            | : Nil                      |
| 5. No of students expected for admission | : 20                       |

Yours faithfully,

Head of Department  
Dr. H. MARISWAMY M.A. Ph.D.  
Lecturer in Economics  
Government Degree College  
PATTIKONDA, Kurnool(Dr.)

# **GOVERNMENT DEGREE COLLEGE, PATTIKONDA**

## **Department Of Economics**

### **Minutes of the Department meeting for the conduct of Certificate Course in Project Design and Report Writing**

Date: 15-02-23

The faculty of the Department of Economics, is sincere to cater the needs of students , has made the decision to widen opportunities for individuals graduating from our College. There is a considerable need for new graduates to enhance their employability skills due to the expanding job market, which has been particularly visible in the Project Design and Report Writing. With the straightforward objective of equipping graduating students with the requisite practical Knowledge and abilities, the Department of Economics has taken the initiative to provide a Certificate Course in Project Design and Report Writing.

Faculty of the department under the chairmanship of HOD Dr.H.Mariswamy on unanimously decided to organize the Certificate Course in Project Design and Report Writing for degree-seeking students at our college, with the lecturers serving as the course instructors and the Department Head serving as convener. As promised, the Certificate Course would span 45 days.

1. Sri Dr. H.Mari Swamy, Head of the Department
2. Sri H Ramanjini, Lecturer in Political Science
3. Sri C.Jayaramulu,Lecturer in History

  
Principal  
GOVT DEGREE COLLEGE  
PATTIKONDA-518380  
Cuttack Dist. A.P.

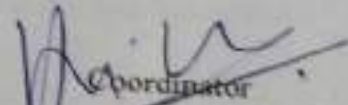
**Government DEGREE COLLEGE, PATTIKONDA.**

**DEPARTMENT OF ECONOMICS**

**Circular**

Date: 16-02-2023

All the BA., HEP final year degree students are hereby informed that the Department of Economics is going to start a certificate course in '**Project Design and Report Writing**'. The duration of the course is 45 days. Students need not pay any fee for the course. The classes will commence from 20-02-2023 to 24-04-2023. Interested students are required to register their names in the Economics Department. After successful completion of the course certificate will be provided to the students.



Dr. H. MARISWAMY M.A., Ph.D.  
Lecturer in Economics  
Government Degree College  
PATTIKONDA, Kurnool(Dist)

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CERTIFICATE COURSE IN ECONOMICS

Topic: Project Design and Report Writing

Syllabus

Module-I:


Implementation of Project Design -

Fieldwork/Project work and Collection of Data -Choice of Schedules and Questionnaire -Pilot Study -Role of Observation and Participation -Documentary Evidences - Projective Techniques: Functions and Types -Editing Data -Graphical and Statistical Analysis of Data using appropriate Statistical Techniques.

Module-II:

Report Writing-

Types of Research Report -Target Audience -Nature of Language to be used in Research Report -Outlines of a Good Research report - Prefatory Items -Body of the report -Terminal Items: Differences between References and Bibliography -Appendices -Ethical values in Research Report -Plagiarism Test -Components of a good Research Paper.

  
Dr. H. MARISWAMY M.A., Ph.D.  
Lecturer in Economics  
Government Degree College  
PATTIKONDA, Kumool(Dist)

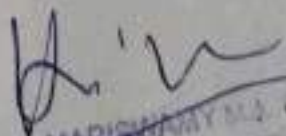
**Model question paper (2022-23)**  
**Project Design and Report Writing Certificate Course**

**Time: 2hrs**

**Maximum marks :50**

**Each question carries 10 marks (10\*5)**

1. What is the main purpose of field work?
2. What are the two types of field work?
3. What are the roles in participant observation?
4. Importance of statistical techniques?
5. Types of research report?
6. Differences between references and bibliography?
7. Explain about plagiarism test?
8. What are the components of good research report?

  
Dr. H. MARIKAVY M.A.,  
Lecturer in Economics  
Government Degree College  
PATTIKONDA, Kurnool(Dist)

Students List Registered 2022-23

| S.No | NAME OF THE STUDENT         | Admission | CLASS      | Signature of the Student |
|------|-----------------------------|-----------|------------|--------------------------|
| 1    | Yerukula C Amaranath        | 5447      | III BA HEP | Yerukula C Amaranath     |
| 2    | Boya Chandrasekhar          | 5394      | III BA HEP | B. Chandrasekhar         |
| 3    | Yenumula Chandrasekhar      | 5446      | III BA HEP | K. Chiranjeevi           |
| 4    | Kondapalli Chiranjeevi      | 5417      | III BA HEP | K. Dasu                  |
| 5    | Kuruva Dasu                 | 5424      | III BA HEP | H. Divya Lakshmi         |
| 6    | Harijana Divya Lakshmi      | 5410      | III BA HEP | K. Jayasree              |
| 7    | Kotamaligi Jayasree         | 5419      | III BA HEP | A. Jyothi                |
| 8    | Arava Jyothi                | 5491      | III BA HEP | K. Karthik               |
| 9    | Karli Karthik               | 5416      | III BA HEP | B. Sathish               |
| 10   | Boya Sarath                 | 5399      | III BA HEP | M. Sathish               |
| 11   | Maddela Sathish             | 5427      | III BA HEP | M. Sathish               |
| 12   | Muthyala Shirisha           | 5432      | III BA HEP | P. Sreenivasulu          |
| 13   | Pujari Sreenivasulu         | 5436      | III BA HEP | V. Srinivasulu           |
| 14   | Vadde Srinivasulu           | 5444      | III BA HEP | K. P. Sujatha            |
| 15   | Kuruva Beedappagari Sujatha | 5423      | III BA HEP | P. Sunitha               |
| 16   | Poojari Sunitha             | 5435      | III BA HEP | K. Swapna                |
| 17   | Kotamaligi Swapna           | 5420      | III BA HEP | S. Yaswanth              |
| 18   | Sankarapu Yaswanth          | 5438      | III BA HEP | T. Madhusudhana          |
| 19   | Thuppati Madhusudhana       | 5441      | III BA HEP | D. Vinod Kumar           |
| 20   | Uppara Vinod Kumar          | 5443      | III BA HEP |                          |

  
 Department Of Economics  
 Government Degree College  
 PATTIKONDA - 516 360 Kurnool(Dist)



# REGISTER OF ATTENDANCE

Grade of the Institute: Geet Degree College, Indore

| S. No. | NAME             | DATE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | Present | Days of Abs. |
|--------|------------------|------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---------|--------------|
| 1      | V. C. Amurath    |      | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P       | P            |
| 2      | D. Chandra Sekar |      | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P       | P            |
| 3      | V. Chandra Sekar |      | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P       | P            |
| 4      | A. Christy Jones |      | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P       | P            |
| 5      | K. Daku          |      | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P       | P            |
| 6      | H. Dargalathur   |      | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P       | P            |
| 7      | K. Jayasree      |      | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P       | P            |
| 8      | A. Jyothi        |      | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P       | P            |
| 9      | K. Karthik       |      | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P       | P            |
| 10     | D. Sarath        |      | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P       | P            |
| 11     | H. Sathish       |      | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P       | P            |
| 12     | M. Srissha       |      | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P       | P            |
| 13     | P. Sreenivasa    |      | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P       | P            |
| 14     | V. Sreenivasa    |      | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P       | P            |
| 15     | K. O. Sujatha    |      | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P       | P            |
| 16     | P. Sunitha       |      | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P       | P            |
| 17     | K. Sunitha       |      | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P       | P            |
| 18     | S. Yashwanth     |      | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P       | P            |
| 19     | H. Navetha       |      | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P       | P            |
| 20     | V. Vinod Kumar   |      | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P       | P            |

# FOR THE MONTH OF March 2023

Class: SSA HEP

| S. No. | NAME             | DATE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | Present | Days of Abs. |
|--------|------------------|------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---------|--------------|
| 1      | V. C. Amurath    |      | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P       | P            |
| 2      | D. Chandra Sekar |      | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P       | P            |
| 3      | V. Chandra Sekar |      | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P       | P            |
| 4      | A. Christy Jones |      | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P       | P            |
| 5      | K. Daku          |      | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P       | P            |
| 6      | H. Dargalathur   |      | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P       | P            |
| 7      | K. Jayasree      |      | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P       | P            |
| 8      | A. Jyothi        |      | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P       | P            |
| 9      | K. Karthik       |      | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P       | P            |
| 10     | D. Sarath        |      | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P       | P            |
| 11     | H. Sathish       |      | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P       | P            |
| 12     | M. Srissha       |      | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P       | P            |
| 13     | P. Sreenivasa    |      | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P       | P            |
| 14     | V. Sreenivasa    |      | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P       | P            |
| 15     | K. O. Sujatha    |      | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P       | P            |
| 16     | P. Sunitha       |      | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P       | P            |
| 17     | K. Sunitha       |      | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P       | P            |
| 18     | S. Yashwanth     |      | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P       | P            |
| 19     | H. Navetha       |      | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P       | P            |
| 20     | V. Vinod Kumar   |      | P | P | P | P | P | P | P | P | P | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P  | P       | P            |

8/10/2023 10/10/2023 11/10/2023 12/10/2023 13/10/2023 14/10/2023 15/10/2023 16/10/2023 17/10/2023 18/10/2023 19/10/2023 20/10/2023 21/10/2023 22/10/2023 23/10/2023 24/10/2023 25/10/2023 26/10/2023 27/10/2023 28/10/2023 29/10/2023 30/10/2023

|                                           |                      |      |
|-------------------------------------------|----------------------|------|
| NO. ON ROLL AT THE BEGINNING OF THE MONTH | No. of Boys Present  | A.M. |
| ADMITTED DURING THE MONTH                 | No. of Girls Present | A.M. |
|                                           | Teacher's Initial    |      |
| LEFT NO. ON ROLL AT THE END OF THE YEAR   | No. of Boys Present  | P.M. |
| ADMITTED DURING THE MONTH                 | No. of Girls Present | P.M. |
|                                           | Teacher's Initial    |      |

No. of Weeks  
Average att.  
During the

### REGISTER OF ATTENDANCE

Name of the Institute: Govt Degree College, Pathankot

| No. | Name              | CASES           |
|-----|-------------------|-----------------|
| 1   | V. A. Ananthan    | P P P P P P P P |
| 2   | B. Chandrasekar   | P P P P P P P P |
| 3   | V. Chandrasekhar  | P P P P P P P P |
| 4   | K. Chintamani     | P P P P P P P P |
| 5   | K. Dalu           | P P P P P P P P |
| 6   | H. D. Jagannathan | P P P P P P P P |
| 7   | M. Jayaram        | P P P P P P P P |
| 8   | A. Jyothi         | P P P P P P P P |
| 9   | K. Karthik        | P P P P P P P P |
| 10  | D. Sarath         | P P P P P P P P |
| 11  | N. Sathish        | P P P P P P P P |
| 12  | M. Srisha         | P P P P P P P P |
| 13  | P. Srikanth       | P P P P P P P P |
| 14  | V. Srikanth       | P P P P P P P P |
| 15  | K. O. Sugathan    | P P P P P P P P |
| 16  | P. Sunitha        | P P P P P P P P |
| 17  | M. Surupa         | P P P P P P P P |
| 18  | S. Sudhan         | P P P P P P P P |
| 19  | H. Nareth         | P P P P P P P P |
| 20  | V. Vinod Kumar    | P P P P P P P P |

2004.10.10

FOR THE MONTH OF April 2023

Case 73-24-148

[illegible]

3344 ✓ 3342 ✓

Department Of Economics  
Salem State College  
ps7424CA 12/35 1/10/2010

NO. ON ROLL AT THE BEGINNING  
OF THE MONTH

Report Range: 17

August 11 AM

ADMITTED IN JUNE THE MONTH

1997

1984 AM

LEFT NO. ON ROLL AT THE END OF THE YEAR

No. of Pages 74

Source: FMA.

ADMITTED DURING THE MONTH:

100-200 mg/kg

**Abstract**



## Distribution of Certificates of General Health and Insurance





**Government Degree College, Pattikonda**

**Department of Economics**

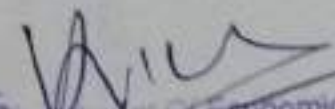
**Final Report of Certification Course in Project Design and Report Writing**

By offering a certificate course in Project Design and Report Writing for 45 days, the Department of Economics has made a modest start in its effort to teach and enhance the students with knowledge on Project Design and Report Writing. The primary goal of the course, as previously decided, was to impart knowledge about Project Writing to the departing pupils. The demands of the final year students are taken into consideration while the course's fundamental framework. The aforementioned course began on 20-02-2023, and ended on 24-04-2023. The pupils' response was very positive.

The principal, Dr.R.Madhuri, spoke to the students and informed them of the significance of Project Design and Report Writing. She also appreciated the work of the department and complimented Dr.H.Mari Swamy, HOD, who served as the course's architect. The course had a high turnout of students. Regular attendance for the classes, which ran from 05.00 PM to 6:30 PM, was 20 students.

The sessions were engaging, educational, and fascinating. The students were able to comprehend how to learn and understand Project design and Report Writing with the use of handouts, seminars, quizzes, suggested books, and engaging exercises. The pupils' confidence level was raised via brainstorming sessions, discussions, group exercises, and imprompt presentations. The complete course took place. The Course ran its entire course of 45 days and also took informal inputs from the students for making the course for next time.

After the successful completion of the said Certificate course, a valedictory function was held on 24-04-2023. The Principal of the College, Dr.R.Madhuri garu, graced the occasion. The meeting was presided over by the HOD (Economics), Sri Dr.H.Mari Swamy. At the end of program Sri H Ramanjini, Lecturer in Political Science, proposed the vote of thanks.

  
Dr. H. Mari Swamy  
Head of Department  
Department of Economics  
Government Degree College  
Pattikonda



# GOVERNMENT DEGREE COLLEGE

PATTIKONDA, KURNOOL-518380, A.P.  
AFFILIATED TO RAYALASEEMA UNIVERSITY (RU) KURNOOL  
RE-ACCREDITED BY NAAC WITH 'B' GRADE

## Department of Economics

### Certificate Of Participation


This is to certify that Mr./Miss./Mrs \_\_\_\_\_ studying

\_\_\_\_\_ successfully completed ' \_\_\_\_\_ ,

organized by Department of Economics, Government Degree College, Pattikonda,

Kurnool (Dt) held from \_\_\_\_\_ to \_\_\_\_\_.

  
**Coordinator**  
Dr. H. MARISWAMY M.A., Ph.D.,  
Lecturer in Economics  
Government Degree College  
PATTIKONDA, Kurnool (Dist)

  
**Principal**  
GOVT DEGREE COLLEGE  
PATTIKONDA-518380  
Kurnool Dist A.P

**Government Degree College, Pattikonda**

**Kurnool-A.P-518380**

**Certificate course 2022-23**



**A  
Certificate  
Course  
in  
Soft Skills**

**Department of English**



# Government Degree College, Pattikonda

2022-23 -Proposal for the Introduction of Certificate

## Course in Soft Skills

Date: 02-12-2022

From  
Smt.S.Shabana  
Head of Department  
Govt. Degree College, Pattikonda  
Kurnool (Dt),

To  
The Principal  
Govt. Degree College  
Pattikonda, Kurnool (Dt).

Respected Madam,

The Department of English will hold a certificate course in **Soft Skills** the course is in response to the demand of departing students. Soft skills are now regularly communicated from the lowest to the highest levels of employment. Spoken English and grammar are soft skills are beneficial to students. The Department of English is enthusiastic about starting the course, considering all of these factors. Details of the program will be provided.

- |                                          |                                       |
|------------------------------------------|---------------------------------------|
| 1. Name of the proposed program          | : A Certificate course in Soft Skills |
| 2. Duration and timings of the program   | : 35 days                             |
| 3. Start date of the program             | : 17-12-2022 to 05-02-2023            |
| 4. Course fee                            | : free                                |
| 5. No,of students expected for admission | : 40                                  |

Yours faithfully

*Shabana*

Head of Department English



# Government Degree College, Pattikonda

## Department of English

### Minutes of the Department Meeting for the Conduct of Certificate Course in Soft Skills

Date: 05-12-2022

The English department, a leader in meeting the students' needs, has decided to increase the number openings of council scholars. In this globalised world there's a significant need for the gregarious students with effective soft skills, alphabet, vocabulary and judgment construction skills. So the Department of English has taken the action to offer a Certificate course generally habituated Soft skills Course in with the simple thing of giving graduating students the necessary practical English of dos and don'ts.

The Department of English met with its members on the College's campus on 05/12/2022 assembled and unanimously decided to set up the Certificate Course in Soft Skills for degree seeking scholars at our College, with the speakers serving as course preceptors and the Department Head acting as president. The conference was presided over by department head S.Shabana. The Certificate Course would last 45 days as promised. (17-12-2022 to 05-02-2023)

1. Smt.S.Shabana,

*Shabana*

Head of the Department :



*[Signature]*  
Principal

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Kurnool Dist AP

# **Government Degree College, Pattikonda.**

## **Department of English 22-23**

**Date: 05-12-2022**

### **Circular**

English Department is starting a certificate course in Soft Skills for Final Year Students, the duration of the courses, which will last 45 days. There is no fee required for the course, and classes will commence on 17-12-2022. If you're interested in enrolling, please register your name at the department soon! After successfully completing the course, you'll receive a certificate.

*Shabana*  
**Coordinator**

**DEPARTMENT OF ENGLISH**  
Govt. Degree College,  
PATTIKONDA, Kurnool Dist.

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**Government Degree College, Pattikonda  
Kurnool-AP-518380**

**A**

**Certificate course in SOFT SKILLS  
2022-2023**

- ✓ Course Content
- ✓ Public Speaking
  - The power of Public Speaking
  - Developing confidence
  - Planning
  - Preparation
  - Successful and effective delivery of speech
- ✓ Group Discussion
  - What is group discussion?
  - Why are group discussions held?
  - Preparation for a group discussion
  - Skills for effective participation
  - Traits tested in a group discussion
  - Initiating a group discussion
  - Non-verbal communication in group discussion
  - Types of group discussions
- ✓ Interviews
  - Interviewing in the 21st century
  - Developing an Interview Strategy
  - Taking Care of the Details
  - Practicing for the Interview
  - During the Interview
  - Stress Interviews
  - Traditional Interviews
- ✓ Writing Skills
  - Basics of writing
  - Writing paragraphs
  - Writing research articles
  - Report writing
  - Writing a CV Department of English

  
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# Model Question Paper (2022-23)

## A Certificate Course in Soft Skills

Time 01:30

Maximum Marks: 50

### Soft Skill and English Communication Level 1

Q 1) Which type of dress should be worn for an interview?

- 1) Formal
- 2) Casual
- 3) Traditional
- 4) none of these

Q 2) For men, the colour of the socks should match with which of the following ?

- 1) trousers
- 2) shirts
- 3) shoes
- 4) tie

Q 3) Your workspace should be clean and .

- 1) organized
- 2) messed-up
- 3) unsafe
- 4) none of these

Q 4) We should cut our nails.

- 1) regularly
- 2) never
- 3) rarely
- 4) none of these

Q 5) During interviews, we should express our views .

- 1) clearly
- 2) in a haste
- 3) aggressively
- 4) none of these

Q 6) Put others in an embarrassing situation by asking them to speak if they don't want It should in a group discussion.

- 1) never be done
- 2) always be done

- 3) good practice
- 4) none of these

Q 7) Effective time management leads to-

- 1) Increased productivity to achieve goals
- 2) Decrease and manage stress
- 3) better work-life balance
- 4) all of these

Q 8) Tools for Time Management are -

- 1) Calendars
- 2) To-Do lists
- 3) Project tracking tools
- 4) all of these

Q 9) Communication should be -

- 1) clear
- 2) correct
- 3) complete
- 4) all of these

Q 10) Which of the following is a greeting /wish ?

- 1) good morning
- 2) get well soon
- 3) happy journey
- 4) all of these

Q 11) Verbal communications in business takes place through -

- 1) phone call conversation
- 2) face to face conversation
- 3) phone call conversation and face to face conversation
- 4) none of these

Q 12) The term communication is derived from the Latin word " " which means to share.

- 1) Communis
- 2) Communica
- 3) Communi
- 4) Community

Q 13) An effective communication must have -

- 1) sender
- 2) receiver



- 3) message
- 4) all of these

Q 14) is a communication between two or more persons wherein the intended message is successfully delivered, received and understood.

- 1) Effective Communication
- 2) Ended Communication
- 3) Closed Communication
- 4) none of these

Q 15) listening is devoted for understanding the message of a speaker, as when we attend a classroom lecture.

- 1) comprehensive
- 2) critical
- 3) empathetic
- 4) appreciative

Q 16) is defined as the process that initiates, guides, and maintains goal- oriented behaviour.

- 1) Motivation
- 2) Attitude
- 3) Aptitude
- 4) all of these

Q 17) Which of the following different theories of motivation has/have been proposed by Psychologists ?

- 1) drive theory
- 2) instinct theory
- 3) humanistic theory
- 4) all of these

Q 18) There are—— major component to motivation.

- 1) 3
- 2) 4
- 3) 2
- 4) 5

Q 19) is the continued effort toward a goal even though obstacles may exist.

- 1) Persistence
- 2) Intensity
- 3) Activation
- 4) none of these

Q 20) Individually or organizationally, determines what is right and what is wrong, and doing what is right or wrong is what we mean by .

- 1) values, ethics
- 2) ethics, values
- 3) values, values
- 4) ethics, ethics

Q 21) Thinking thoughts depletes your energy reserves.

- 1) negative
- 2) positive
- 3) good
- 4) none of these

Q 22) Positive people will have self-confidence than negative people.

- 1) more
- 2) less
- 3) same
- 4) none of these

Q 23) refers to the guidelines for conduct, that address question about morality.

- 1) Ethics
- 2) Values
- 3) Corruption
- 4) none of these


Q 24) differs from person to person while ethics remain uniform.

- 1) Values
- 2) Ethics
- 3) Corruption
- 4) none of these

Q 25) Choose the correct option: A group of words that makes a complete sense or gives complete meaning is called a .

- 1) Sentence
- 2) Phrase
- 3) Paragraph
- 4) Story



  
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Kurnool Dist A P

# List of Students Registered for certificate course 2022-23

## A Certificate Course in Soft Skills

| S.No | Hall Ticket Number | Name of the Students       | Signature of the student |
|------|--------------------|----------------------------|--------------------------|
| 1    | 20360048001        | Shake Khaleel              | S. Khaleel               |
| 2    | 20360048002        | Chevula Kowlutla           | C. Kowlutla              |
| 3    | 20360048003        | Boya Mallikarjuna          | B. Malli                 |
| 4    | 20360048004        | Boya Burukula Nagaraju     | B. Nagaraju              |
| 5    | 20360048005        | Chakali Narasimhudu        | Narasimh                 |
| 6    | 20360048006        | Mulla Aisha Banu           | M. Aisha Banu            |
| 7    | 20360048007        | Siddavatam Ajam Basha      | S. Basha                 |
| 8    | 20360048008        | Vadde Bala Krishna         | B. Krishna               |
| 9    | 20360048009        | Medam Bhavana              | Bhavana                  |
| 10   | 20360048010        | Mutyala Chandra Sekhar     | Chandra                  |
| 11   | 20360048011        | Kuruva Dasu                | K. Dasu                  |
| 12   | 20110048012        | Harijana Divya Lakshmi     | Divya                    |
| 13   | 20110048013        | Kotamaligi Jayasree        | Jayasree                 |
| 14   | 20110048014        | Arava Jyothi               | A. Jyothi                |
| 15   | 20110048015        | Karli Karthik              | Karthik                  |
| 16   | 20232048001        | Borra Anitha               | Anitha                   |
| 17   | 20232048002        | Kotamaligi Badhri Narayana | Narayana                 |
| 18   | 20232048003        | Madasala Bajarappa         | M. Bajarappa             |
| 19   | 20232048004        | Yenumula Chiranjeevi       | Y. Chiranjeevi           |
| 20   | 20232048005        | Telugu Eranna              | P. Eranna                |
| 21   | 20232048006        | Gilla Ganesh Naidu         | Naidu                    |
| 22   | 20232048007        | Maggamula Hanumanthu       | Hanumanthu               |
| 23   | 20232048008        | Mandula Hari               | M. Hari                  |
| 24   | 20232048009        | Kathi Jyothi               | Jyothi                   |



|    |             |                        |                |
|----|-------------|------------------------|----------------|
| 25 | 20232048010 | Shake Khaleel          | S. Khaleel     |
| 26 | 20232048011 | Chevula Kowlutla       | C. Kowlutla    |
| 27 | 20232048013 | Boya Mallikarjuna      | B. Malli       |
| 28 | 20232048014 | Boya Burukula Nagaraju | Nagaraju       |
| 29 | 20232048015 | Chakali Narasimhudu    | C. Narasimhudu |
| 30 | 20375048001 | Mulla Aisha Banu       | M. Aisha Banu  |
| 31 | 20375048002 | Siddavatam Ajam Basha  | Ajam Basha     |
| 32 | 20375048003 | Vadde Bala Krishna     | Krishna        |
| 33 | 20375048004 | Medam Bhavana          | Bhavana        |
| 34 | 20375048005 | Mutyala Chandra Sekhar | Chandra Sekhar |
| 35 | 20110048006 | Kuruva Dasu            | K. Dasu        |
| 36 | 20110048007 | Harijana Divya Lakshmi | H. Lakshmi     |
| 37 | 20110048008 | Kotamaligi Jayasree    | K. Jayasree    |
| 38 | 20110048009 | Arava Jyothi           | Jyothi         |
| 39 | 20110048010 | Karli Karthik          | Karthik        |
| 40 | 20360048011 | Sabdhin Jamila         | S. Jamila      |

Shobana  
DEPARTMENT OF ENGLISH  
Govt. Degree College,  
PATTIKONDA, Kurnool (Dist).



Principal  
GOVT DEGREE COLLEGE,  
PATTIKONDA

**Attendance Sheet 2022-23**  
**A Certificate Course in Soft Skills**

[illegible]

[illegible]



# Government Degree College, Pattikonda

## Department of English

### Final Report of Certificate Course in Soft Skills

**Soft skills** Programme was developed by English department with the help of the Principal for the personality development of college students. By offering the 35-day Certificate course in soft skills, the English Department has made a humble beginning in its efforts to teach and improve students' practical knowledge of accounting software. The main objective of the course, as decided earlier, was to impart English language skills to the departing students. The requirements of final year students are taken into account when creating the basic framework of the course. The above mentioned course started on 17.12.2022 and ended on 05.02.2023. The feedback from the students was very positive.

The Principal, Dr.R.Madhuri spoke to the students and knowledgeable them of the importance of generation in both the social and enterprise spheres of dos and don'ts. She additionally praised the efforts of the department of English and complimented Smt.S.Shabana HOD, who served as the route's architect. The periods were attractive, academic, and fascinating. The pupils' confidence degree becomes raised through brainstorming classes, discussions, organization sporting activities, and impromptu displays. The complete direction took place; the course ran its complete direction of forty five days and additionally took informal inputs from the scholars for making the direction higher next time. Upon the successful completion of the aforementioned Certificate programme, a farewell celebration was organized on the last day of the programme. The event was graced by the college principal Dr.R.Madhuri Smt.S.Shabana, the HOD, presided over the meeting. The idea for a vote of gratitude came from other department members.

*Shabana*  
DEPARTMENT OF ENGLISH  
Govt. Degree College,  
PATTIKONDA, Kurnool (Dist.)



*Dr. R. Madhuri*  
PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
Kurnool Dist A P



## Government Degree College, Pattikonda

Pattikonda, Kurnool-518380, A.P.

Affiliated to Rayalaseema University (R.U) Kurnool-

Re-Accredited By NAAC with 'B' Grade

## Department of English

### Certificate of Participant

This is to certify that Mr./Miss./Mrs. \_\_\_\_\_ studying \_\_\_\_\_ success fully  
completed 'A Certificate Course in Soft Skills 'Organized by Department of English, Government Degree College, Pattikonda,  
Kurnool (Dt) held from 17-12-2022 to 05-02-2023.

*Shabana*

Coordinator

DEPARTMENT OF ENGLISH  
Govt. Degree College,  
PATTIKONDA, Kurnool (Dist).



*[Signature]*

Principal

**GOVERNMENT DEGREE COLLEGE**

**PATTIKONDA**

**KURNOOL (Dist)**

**DEPARTMENT OF HISTORY**

**CERTIFICATE COURSE**

**2022-23**



**GOVERNMENT DEGREE COLLEGE, PATTIKONDA**  
**PROPOSAL FOR THE INTRODUCTION OF CERTIFICATE COURSE IN**  
**Tourism and hospitality services**

DATE:28/01/2023

From  
 C.Jayaram,  
 Lecturer in History,  
 Head of Department  
 Govt. Degree College  
 Pattikonda, Kurnool (Dt).

To  
 The Principal,  
 Govt. Degree College, Pattikonda  
 Kurnool (Dt).

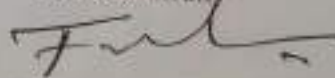
Respected Sir,

I would want to suggest that our college hold a certificate program BA., HEP. The demands of departing students are now more regularly communicated to the Department of history. From the lowest to the highest levels of employment, Skills has become useful students. The Department of History is excited to start the course considering all of these factors.

The details of the program are

- |                                          |                            |
|------------------------------------------|----------------------------|
| 1. Name of the proposed program          | : Certificate Course       |
| 2. Duration and timings of the program   | : 30 days                  |
| 3. Start date of the program             | : 02/02/2023 to 14/03/2023 |
| 4. Course fee                            | : Nil                      |
| 5. No of students expected for admission | : 20                       |

Yours faithfully

  
 C. JAYARAM, M.A., Ph.D.  
 Head of Department (History)  
 Lecturer in History  
 GOVT. DEGREE COLLEGE,  
 PATTIKONDA, Kurnool Dist.


**GOVERNMENT DEGREE COLLEGE, PATTIKONDA**  
**Department Of History**  
**Minutes of the Department meeting for the conduct of**  
**Certificate Course in Tourism and hospitality service**

Date: 30/01/2023

The Department of History, a leader in catering to student needs, has made the decision to widen opportunities for individuals graduating from our College. There is a considerable need for new graduates with employability skills due to the expanding job market, which has been particularly visible in the Insurance Sector. With the straightforward objective of equipping graduating students with the requisite practical Knowledge and abilities, the Department of History has taken the initiative to provide a Certificate Course in Tourism and hospitality services.

On 30/01/2023, the Department of History held a meeting with its members on the College's property. The conference was led by the department head, Srinivasa Reddy, and attended by, Sri Narasaiah, and B. Vinodkumar. The Department unanimously decided to organize the Certificate Course in Tourism and hospitality services degree-seeking students at our college, with the lecturers serving as the course instructors and the Department Head serving as chairman. As promised, the Certificate Course would span 45 days.

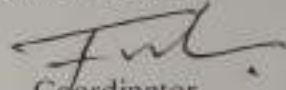
1. Sri Srinivasa reddy, Head of the Department
2. Sri Narasaiah, Lecturer in History
3. Sri B. Vinodkumar, Lecturer in History

  
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**PATTIKONDA-518 380**  
**Kurnool Dist A P**

**Government DEGREE COLLEGE, PATTIKONDA.****DEPARTMENT OF HISTORY****Circular**

Date: 31/01/2023

All the BA., HEP final year degree students are hereby informed that the Department of Economics is going to start a certificate course in 'Tourism and hospitality services'. The duration of the course is 30 days. Students need not pay any fee for the course. The classes will commence from 02/02/2023 to 14/03/2023. Interested students are required to register their names in the History Department. After successful completion of the course certificate will be provided to the students.

  
Coordinator  
C. JAYARAMULU, M.A., M.Phil.  
Lecturer in History,  
GOVT DEGREE COLLEGE,  
PATTIKONDA, Kurnool Dist.

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## Tourism and hospitality service

### Syllabus

#### Unit-I

Tourism of definition-Nature and scope of tourism-History & tourism

#### Unit-II

Major tourist spots in A.P-Gandikota-Nagarjuna konda,salihendam and Kona Seema

**Model question paper (2022-23)**

Tourism and hospitality service

**Time 01:30**

**Maximum marks :50**

**Each question carries 10 marks (10\*5)**

1. Write about the nature and scope of Tourism?
2. Write types of Tourism?
3. What are the rapid growth of Tourism?
4. Write about major Tourist spots in A.P?
5. What are the characteristics of Hospitality Industry?

## Students List Registered 2022-23

| S.No | Admission | NAME OF THE STUDENT |
|------|-----------|---------------------|
| 1    | 5447      | M.Manohar           |
| 2    | 5394      | K.Rajasekhar        |
| 3    | 5446      | B.Ramanjineyulu     |
| 4    | 5417      | P.Pandu             |
| 5    | 5424      | J.Yellamma          |
| 6    | 5410      | M.Suresh            |
| 7    | 5419      | M.Jyothi            |
| 8    | 5991      | P.SivaKrishna       |
| 9    | 5416      | V.V.Anand           |
| 10   | 5399      | C.Mahesh            |
| 11   | 5427      | B.Kumaraswamy       |
| 12   | 5432      | K.ChinnaMadanna     |
| 13   | 5436      | U.Sandhya           |
| 14   | 5444      | B.Vijay             |
| 15   | 5423      | P.Surendra          |
| 16   | 5435      | Akulagoni Ravindra  |
| 17   | 5420      | Aluru Anjali Devi   |
| 18   | 5426      | Boya Chandrasekhar  |
| 19   | 5441      | Maddela Sathish     |
| 20   | 5443      | Sankarapu Yaswanth  |



| S.No  | Names of the Students | 2-2-2023 | 3-2-2023 | 4-2-2023 | 5-2-2023 | 6-2-2023 | 7-2-2023 | 8-2-2023 | 9-2-2023 | 10-2-2023 | 11-2-2023 | 12-2-2023 | 13-2-2023 | 14-2-2023 | 15-2-2023 | 16-2-2023 | 17-2-2023 | 18-2-2023 | 19-2-2023 | 20-2-2023 | 21-2-2023 | 22-2-2023 | 23-2-2023 | 24-2-2023 | 25-2-2023 |
|-------|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| S. No | Names of the Students | 1        | 2        | 3        | 4        | 5        | 6        | 7        | 8        | 9         | 10        | 11        | 12        | 13        | 14        | 15        | 16        | 17        | 18        | 19        | 20        | 21        | 22        | 23        |           |
| 1     | M.Manohar             | X        | X        | X        |          | X        | X        | X        | X        | X         |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 2     | K.Rajasekhar          | X        | X        | X        |          | X        | X        | X        | X        | X         |           |           |           | X         | X         | X         | X         | X         |           |           | X         | X         | X         | X         |           |
| 3     | B.Ramanjineyulu       | X        | X        | X        |          | X        | X        | X        | X        | X         |           |           |           | X         | X         | X         | X         | X         |           |           | X         | X         | X         | X         |           |
| 4     | P.Pandu               | X        | X        | X        |          | X        | X        | X        | X        | X         |           |           |           | X         | X         | X         | X         | X         |           |           | X         | X         | X         | X         |           |
| 5     | J.Yellamma            | X        | X        | X        |          | X        | X        | X        | X        | X         |           |           |           | X         | X         | X         | X         | X         |           |           | X         | X         | X         | X         |           |
| 6     | M.Suresh              | X        | X        | X        |          | X        | X        | X        | X        | X         |           |           |           | X         | X         | X         | X         | X         |           |           | X         | X         | X         | X         |           |
| 7     | M.Jyothi              | X        | X        | X        |          | X        | X        | X        | X        | X         |           |           |           | X         | X         | X         | X         | X         |           |           | X         | X         | X         | X         |           |
| 8     | P.SivaKrishna         | X        | X        | X        |          | X        | X        | X        | X        | X         |           |           |           | X         | X         | X         | X         | X         |           |           | X         | X         | X         | X         |           |
| 9     | V.V.Anand             | X        | X        | X        |          | X        | X        | X        | X        | X         |           |           |           | X         | X         | X         | X         | X         |           |           | X         | X         | X         | X         |           |
| 10    | C.Mahesh              | X        | X        | X        |          | X        | X        | X        | X        | X         |           |           |           | X         | X         | X         | X         | X         |           |           | X         | X         | X         | X         |           |
| 11    | B.Kumaraswamy         | X        | X        | X        |          | X        | X        | X        | X        | X         |           |           |           | X         | X         | X         | X         | X         |           |           | X         | X         | X         | X         |           |
| 12    | K.ChinnaMadanna       | X        | X        | X        |          | X        | X        | X        | X        | X         |           |           |           | X         | X         | X         | X         | X         |           |           | X         | X         | X         | X         |           |
| 13    | U.Sandhya             | X        | X        | X        |          | X        | X        | X        | X        | X         |           |           |           | X         | X         | X         | X         | X         |           |           | X         | X         | X         | X         |           |
| 14    | B.Vijay               | X        | X        | X        |          | X        | X        | X        | X        | X         |           |           |           | X         | X         | X         | X         | X         |           |           | X         | X         | X         | X         |           |
| 15    | P.Surendra            | X        | X        | X        |          | X        | X        | X        | X        | X         |           |           |           | X         | X         | X         | X         | X         |           |           | X         | X         | X         | X         |           |
| 16    | Akulagoni Ravindra    | X        | X        | X        |          | X        | X        | X        | X        | X         |           |           |           | X         | X         | X         | X         | X         |           |           | X         | X         | X         | X         |           |
| 17    | Aluru Anjali Devi     | X        | X        | X        |          | X        | X        | X        | X        | X         |           |           |           | X         | X         | X         | X         | X         |           |           | X         | X         | X         | X         |           |
| 18    | Boya Chandrasekhar    | X        | X        | X        |          | X        | X        | X        | X        | X         |           |           |           | X         | X         | X         | X         | X         |           |           | X         | X         | X         | X         |           |
| 19    | Maddela Sathish       | X        | X        | X        |          | X        | X        | X        | X        | X         |           |           |           | X         | X         | X         | X         | X         |           |           | X         | X         | X         | X         |           |
| 20    | Sankarapu Yaswanth    | X        | X        | X        |          | X        | X        | X        | X        | X         |           |           |           | X         | X         | X         | X         | X         |           |           | X         | X         | X         | X         |           |

Attendance Sheet 2022-23 Certificate Program

Attendance Sheet 2022-23 Certificate Program

| S.No  | Names of the Students | 21-2-2023 | 22-2-2023 | 23-2-2023 | 24-2-2023 | 25-2-2023 | 26-2-2023 | 27-2-2023 | 28-2-2023 | 29-2-2023 | 30-2-2023 | 31-2-2023 | 1-3-2023 | 2-3-2023 | 3-3-2023 | 4-3-2023 | 5-3-2023 | 6-3-2023 | 7-3-2023 | 8-3-2023 | 9-3-2023 | 10-3-2023 | 11-3-2023 | 12-3-2023 | 13-3-2023 | 14-3-2023 | 15-3-2023 | 16-3-2023 | 17-3-2023 | 18-3-2023 | 19-3-2023 | 20-3-2023 | 21-3-2023 | 22-3-2023 | 23-3-2023 |
|-------|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| S. No | Names of the Students | 1         | 2         | 3         | 4         | 5         | 6         | 7         | 8         | 9         | 10        | 11        | 12       | 13       | 14       | 15       | 16       | 17       | 18       | 19       | 20       | 21        | 22        | 23        |           |           |           |           |           |           |           |           |           |           |           |
| 1     | M.Manohar             |           | X         | X         | X         | X         | X         | X         |           | X         | X         | X         | X        | X        | X        |          | X        | X        |          |          |          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 2     | K.Rajasekhar          |           | X         | X         | X         | X         | X         | X         |           | X         | X         | X         | X        | X        | X        |          | X        | X        |          |          |          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 3     | B.Ramanjineyulu       |           | X         | X         | X         | X         | X         | X         |           | X         | X         | X         | X        | X        | X        |          | X        | X        |          |          |          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 4     | P.Pandu               |           | X         | X         | X         | X         | X         | X         |           | X         | X         | X         | X        | X        | X        |          | X        | X        |          |          |          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 5     | J.Yellamma            |           | X         | X         | X         | X         | X         | X         |           | X         | X         | X         | X        | X        | X        |          | X        | X        |          |          |          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 6     | M.Suresh              |           | X         | X         | X         | X         | X         | X         |           | X         | X         | X         | X        | X        | X        |          | X        | X        |          |          |          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 7     | M.Jyothi              |           | X         | X         | X         | X         | X         | X         |           | X         | X         | X         | X        | X        | X        |          | X        | X        |          |          |          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 8     | P.SivaKrishna         |           | X         | X         | X         | X         | X         | X         |           | X         | X         | X         | X        | X        | X        |          | X        | X        |          |          |          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 9     | V.V.Anand             |           | X         | X         | X         | X         | X         | X         |           | X         | X         | X         | X        | X        | X        |          | X        | X        |          |          |          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 10    | C.Mahesh              |           | X         | X         | X         | X         | X         | X         |           | X         | X         | X         | X        | X        | X        |          | X        | X        |          |          |          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 11    | B.Kumaraswamy         |           | X         | X         | X         | X         | X         | X         |           | X         | X         | X         | X        | X        | X        |          | X        | X        |          |          |          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 12    | K.ChinnaMadanna       |           | X         | X         | X         | X         | X         | X         |           | X         | X         | X         | X        | X        | X        |          | X        | X        |          |          |          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 13    | U.Sandhya             |           | X         | X         | X         | X         | X         | X         |           | X         | X         | X         | X        | X        | X        |          | X        | X        |          |          |          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 14    | B.Vijay               |           | X         | X         | X         | X         | X         | X         |           | X         | X         | X         | X        | X        | X        |          | X        | X        |          |          |          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 15    | P.Surendra            |           | X         | X         | X         | X         | X         | X         |           | X         | X         | X         | X        | X        | X        |          | X        | X        |          |          |          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 16    | Akulagoni Ravindra    |           | X         | X         | X         | X         | X         | X         |           | X         | X         | X         | X        | X        | X        |          | X        | X        |          |          |          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 17    | Aluru Anjali Devi     |           | X         | X         | X         | X         | X         | X         |           | X         | X         | X         | X        | X        | X        |          | X        | X        |          |          |          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 18    | Boya Chandrasekhar    |           | X         | X         | X         | X         | X         | X         |           | X         | X         | X         | X        | X        | X        |          | X        | X        |          |          |          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 19    | Maddela Sathish       |           | X         | X         | X         | X         | X         | X         |           | X         | X         | X         | X        | X        | X        |          | X        | X        |          |          |          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| 20    | Sankarapu Yaswanth    |           | X         | X         | X         | X         | X         | X         |           | X         | X         | X         | X        | X        | X        |          | X        | X        |          |          |          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |

Attendance Sheet 2022-23 Certificate Program

Attendance Sheet 2022-23 Certificate Program



## Government Degree College, Pattikonda

### Department of History

#### Tourism and hospitality services

Tourism and hospitality services was developed by the Department of Economics with the help of the Principal Dr.R.Madhuri for the College's students. By offering a certificate course in General and Health Insurance for 30 days, the Department of History has made a modest start in its effort to teach and enhance the students with knowledge on Insurance. The primary goal of the course, as previously decided, was to impart knowledge about Insurance to the departing pupils. The demands of the final year students are taken into consideration when creating the course's fundamental framework. The course began on 02/02/2023 to 14/03/2023, and ended on 30 October, 2017. The pupils' response was very positive. The Seminar Hall was crowded with eager students for its first presentation.

The principal, Dr.R. Madhuri, spoke to the students and informed them of the significance of Tourism and hospitality service. She also praised the work of the department and complimented Sri Srinivasa reddy, HOD, who served as the course's architect. The course had a high turnout of students. Regular attendance for the classes, which ran from 05.00 PM to 6:30 PM, was 20 students.

The sessions were engaging, educational, and fascinating. The students were able to comprehend how to learn and understand Insurance with the use of handouts, seminars, quizzes, suggested books, and engaging exercises. The pupils' confidence level was raised via brainstorming sessions, discussions, group exercises, and impromptu presentations. The complete course took place. The Course ran its entire course of 30 days and also took informal inputs from the students for making the course better next time.

After the successful completion of the said Certificate course, a valedictory function was held on 14/03/2023. The Principal of the College, Dr.R.Madhuri, graced the occasion. The meeting was presided over by the HOD (History), Sri Srinivasa reddy, HOD. At the end of program Sri Narasaiah, Lecturer in Political Science, proposed the vote of thanks.





# GOVERNMENT DEGREE COLLEGE

PATTIKONDA, KURNOOL-518380, A.P.  
 AFFILIATED TO RAYALASEEMA UNIVERSITY (RU) KURNOOL  
 RE-ACCREDITED BY NAAC WITH 'B' GRADE

Department of History

## Certificate Of Participation

This is to certify that Mr./Miss./Mrs. V. Sandhya studying  
III B.A successfully completed certificat course

Organized by Department of History, Government Degree College  
 Pattikonda, Kurnool(Dt) held from 2-2-2023 to 14-3/2023

Coordinator

Principal

*[Signature]*  
 C. JAYARAMULU, MA, MPA  
 Lecturer in History  
 GOVT. DEGREE COLLEGE,  
 PATTIKONDA, Kurnool Dist

*[Signature]*  
 PRINCIPAL  
 Govt. Degree College  
 PATTIKONDA, Kurnool Dist



GOVERNMENT DEGREE COLLEGE, PATTIKONDA

KURNOOL DIST

Department of History

Certificate course

2021-2022



**GOVERNMENT DEGREE COLLEGE, PATTIKONDA****Department Of History****Minutes of the Department meeting for the conduct of  
Certificate Course in Museum Management**

Date: 12-11-2021

The Department of History, a leader in catering to student needs, has made the decision to widen opportunities for individuals graduating from our college. There is a considerable need for new graduates with employability skills due to the expanding job market, which has been particularly visible in the **Museum Management**. With the straightforward objective of equipping graduating students with the requisite practical Knowledge and abilities, the Department of History has taken the initiative to provide a Certificate Course in **Museum Management**. On 20-11-2021, the Department of History held a meeting with its members on the College's property. The conference was led by the department head, C. Jayaram, and attended by, Narsaiah, and Gangadar lecturers in Commerce. The Department unanimously decided to organize the Certificate Course in **Museum Management** for degree-seeking students at our college, with the lecturers serving as the course instructors and the Department Head serving as chairman. As promised, the Certificate Course would span 45 days.

1. Sri C.Jayaram, Head of the Department
2. Sri Ayyappa, Lecturer in Political Science
3. Dr.H.Marriswamy, Lecturer in Economics

  
8/9/23  
PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
Kurnool Dist A P

**Government DEGREE COLLEGE, PATTIKONDA.****DEPARTMENT OF History****Circular**

Date: 18-11-2021

All the BA., HEP final year degree students are hereby informed that the Department of History is going to start a certificate course in Museum Management. The duration of the course is 30 days. Students need not pay any fee for the course. The classes will commence from November 10 2021. Interested students are required to register their names in the History Department. After successful completion of the course certificate will be provided to the students.



**C. JAYARAMULU, MA, MPhil**  
Coordinator  
Lecturer in History,  
GOVT. DEGREE COLLEGE,  
PATTIKONDA, Kurnool Dist.

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Syllabus

## **Museum Management**

### **Unit-I**

Origin, Meaning, Definition and purposes of Museums-changing role and social relevance of museums.

History and Development of museums in india

### **Unit-II**

Types of museums, classification of the museum

Open Air Museum, Inclusive museum, Community centre

Galleries and virtual museums



**Model question paper (2021-2022)****Museum Management****Maximum marks :50**

Answer any three Questions

3x10=30

- 1) Origin, meaning, Definition and purposes of museum
- 2) Write about the History and development of museums in India?
- 3) Write about the role and social Relevance of museum?
- 4) Write about Types of museums?

II Answer any Four Questions

4 x5=20

1. Techniques of Collections?
2. Conservation
3. Reservation of museum objects
4. Ethical procedure
5. Collection and preservation of old books and Documents

## Students List Registered For 2021-22

| S.No | Admission No | NAME OF THE STUDENT |
|------|--------------|---------------------|
| 1    | 5277         | B.mahesh            |
| 2    | 5282         | B.Vijayakumar       |
| 3    | 5238         | y.vamsi             |
| 4    | 5284         | k.Anjaneyulu        |
| 5    | 5285         | k.rajesh            |
| 6    | 5290         | m.sanjeev karna     |
| 7    | 5287         | M.rajasekhar        |
| 8    | 5294         | N.Lokesh naik       |
| 9    | 5297         | N.Upendra naik      |
| 10   | 5296         | p.venkatesh         |
| 11   | 5298         | P.kasim vali        |
| 12   | 5299         | T.sreedhar          |
| 13   | 5286         | U.naresh            |
| 14   | 5213         | U.shanta kumar      |
| 15   | 5278         | U.narendra          |
|      |              |                     |

## Attendance Sheet 2021-2022 Certificate Programme

|         |                       | 30/11/2021 | 21/11/2021 | 22/11/2021 | 23/11/2021 | 24/11/2021 | 25/11/2021 | 26/11/2021 | 27/11/2021 | 28/11/2021 | 29/11/2021 | 30/11/2021 | 1/12/2021 | 2/12/2021 | 3/12/2021 | 4/12/2021 | 5/12/2021 | 6/12/2021 | 7/12/2021 | 8/12/2021 | 9/12/2021 | 10/12/2021 |
|---------|-----------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|
| Sl. No. | Names of the Students | 1          | 2          | 3          | 4          | 5          | 6          | 7          | 8          | 9          | 10         | 11         | 12        | 13        | 14        | 15        | 16        | 17        | 18        | 19        | 20        | 21         |
| 1       | B mahesh              | X          |            | X          | X          | X          | X          | X          | X          |            | X          | X          | X         | X         | X         | X         |           | X         | X         | X         | X         | X          |
| 2       | R Vijayakuma          | X          |            | X          | X          | X          | X          | X          | X          |            | X          | X          | X         | X         | X         | X         |           | X         | X         | X         | X         | X          |
| 3       | y varma               | X          |            | X          | X          | X          | X          | X          | X          |            | X          | X          | X         | X         | X         | X         |           | X         | X         | X         | X         | X          |
| 4       | k Anjaneyulu          | X          |            | X          | X          | X          | X          | X          | X          |            | X          | X          | X         | X         | X         | X         |           | X         | X         | X         | X         | X          |
| 5       | k.rajesh              | X          |            | X          | X          | X          | X          | X          | X          |            | X          | X          | X         | X         | X         | X         |           | X         | X         | X         | X         | X          |
| 6       | m.sanjeev karna       | X          |            | X          | X          | X          | X          | X          | X          |            | X          | X          | X         | X         | X         | X         |           | X         | X         | X         | X         | X          |
| 7       | M.rajasekhar          | X          |            | X          | X          | X          | X          | X          | X          |            | X          | X          | X         | X         | X         | X         |           | X         | X         | X         | X         | X          |
| 8       | N.Lokesh naik         | X          |            | X          | X          | X          | X          | X          | X          |            | X          | X          | X         | X         | X         | X         |           | X         | X         | X         | X         | X          |
| 9       | N Upendra naik        | X          |            | X          | X          | X          | X          | X          | X          |            | X          | X          | X         | X         | X         | X         |           | X         | X         | X         | X         | X          |
| 10      | p.venkatesh           | X          |            | X          | X          | X          | X          | X          | X          |            | X          | X          | X         | X         | X         | X         |           | X         | X         | X         | X         | X          |
| 11      | P.kasim vali          | X          |            | X          | X          | X          | X          | X          | X          |            | X          | X          | X         | X         | X         | X         |           | X         | X         | X         | X         | X          |
| 12      | T.streedhar           | X          |            | X          | X          | X          | X          | X          | X          |            | X          | X          | X         | X         | X         | X         |           | X         | X         | X         | X         | X          |
| 13      | U.naresh              | X          |            | X          | X          | X          | X          | X          | X          |            | X          | X          | X         | X         | X         | X         |           | X         | X         | X         | X         | X          |
| 14      | U.shanta kumar        | X          |            | X          | X          | X          | X          | X          | X          |            | X          | X          | X         | X         | X         | X         |           | X         | X         | X         | X         | X          |
| 15      | U.narendra            | X          |            | X          | X          | X          | X          | X          | X          |            | X          | X          | X         | X         | X         | X         |           | X         | X         | X         | X         | X          |



| S. No | Names of the Students | 11/12/2021 | 12/12/2021 | 13/12/2021 | 14/12/2021 | 15/12/2021 | 16/12/2021 | 17/12/2021 | 18/12/2021 | 19/12/2021 | 20/12/2021 | 21/12/2021 | 22/12/2021 | 23/12/2021 | 24/12/2021 | 25/12/2021 | 26/12/2021 | 27/12/2021 | 28/12/2021 | 29/12/2021 | 30/12/2021 | 31/12/2021 | 1/1/2022 | 2/1/2022 |
|-------|-----------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|----------|----------|
| 1     | B.mahesh              |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |          |          |
| 2     | B.Vijayakumar         |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |          |          |
| 3     | y.vamsi               |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |          |          |
| 4     | k.Anjaneyulu          |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |          |          |
| 5     | k.rajes               |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |          |          |
| 6     | m.sanjeev karna       |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |          |          |
| 7     | M.rajasekhar          |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |          |          |
| 8     | N.Lokesh naik         |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |          |          |
| 9     | N.Upendra naik        |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |          |          |
| 10    | p.venkatesh           |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |          |          |
| 11    | P.kasim vali          |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |          |          |
| 12    | T.sreedhar            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |          |          |
| 13    | U.naresh              |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |          |          |
| 14    | U.shanta kumar        |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |          |          |
| 15    | U.narendra            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |          |          |



# GOVERNMENT DEGREE COLLEGE

PATTIKONDA, KURNOOL-518380, A.P.  
 AFFILIATED TO RAYALASEEMA UNIVERSITY (RU) KURNOOL  
 RE ACCREDITED BY NAAC WITH 'B' GRADE

Department of History

## Certificate Of Participation

This is to certify that Mr./Miss./Mrs. B. Mahesh studying in

III B.A

successfully completed ' certificat course '

Organized by Department of History, Government Degree College,  
 Pattikonda, Kurnool(Dt) held from 20-11-21 to 6-1-2022

Coordinator

Principal

C. JAYARAMULU, M.A. M.Phil.  
 Lecturer in History  
 GOVT DEGREE COLLEGE,  
 PATTIKONDA, Kurnool Dist.

[Signature]  
 PRINCIPAL  
 GOVT DEGREE COLLEGE  
 PATTIKONDA-518380  
 Kurnool Dist A.P.





GOVERNMENT DEGREE COLLEGE, PATTIKONDA

KURNOOL DIST

Department of History

Certificate course

2020-2021

**GOVERNMENT DEGREE COLLEGE, PATTIKONDA**  
**PROPOSAL FOR THE INTRODUCTION OF CERTIFICATE COURSE IN**  
**Journalistic Reporting and Editing Techniques**

DATE: 15-12-2020

From  
 Sri ,krishnanaih  
 Lecturer in History,  
 Head of Department  
 Govt. Degree College  
 Pattikonda, Kurnool (Dt).

To  
 The Principal,  
 Govt. Degree College, Pattikonda  
 Kurnool (Dt),

Respected Sir,

I would want to suggest that our college hold a certificate programme IIIBA., HEP The demands of departing students are now more regularly communicated to the Department of History. From the lowest to the highest levels of employment, Skills has become useful students. The Department of History is excited to start the course considering all of these factors.

The details or the program are

- |                                          |                                        |
|------------------------------------------|----------------------------------------|
| 1. Name of the proposed program          | : Certificate Course                   |
| 2. Duration and timings of the program   | : 30 days                              |
| 3. Start date of the program             | : Decemebr 12 2020 to February 02-2021 |
| 4. Course fee                            | : Nil                                  |
| 5. No of students expected for admission | : 25                                   |

Yours faithfully

*V. Krishnaiiah*

Head of the Department  
 GOVT DEGREE COLLEGE,  
 PATTIKONDA, Kurnool Dist.  
 (History)

# GOVERNMENT DEGREE COLLEGE, PATTIKONDA

## Department Of History


### Minutes of the Department meeting for the conduct of Certificate Course in Journalistic Reporting and Editing Techniques

Date: 15-12-2020

The Department of History, a leader in catering to student needs, has made the decision to widen opportunities for individuals graduating from our college. There is a considerable need for new graduates with employability skills due to the expanding job market, which has been particularly visible in the **Journalistic Reporting and Editing Techniques**. With the straightforward objective of equipping graduating students with the requisite practical Knowledge and abilities, the Department of History has taken the initiative to provide a Certificate Course in

**Journalistic Reporting and Editing Techniques**. On 10-08-2018, the Department of History held a meeting with its members on the College's property. The conference was led by the department head, Krishnanaiah, and attended by, H.marriswamy lecturer in Economics, and H.Ramanji lecturers in Political Science. The Department unanimously decided to organize the Certificate Course in **Journalistic Reporting and Editing Techniques** for degree-seeking students at our college, with the lecturers serving as the course instructors and the Department Head serving as chairman. As promised, the Certificate Course would span 45 days.

1. Sri Krishnanaiah, Head of the Department
2. Sri H.Ramanji, Lecturer in Political Science
3. Sri H.Marriswamy, Lecturer in Economics

  
PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
Kurnool Dist A P



**Government DEGREE COLLEGE, PATTIKONDA.**

**DEPARTMENT OF History**

**Circular**

Date: 16-12-2020

All the BA., HEP final year degree students are hereby informed that the Department of History is going to start a certificate course in **Journalistic Reporting and Editing Techniques**. The duration of the course is 30 days. Students need not pay any fee for the course. The classes will commence from 23-12-2020. Interested students are required to register their names in the History Department. After successful completion of the course certificate will be provided to the students.

Coordinator

*V. Krishnaiah*

Lecturer in History,  
GOVT DEGREE COLLEGE,  
PATTIKONDA, Kurnool Dist.

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## Syllabus

### **Journalistic Reporting and Editing Techniques**

#### Unit-I

Definition of Journalism, Reporting and editing-History of Indian press and Newspapers-  
Printing Revolution-Importance of print electronic media

#### Unit-II

Source of News-Types of news and news Writing-Principles of Reporting-reporting techniques-  
problem in reporting-qualities of reporter

**Model question paper (2020-2021)****Journalistic Reporting and Editing Techniques****Maximum marks :50****I Answer any three Questions****3x10=30 marks**

1. Definition of Journalism and History of Indian press?
2. Explain Importance of print and electronic media?
3. Explain types of news and news Writing?
4. What are the problems in reporting?

**II Answer any Four Questions****4 x5=20 marks**

1. Electronic media
2. Importance of language
3. indian news agencies
4. importance of photography
5. Qualities of Reporter.



## Students List Registered For 2020-2021

| S.No | Admission No | NAME OF THE STUDENT |
|------|--------------|---------------------|
| 1    | 5237         | G.gopal Krishna     |
| 2    | 5260         | M.Manohar           |
| 3    | 5270         | P.surendra          |
| 4    | 5174         | G.Ramanjaneyulu     |
| 5    | 5175         | M.Ravi prakash      |
| 6    | 5176         | K.Rajasekhar        |
| 7    | 5177         | B.Ramanjaneyulu     |
| 8    | 5178         | p.pandu             |
| 9    | 5267         | j.yellamma          |
| 10   | 5179         | U.sandya            |
| 11   | 5180         | M.jyothi            |
| 12   | 5182         | P.Narasimhanaidu    |
| 13   | 5183         | M.Suresh            |
| 14   | 5251         | C.Mallikarjuna      |
| 15   | 5184         | P.Ravi kumar        |
|      |              |                     |
|      |              |                     |

| Names of the Students | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
|-----------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|
| G.gopal Krishna       | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| M.Manohar             | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| P.surendra            | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| G.Ramananjune yulu    | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| M.Ravi prakash        | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| K.Rajasekhar          | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| B.Ramanjaney ulu      | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| p.pandu               | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| j.yellamma            | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| U.sandya              | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| M.jyothi              | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| P.Narasimhanaidu      | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| M.Suresh              | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| C.Mallikarjuna        | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| P.Ravi kumar          | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |

|    | Names of the Students | 2        | 3        | 4        | 5        | 6        | 7        | 8        | 9        | 10        | 11        | 12        | 13        | 14        | 15        | 16        | 17        | 18        | 19        | 20        | 21        | 22        | 23        | 24        | 25        |
|----|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 1  | G.gopal Krishna       | 2-1-2021 | 3-1-2021 | 4-1-2021 | 5-1-2021 | 6-1-2021 | 7-1-2021 | 8-1-2021 | 9-1-2021 | 10-1-2021 | 11-1-2021 | 12-1-2021 | 13-1-2021 | 14-1-2021 | 15-1-2021 | 16-1-2021 | 17-1-2021 | 18-1-2021 | 19-1-2021 | 20-1-2021 | 21-1-2021 | 22-1-2021 | 23-1-2021 | 24-1-2021 | 25-1-2021 |
| 2  | M.Manohar             | X        |          | X        | X        | X        | X        | X        |          |           | X         | X         | X         | X         | X         | X         |           | X         |           |           |           |           |           |           |           |
| 3  | P.surendra            | X        |          | X        | X        | X        | X        | X        |          |           | X         | X         | X         | X         | X         | X         |           | X         |           |           |           |           |           |           |           |
| 4  | G.Ramanjane yulu      | X        |          | X        | X        | a        | X        | X        |          |           | X         | X         | X         | X         | X         | X         |           | X         |           |           |           |           |           |           |           |
| 5  | M.Ravi prakash        | X        |          | X        | X        | X        | X        | X        |          |           | X         | X         | X         | X         | X         | X         |           | X         |           |           |           |           |           |           |           |
| 6  | K.Rajasekhar          | X        |          | X        | X        | X        | X        | X        |          |           | X         | X         | X         | X         | X         | X         |           | X         |           |           |           |           |           |           |           |
| 7  | B.Ramanjaney ulu      | X        |          | X        | X        | X        | X        | X        |          |           | X         | a         | X         | X         | X         | X         |           | X         |           |           |           |           |           |           |           |
| 8  | p.pandu               | X        |          | X        | X        | X        | X        | X        |          |           | X         | X         | X         | X         | X         | X         |           | X         |           |           |           |           |           |           |           |
| 9  | j.yellamma            | X        |          | X        | X        | X        | X        | X        |          |           | X         | X         | X         | X         | X         | X         |           | X         |           |           |           |           |           |           |           |
| 10 | U.sandya              | X        |          | X        | X        | X        | X        | X        |          |           | X         | X         | X         | X         | X         | X         |           | X         |           |           |           |           |           |           |           |
| 11 | M.jyothi              | X        |          | X        | X        | X        | X        | X        |          |           | X         | X         | X         | X         | X         | X         |           | X         |           |           |           |           |           |           |           |
| 12 | P.Narasimhan aidu     | X        |          | X        | X        | X        | X        | X        |          |           | X         | X         | X         | X         | X         | X         |           | X         |           |           |           |           |           |           |           |
| 13 | M.Suresh              | X        |          | X        | X        | X        | X        | X        |          |           | X         | X         | X         | X         | X         | X         |           | X         |           |           |           |           |           |           |           |
| 14 | C.Mallikarjun a       | X        |          | X        | X        | X        | X        | X        |          |           | X         | X         | X         | X         | X         | X         |           | a         |           |           |           |           |           |           |           |
| 15 | P.Ravi kumar          | X        |          | X        | X        | X        | X        | X        |          |           | X         | X         | X         | X         | X         | X         |           | X         |           |           |           |           |           |           |           |



## PATIKONDA, KUNGOI, 516780, A.P.

IT ACCREDITED BY NAAC WITH 'B' GRADE

## Certificate of Participation

P. Sushendra

III B. A successfully completed 'Certificate course'

Pattikonda, Kurnool(DT) held from ~~6-2-2010~~ 2-2-2022

Principles

Keischnick

GOVT DEGREE COLLEGE,  
PATTIKONDA Kumbalangi

1

PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA.



GOVERNMENT DEGREE COLLEGE, PATTIKONDA

KURNOOL DIST

Department of History

Certificate course

2019-2020





**GOVERNMENT DEGREE COLLEGE, PATTIKONDA**  
**PROPOSAL FOR THE INTRODUCTION OF CERTIFICATE COURSE IN**  
**MODERN PRINCIPLES AND TECHNOLOGIES OF ARCHEOLOGY**

DATE: 10-11-2019

From  
V.Krishnaiah,  
Lecturer in History,  
Head of Department  
Govt. Degree College  
Pattikonda, Kurnool (Dt).

To  
The Principal,  
Govt. Degree College, Pattikonda  
Kurnool (Dt),

Respected Sir,

I would want to suggest that our college hold a certificate programme BA., HEP The demands of departing students are now more regularly communicated to the Department of History. From the lowest to the highest levels of employment, Skills has become useful students. The Department of History is excited to start the course considering all of these factors.

The details of the program are

- |                                          |                                   |
|------------------------------------------|-----------------------------------|
| 1. Name of the proposed program          | : Certificate Course              |
| 2. Duration and timings of the program   | : 30 days                         |
| 3. Start date of the program             | : November 20, 2019 to 26-12-2019 |
| 4. Course fee                            | : Nil                             |
| 5. No of students expected for admission | : 20                              |

Yours faithfully

*V. Krishnaiah*

Head of Department (History)  
GOVT. DEGREE COLLEGE,  
PATTIKONDA, Kurnool Dist.

**GOVERNMENT DEGREE COLLEGE, PATTIKONDA**

**Department Of History**

**Minutes of the Department meeting for the conduct of  
Certificate Course in Modern principles and technologies of Archeology**

Date: 20-11-2019

The Department of History, a leader in catering to student needs, has made the decision to widen opportunities for individuals graduating from our college. There is a considerable need for new graduates with employability skills due to the expanding job market, which has been particularly visible in the Banking Sector. With the straightforward objective of equipping graduating students with the requisite practical Knowledge and abilities, the Department of History has taken the initiative to provide a Certificate Course Modern principles and technology of Archeology.

On 19-09-2019, the Department of History held a meeting with its members on the College's property. The conference was led by the department head, V.Krishnaiah, and attended by, Venkata Narsaiah, and Sri Jayachandra, lecturers in Economics. The Department unanimously decided to organize the Certificate Course Modern principles and technology of Archeology for degree-seeking students at our college, with the lecturers serving as the course instructors and the Department Head serving as chairman. As promised, the Certificate Course would span 45 days.

1. Sri V.Krishnaiah, Head of the Department
2. Sri Dr. Venkata Narsaiah, Lecturer in Political Science
3. Sri Jayachandra, Lecturer in Economics

*B.P. Reddy*  
PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518380  
Kurnool Dist A.P.

**Government DEGREE COLLEGE, PATTIKONDA.**

**DEPARTMENT OF HISTORY**

**Circular**

Date: 13-11-2019

All the BA., HEP final year degree students are hereby informed that the Department of History is going to start a certificate course in **Modern principles and technologies of Archeology**. The duration of the course is 45 days. Students need not pay any fee for the course. The classes will commence from November 20, 2019 to January 5, 2020. Interested students are required to register their names in the History Department. After successful completion of the course certificate will be provided to the students.

*V. Krishniah*

Coordinator

LECTURER IN HISTORY,  
GOVT. DEGREE COLLEGE,  
PATTIKONDA, Kampli Dist.

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## Syllabus

### **Modern principles and technologies of Archeology**

#### Unit-I

Definition Nature and scope of Archaeology Relationship of Archaeology with social and nature science-Application of Digital Technology in Archaeology

GIS and satellite Imagery-computers the Internet

#### Unit-II

Retrieval of Archaeological data Techniques of Exploration Excavation-study of maps-Aerial survey-photography water Exploration-tools of Archaeology

#### Unit-III

Chronology-relative chronology-radiocarbon Dating-principles of conservation Preservation and Documentation of Archaeological antiquities.

**Model question paper (2019-20)**

**Modern principles and technologies of Archeology**

**Time 01:30**

**Maximum marks :50**

**Answer any 3 questions (3x10)**

1. Definition nature of and scope of archaeology?
2. Write about relationship of Archaeology with social and natural science
3. Write about application of Digital technology in archaeology
4. Write techniques of exploration, Excavation, and study maps'

**II Answer any four Questions 4x5=20**

1. GIS and Satellite imagery
2. Aerial survey
3. Water Exploration
4. Principles of conservation
5. Radio carbon dating
6. Tools of Archaeology

Students List Registered For 2019-20

| S.No | Admission | NAME OF THE STUDENT |
|------|-----------|---------------------|
| 1    | 5011      | A.Ravi Kumar        |
| 2    | 5015      | B.Ultheppa          |
| 3    | 5017      | B.Swathi            |
| 4    | 5018      | C.Ashok             |
| 5    | 5023      | G.Radhamma          |
| 6    | 5026      | K.Karthik           |
| 7    | 5028      | K.Arshiya           |
| 8    | 5030      | K.Harikrishna       |
| 9    | 5031      | M.Vinash            |
| 10   | 5023      | M.Rangaswamy        |
| 11   | 5036      | M.Sekhar            |
| 12   | 5040      | P.Imam Bee          |
| 13   | 5041      | P.Kasivishwanath    |
| 14   | 5047      | T.Siva Kumar        |
| 15   | 5055      | Y.Anitha            |
| 16   | 5174      | K.Anjancylu         |
| 17   | 5176      | M.Sanjeevakarna     |
| 18   | 5178      | N.Lokesh Naik       |
| 19   | 5183      | U.Naresh            |
| 20   | 5251      | U.Shantha Kumar     |



# Attendance Sheet 2019-20 Certificate Program

| S. No | Names of the Students | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|-------|-----------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1     | A.Ravi Kumar          | X | X | X | X |   | X | X | X | X | X  | X  |    | X  | X  | X  | X  | X  |    |    | X  | X  | X  | X  |
| 2     | B.Uthappa             | X | X | X | X |   | X | X | X | X | X  | X  |    | X  | X  | X  | X  | X  |    |    | X  | X  | X  | X  |
| 3     | B.Swathi              | X | X | X | X |   | X | X | X | X | X  | X  |    | X  | X  | X  | X  | X  |    |    | X  | X  | X  | X  |
| 4     | C.Ashok               | X | X | X | X |   | X | X | X | X | X  | X  |    | X  | X  | X  | X  | X  |    |    | X  | X  | X  | X  |
| 5     | G.Radhamma            | X | X | X | X |   | X | X | X | X | X  | X  |    | X  | X  | X  | X  | X  |    |    | X  | X  | X  | X  |
| 6     | K.Karthik             | X | X | X | X |   | X | X | X | X | X  | X  |    | X  | X  | X  | X  | X  |    |    | X  | X  | X  | X  |
| 7     | K.Arshiya             | X | X | X | X |   | X | X | X | X | X  | X  |    | X  | X  | X  | X  | X  |    |    | X  | X  | X  | X  |
| 8     | K.Harikrishna         | X | X | X | X |   | X | X | X | X | X  | X  |    | X  | X  | X  | X  | X  |    |    | X  | X  | X  | X  |
| 9     | M.Vinash              | X | X | X | X |   | X | X | X | X | X  | X  |    | X  | X  | X  | X  | X  |    |    | X  | X  | X  | X  |
| 10    | M.Rangaswamy          | X | X | X | X |   | X | X | X | X | X  | X  |    | X  | X  | X  | X  | X  |    |    | X  | X  | X  | X  |
| 11    | M.Sekhar              | X | X | X | X |   | X | X | X | X | X  | X  |    | X  | X  | X  | X  | X  |    |    | X  | X  | X  | X  |
| 12    | P.Imam Bee            | X | X | X | X |   | X | X | X | X | X  | X  |    | X  | X  | X  | X  | X  |    |    | X  | X  | X  | X  |
| 13    | P.Kasivishwanath      | X | X | X | X |   | X | X | X | X | X  | X  |    | X  | X  | X  | X  | X  |    |    | X  | X  | X  | X  |
| 14    | T.Siva Kumar          | X | X | X | X |   | X | X | X | X | X  | X  |    | X  | X  | X  | X  | X  |    |    | X  | X  | X  | X  |
| 15    | Y.Anitha              | X | X | X | X |   | X | X | X | X | X  | X  |    | X  | X  | X  | X  | X  |    |    | X  | X  | X  | X  |
| 16    | K.Anjaneyulu          | X | X | X | X |   | X | X | X | X | X  | X  |    | X  | X  | X  | X  | X  |    |    | X  | X  | X  | X  |
| 17    | M.Sanjeevakumar       | X | X | X | X |   | X | X | X | X | X  | X  |    | X  | X  | X  | X  | X  |    |    | X  | X  | X  | X  |
| 18    | N.Lokesh Naik         | X | X | X | X |   | X | X | X | X | X  | X  |    | X  | X  | X  | X  | X  |    |    | X  | X  | X  | X  |
| 19    | U.Naresh              | X | X | X | X |   | X | X | X | X | X  | X  |    | X  | X  | X  | X  | X  |    |    | X  | X  | X  | X  |
| 20    | U.Shantha Kumar       | X | X | X | X |   | X | X | X | X | X  | X  |    | X  | X  | X  | X  | X  |    |    | X  | X  | X  | X  |

| Names of the Students | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 |
|-----------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| A.Ravi Kumar          | X  | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  |    | X  |    |    |    |    |    |    |    |
| B.Ultheppa            | X  | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  |    | X  |    |    |    |    |    |    |    |
| B.Swathi              | X  | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  |    | X  |    |    |    |    |    |    |    |
| C.Ashok               | X  | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  |    | X  |    |    |    |    |    |    |    |
| G.Radhamma            | X  | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  |    | X  |    |    |    |    |    |    |    |
| K.Karthik             | X  | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  |    | X  |    |    |    |    |    |    |    |
| K.Arshiya             | X  | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  |    | X  |    |    |    |    |    |    |    |
| K.Harikrishna         | X  | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  |    | X  |    |    |    |    |    |    |    |
| M.Vinash              | X  | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  |    | X  |    |    |    |    |    |    |    |
| M.Rangaswamy          | X  | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  |    | X  |    |    |    |    |    |    |    |
| M.Sekhar              | X  | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  |    | X  |    |    |    |    |    |    |    |
| P.Imam Bee            | X  | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  |    | X  |    |    |    |    |    |    |    |
| P.Kasivishwanath      | X  | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  |    | X  |    |    |    |    |    |    |    |
| T.Siva Kumar          | X  | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  |    | X  |    |    |    |    |    |    |    |
| Y.Anitha              | X  | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  |    | X  |    |    |    |    |    |    |    |
| K.Anjaneyulu          | X  | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  |    | X  |    |    |    |    |    |    |    |
| M.Sanjeevakarma       | X  | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  |    | X  |    |    |    |    |    |    |    |
| N.Lokesh Naik         | X  | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  |    | X  |    |    |    |    |    |    |    |
| U.Naresh              | X  | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  |    | X  |    |    |    |    |    |    |    |
| U.Shantha Kumar       | X  | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  |    | X  |    |    |    |    |    |    |    |

13-12-2019

14-12-2019

15-12-2019

16-12-2019

17-12-2019

18-12-2019

19-12-2019

20-12-2019

21-12-2019

22-12-2019

23-12-2019

24-12-2019

25-12-2019

26-12-2019

27-12-2019

28-12-2019

29-12-2019

30-12-2019

31-12-2019

32-12-2019

33-12-2019

34-12-2019

35-12-2019

36-12-2019

37-12-2019

38-12-2019

39-12-2019

40-12-2019



# GOVERNMENT DEGREE COLLEGE

PATTIKONDA, KURNOOL-518380, A.P.  
AFFILIATED TO RAYALASEEMA UNIVERSITY (U) KURNOOL  
RE ACCREDITED BY NAAC WITH 'B' GRADE

Department of History

## Certificate Of Participation

This is to certify that Mr./Miss./Mrs. M. Vinash studying

III B.A successfully completed certificate course

Organized by Department of History, Government Degree College,  
Pattikonda, Kurnool(Dt) held from 24-11-2019 to 26-12-2019

Coordinator

Principal

Krishnaiah

Coordinator  
GOVT DEGREE COLLEGE,  
PATTIKONDA, Kurnool Dist.

B.R. Reddy

PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
Kurnool Dist A.P.





GOVERNMENT DEGREE COLLEGE, PATTIKONDA,

KURNOOL DIST.,

Department of History

Certificate course

2018-19

**GOVERNMENT DEGREE COLLEGE, PATTIKONDA**  
**PROPOSAL FOR THE INTRODUCTION OF CERTIFICATE COURSE IN**  
**Evolution of Telugu cinema and script writing**

DATE: 16-08-2018

From  
Sri Sreenivasa Reddy,  
Lecturer in History,  
Head of Department  
Govt. Degree College  
Pattikonda, Kurnool (Dt).

To  
The Principal,  
Govt. Degree College, Pattikonda  
Kurnool (Dt),

Respected Sir,

I would like to propose that our university conduct a certificate course IIIBA. HEP. The claims of outgoing students are now more regularly forwarded to the History Department. From the lowest to the highest level of employment, students' skills have become useful. The History Department looks forward to launching the course with all these factors in mind.

The details of the program are

- |                                          |                                       |
|------------------------------------------|---------------------------------------|
| 1. Name of the proposed program          | : Certificate Course                  |
| 2. Duration and timings of the program   | : 30 days                             |
| 3. Start date of the program             | : August 16 2018 to September 30-2018 |
| 4. Course fee                            | : Nil                                 |
| 5. No of students expected for admission | : 52                                  |

*Sri Sreenivasa Reddy*  
Yours faithfully  
C. SIVA SANKAR, U. M. M. M. M.  
Lecturer in History  
GOVT. DEGREE COLLEGE  
PATTIKONDA - Kurnool Dist. IL  
Head of the Department  
(History)



# GOVERNMENT DEGREE COLLEGE, PATTIKONDA

## Department Of History

### Minutes of the Department meeting for the conduct of Certificate Course in Evolution of Telugu cinema and script writing

Date: 20-11-2018

The Department of History, a leader in catering to student needs, has made the decision to widen opportunities for individuals graduating from our college. There is a considerable need for new graduates with employability skills due to the expanding job market, which has been particularly visible in the **Evolution of Telugu cinema and script writing**. With the straightforward objective of equipping graduating students with the requisite practical Knowledge and abilities, the Department of History has taken the initiative to provide a Certificate Course in Agricultural and Industrial Development.

On 10-08-2018, the Department of History held a meeting with its members on the College's property. The conference was led by the department head, Srinivasa reddy, and attended by,

Narsaiah, and Gangadar lecturers in Commerce, The Department unanimously decided

to organize the Certificate Course in Evolution of Telugu cinema and script writing for degree-seeking students at our college, with the lecturers serving as the course instructors and the Department Head serving as chairman. As promised, the Certificate Course would span 45 days.

1. Sri Srinivasa reddy, Head of the Department
2. Sri Dr. Venkata Narsaiah, Lecturer in Political Science
3. Sri Vinod kumar, Lecturer in Economics

*B.P. Reddy*  
PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518380  
Kurnool Dist A.P.

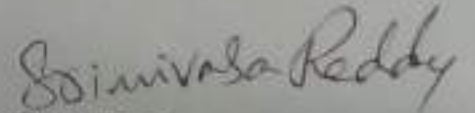
Government DEGREE COLLEGE, PATTIKONDA.

DEPARTMENT OF History

Circular

Date: 14-08-2018

All the BA., HEP, final year degree students are hereby informed that the Department of History is going to start a certificate course in *Evolution of Telugu cinema and script writing*. The duration of the course is 30days. Students need not pay any fee for the course. The classes will commence from August 16,2018 to September 30 2018. Interested students are required to register their names in the History Department. After successful completion of the course certificate will be provided to the students.

  
Coordinator  
GOVT DEGREE COLLEGE,  
PATTIKONDA, Karnool Dist.

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## Syllabus

### **Evolution of Telugu cinema and script writing**

#### Unit-I

What is cinema-origin-Definitions scope of cinema-History of Indian cinema and its importance

Some prominent Indian film makers in other languages Satyajit ray,santha ram,K.Subramanyam,B.R.Pantulu and adoor gopalakrishnan

#### Unit-II

Evolution of telugu cinema under British rule

Mookie to talkie Filims-classical age black and white to colour Filims

Pioneers of telugu cinema Raghupati venkataiah,B.N.Reddy,Gudavalli Ramabrahmam,L.V.Prasad and K.V.Reddy



Model question paper (2018-19)

Evolution of Telugu cinema and script writing

Maximum marks :50

Answer any three Questions

3x10=30

- 1)What is cinema? Origin and Definitions?
- 2)Write about the History of Indian cinema?
- 3)Write about cinema under British rule?
- 4)Write Evolution of telugu cinema mookie to talkie Films

II Answer any Four Questions

4 x5=20

1. Sathyajit ray
2. Santharam
3. K.Subramanyam
4. Raghupati venkatarath
5. B.N.Reddy
6. Gudivalli Ramabrahmam
7. L.V.Prasad

## Students List Registered For 2018-19

| S.No | Admission | NAME OF THE STUDENT |
|------|-----------|---------------------|
| 1    | 5007      | G. Malleswari       |
| 2    | 4768      | Avula Shiva         |
| 3    | 4777      | Boya Somasekhar     |
| 4    | 4781      | Chakali Damodar     |
| 5    | 4779      | Chakali Uma         |
| 6    | 4805      | Karam Nagaraj       |
| 7    | 4806      | Kodam Siva Naidu    |
| 8    | 4804      | Kolantla Raju       |
| 9    | 4814      | Madiga Sreekanth    |
| 10   | 4811      | Mekala Ramakrishna  |
| 11   | 4818      | Nemakanti Vishnu    |
| 12   | 4819      | Pamula Bajari       |
| 13   | 4827      | Talari Chandra Babu |
| 14   | 4821      | Tatageri Pushpavati |
| 15   | 4831      | Vadde Anjaneyulu    |

# Attendance Sheet 2018-19 Certificate Programme

| Names of the Students | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
|-----------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|
| G. Malleswari         | X | X | X |   | X | X | X | X | X | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  | X  |
| Avula Shiva           | X | X | X |   | X | X | X | X | X | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  | X  |
| Boya Somasekhar       | X | X | X |   | X | X | X | X | X | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  | X  |
| Chakali Damodar       | X | X | X |   | X | X | X | X | X | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  | X  |
| Chakali Uma           | X | X | X |   | X | X | X | X | X | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  | X  |
| Karam Nagaraj         | X | X | X |   | X | X | X | X | X | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  | X  |
| Kodam Siva Naidu      | X | X | X |   | X | X | X | X | X | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  | X  |
| Kolantla Raju         | X | X | X |   | X | X | X | X | X | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  | X  |
| Madiga Sreek anth     | X | X | X |   | X | X | X | X | X | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  | X  |
| Mekala Ramakrishna    | X | X | X |   | X | X | X | X | X | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  | X  |
| Nemakanti Vishnu      | X | X | X |   | X | X | X | X | X | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  | X  |
| Pamula Bajari         | X | X | X |   | X | X | X | X | X | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  | X  |
| Talari Chandra Babu   | X | X | X |   | X | X | X | X | X | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  | X  |
| Tatageri Pushpavati   | X | X | X |   | X | X | X | X | X | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  | X  |
| Vadde Anjaneyulu      | X | X | X |   | X | X | X | X | X | X  |    | X  | X  | X  | X  | X  | X  |    | X  | X  | X  |



| Names of the Students | 2/3 | 2/4 | 2/5 | 2/6 | 2/7 | 2/8 | 2/9 | 3/0 | 3/1 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 |
|-----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| G. Malleswari         | X   | X   |     |     | X   | X   | X   | X   | X   | X  |    | X  | X  | X  | X  | X  |    |    |    |    |    |    |    |
| Avula Shiva           | X   | X   |     |     | X   | X   | X   | X   | X   | X  |    | X  | X  | X  | X  | X  |    |    |    |    |    |    |    |
| Boya Somasekhar       | X   | X   |     |     | X   | X   | X   | X   | X   | X  |    | X  | X  | X  | X  | X  |    |    |    |    |    |    |    |
| Chakali Damodar       | X   | X   |     |     | X   | X   | X   | X   | X   | X  |    | X  | X  | X  | X  | X  |    |    |    |    |    |    |    |
| Chakali Uma           | X   | X   |     |     | X   | X   | X   | X   | X   | X  |    | X  | X  | X  | X  | X  |    |    |    |    |    |    |    |
| Karam Nagaraj         | X   | X   |     |     | X   | X   | X   | X   | X   | X  |    | X  | X  | X  | X  | X  |    |    |    |    |    |    |    |
| Kodam Siva Naidu      | X   | X   |     |     | X   | X   | X   | X   | X   | X  |    | X  | X  | X  | X  | X  |    |    |    |    |    |    |    |
| Kolantla Raju         | X   | X   |     |     | X   | X   | X   | X   | X   | X  |    | X  | X  | X  | X  | X  |    |    |    |    |    |    |    |
| Madiga.Sreek anth     | X   | X   |     |     | X   | X   | X   | X   | X   | X  |    | X  | X  | X  | X  | X  |    |    |    |    |    |    |    |
| Mekala Ramakrishna    | X   | X   |     |     | X   | X   | X   | X   | X   | X  |    | X  | X  | X  | X  | X  |    |    |    |    |    |    |    |
| Nemakanti Vishnu      | X   | X   |     |     | X   | X   | X   | X   | X   | X  |    | X  | X  | X  | X  | X  |    |    |    |    |    |    |    |



# GOVERNMENT DEGREE COLLEGE

PATTIKONDA, KURNOOL-518380, A.P.  
 AFFILIATED TO RAYALASEEMA UNIVERSITY (RU) KURNOOL  
 RE-ACCREDITED BY NAAC WITH 'B' GRADE

Department of History

## Certificate Of Participation

This is to certify that Mr./Miss./Mrs. B. Somadekh studying

IV B A successfully completed ' certificate course '

Organized by Department of History, Government Degree College,  
 Pattikonda, Kurnool(Dt) held from 16-8-2018 to 30-9-2018

Coordinator

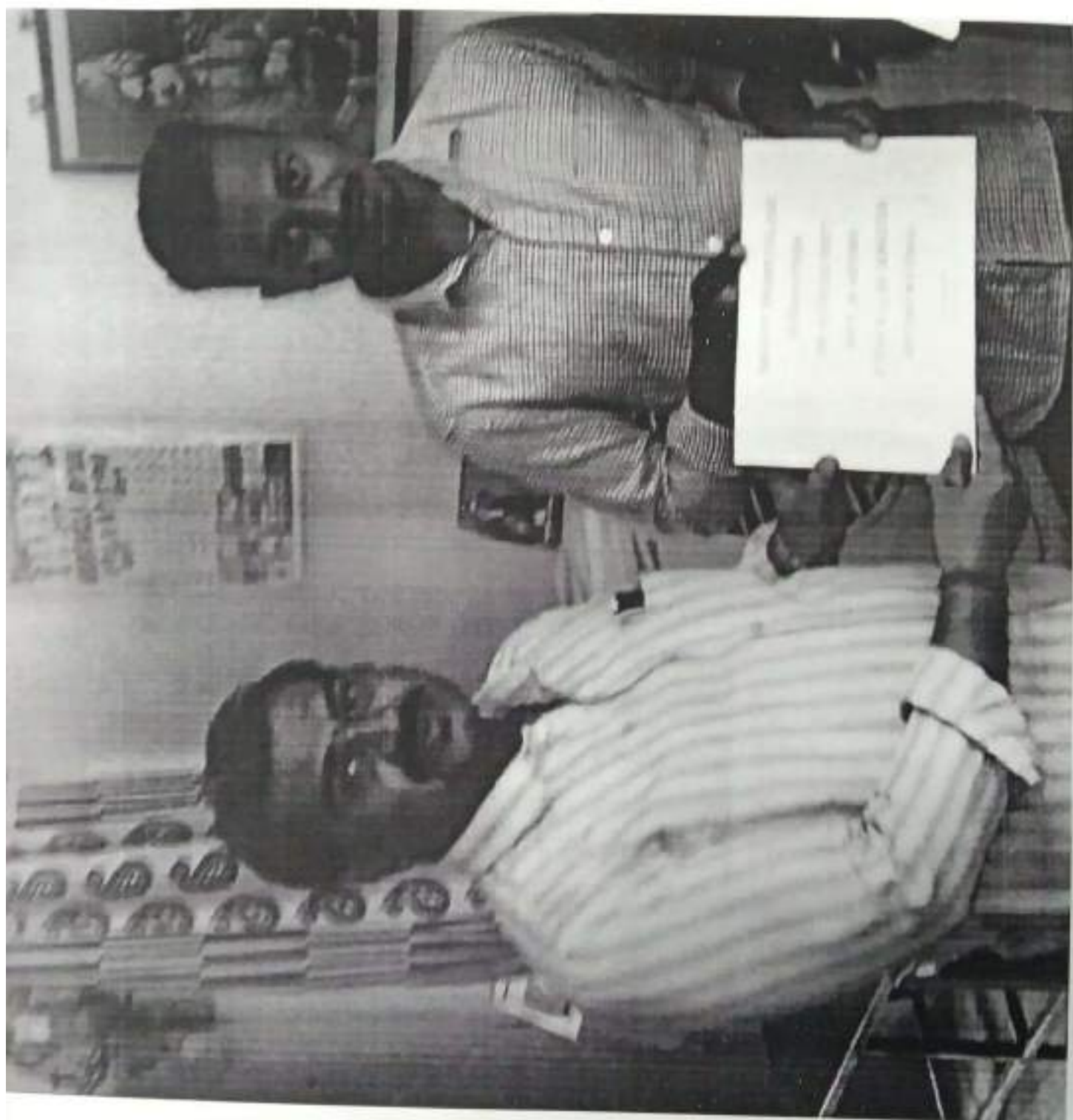
Principal

*S. Srinivas Reddy*

Lecturer in History,  
 GOVT. DEGREE COLLEGE,  
 PATTIKONDA, Kurnool Dist.

*B. P. Reddy*

PRINCIPAL  
 GOVT DEGREE COLLEGE  
 PATTIKONDA-518380  
 Kurnool Dist A P





**GOVERNMENT DEGREE COLLEGE, PATTIKONDA**  
Reaccredited with NAAC B Grade

**Department of Zoology**



**Certificates Courses in Poultry -Broiler Management**  
**From 2018-19 to 2022-2023**



  
**PRINCIPAL**  
Govt. Degree College  
PATTIKONDA, Kurnool Dist

# GOVERNMENT DEGREE COLLEGE, PATTIKONDA

Reaccredited with NAAC B Grade

2018-19 Proposals for the Introduction of Certificate

Course in

## Poultry Broiler Management

Date: 07-08-2018

From  
P. Ramanjaneyulu,  
Lecturer in Zoology,  
Govt. Degree College  
Pattikonda, Kurnool (Dt).

To  
The Principal,  
Govt. Degree College, Pattikonda  
Kurnool (Dt).

Respected Sir,

I would like to suggest that the department of Zoology is going to organize a certificate Course in Poultry Broiler Management basing on the demands of departing students who are now more regularly communicated to the Department of Zoology from the lowest to the highest levels of employment, this course has become fruitful to students. The Department of Zoology is excited to start the course taking into account all of these factors. This course is also very useful for the students for their self employment.

### The details or the program are

- |                                           |                                                      |
|-------------------------------------------|------------------------------------------------------|
| 1. Name of the proposed program           | : A Certificate course in Poultry Broiler Management |
| 2. Duration and timings of the program    | : 45 days                                            |
| 3. Start date of the program              | : 12-08-2018                                         |
| 4. Course fee                             | : free                                               |
| 5. No. of students expected for admission | : 30                                                 |

Yours faithfully

  
PRINCIPAL  
Govt. Degree College  
PATTIKONDA, Kurnool Dist

P. Ramanjaneyulu  
DEPARTMENT OF ZOOLOGY  
In charge of the Department,  
PATTIKONDA, Kurnool



# GOVERNMENT DEGREE COLLEGE, PATTIKONDA

## Department of Zoology 2018-19

### Minutes of the Department meeting for the conduct of Certificate Course in Poultry Broiler Management

Date: 06-08-2018

The Department of Zoology, a leader in catering student needs, has made the decision to widen opportunities for individuals graduating from our College. There is a considerable need for new graduates for providing self-employment to rural background students. These courses also provide employment to the local individuals and daily livelihood. With the straightforward objective of equipping graduating students with the requisite practical abilities, the Department of Zoology has taken the initiative to provide a Certificate Course in Poultry Broiler Management.

On 06-08-2018, the Department of Zoology held a meeting with its members on the College's premises. The meeting was led by the department members and the Department unanimously decided to organize the Certificate Course in Poultry Broiler Management for degree-seeking students at our College, with the lecturers serving as the course instructors and the Department Head serving as chairman. As promised, the Certificate Course would span 45 days which would be very useful to students.

P. Ramanjaneyulu  
DEPARTMENT OF ZOOLOGY  
Sri. P. Ramanjaneyulu  
Govt. Degree College,  
PATTIKONDA, Kurnool  
Contract Faculty

Incharge Department of Zoology



**Government Degree College, Pattikonda.**

**Department of Zoology 2018-2019**

**Date: 09-08-2018**

**Circular**

Zoology Department is starting a certificate course in Broiler Management for final year Students, the duration of the courses, which will last 45 days. There is no fee required for the course, and classes will commence on 12-08-2018. If you're interested in enrolling, please register your name at the department soon! After successfully completing the course, you'll receive a certificate.

*P. Ramarajeyulu*  
DEPARTMENT OF ZOOLOGY  
Coordinator  
Govt. Degree College,  
PATTIKONDA, Kurnool

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**GOVERNMENT DEGREE COLLEGE, PATTIKONDA, KURNOOL DISTRICT**

**Department of Zoology**

**Certificate course in poultry – Broilers Management**

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**SYLLABUS**

**UNIT - I**

- 1.1 Introduction, types of poultry breeds, native, exotic breeds current scenario
- 1.2 Advantages and disadvantages of farming
- 1.3 Broilers housing, equipment and management

**UNIT - II**

- 2.1 Nutrition and feeding
- 2.2 Diseases control and management
- 2.3 Vaccination schedule for Broilers
- 2.4 Marketing strategy, income and expenditure of Broilers

Government Degree College Pattikonda Kurnool [Dist]

Department Of Zoology

Certificate Course in Poultry-Broiler Management

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**MODEL PAPER**

Time:2Hrs

Max.marks:50

**PART-A**

**I Answer any Two of the following:**

**Draw the diagram wherever necessary**

1. Write an account on Bacterial management of broiler
2. Write about the Bacterial of Broilers
3. Explain different types of Farm house
4. Write about the Viral diseases on Broilers

**PART-B**

**II Answer any FOUR of the following:**

**Draw the diagram wherever necessary**

5. Explain advantages and disadvantages of Poultry farming
6. Explain the present of Poultry in India
7. Describe the methods of Broiler feeding
8. Write Vaccination Schedule for Broilers
9. Explain any two types of feeders
10. Give an account on economic importance of Broilers



# Government Degree College, Pattikonda

## Department of Zoology

2018-19

### Final Report of Certificate Course in Poultry Broiler Management

Poultry Broiler Management Programme was developed & designed by department of zoology with the help of the Principal for III B.Z.C students. By offering the 45-days Certificate course in Poultry Broiler Management has made a humble beginning in its efforts to teach and improve students' practical knowledge for livelihood. The main objective of the course, as decided earlier, was to impart commercial strategy and to create awareness from rural area students. The requirements of final year students are taken into account when creating the basic framework of the course. The feedback from the students was very positive.

The Principal, spoke to the students about the self-employment skills and knowledgeable them of the importance of rich protein values and low cholesterol, as the population is enormously increasing day by day the government also insist animal husbandry and poultry farming in the rural areas. The government also provided financial subsidy to the poultry farmers.

*G. Indiradevi*  
DEPARTMENT OF ZOOLOGY  
Coordinator  
Govt. Degree College,  
PATTIKONDA, Kurnool



*[Signature]*  
Principal  
GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
Kurnool Dist A P

CLASSIFIED

Name of the Institute Govt. Dargah College, Bellur, K. R.

| No. on list at <del>the</del> beginning of the month | Admitted during the month | Left No. on list at end of month |
|------------------------------------------------------|---------------------------|----------------------------------|
|------------------------------------------------------|---------------------------|----------------------------------|

Section D of  $P_2 \in P_{2,1}$ 

날짜 12.8.2018 to 03.10.2018

| No. of Working days | Average Attendance during the month | No. on Roll during month |
|---------------------|-------------------------------------|--------------------------|
|---------------------|-------------------------------------|--------------------------|

P. S. Govindarao Reddy

DEPARTMENT OF ZOOLOGY  
Govt. Degree College,  
BETHKONDA, Bhubaneswar





**Government Degree College, Pattikonda**

**Pattikonda, Kurnool-518380, A.P.**

**Affiliated to Rayalaseema University (RU) Kurnool-**

**Re-Accredited By NAAC with 'B' Grade**

## **Department of Zoology**

### *Certificate of Participant*

This is to certify that

Mr./Miss/Mrs. \_\_\_\_\_ studying \_\_\_\_\_ successfully completed 'A Certificate Course  
in poultry broiler management' Organized by Department of Zoology, Government Degree College, Pattikonda,  
Kurnool (DA) held from 17-11-2017 to 30-12-2017.

Coordinator



  
Principal

**PRINCIPAL**  
**GOVT DEGREE COLLEGE**  
**PATTIKONDA-518 380**  
**Kurnool Dist A P**



# GOVERNMENT DEGREE COLLEGE, PATTIKONDA

Reaccredited with NAAC B Grade

2019-2020 Proposals for the Introduction of Certificate

Course in

## Poultry Broiler Management

Date: 11-09-2019

From  
P. Ramanjaneyulu,  
Lecturer in Zoology,  
Govt. Degree College,  
Pattikonda, Kurnool (Dt).

To  
The Principal,  
Govt. Degree College, Pattikonda  
Kurnool (Dt).

Respected Sir,

I would like to suggest that the department of Zoology is going to organize a certificate Course in Poultry Broiler Management basing on the demands of departing students who are now more regularly communicated to the Department of Zoology from the lowest to the highest levels of employment, this course has become fruitful to students. The Department of Zoology is excited to start the course taking into account all of these factors. This course is also very useful for the students for their self-employment.

### The details of the program are

- |                                           |                                                      |
|-------------------------------------------|------------------------------------------------------|
| 1. Name of the proposed program           | : A Certificate course in Poultry Broiler Management |
| 2. Duration and timings of the program    | : 45 days                                            |
| 3. Start date of the program              | : 16-09-2019                                         |
| 4. Course fee                             | : free                                               |
| 5. No. of students expected for admission | : 30                                                 |

Yours faithfully

  
PRINCIPAL  
Govt. Degree College  
PATTIKONDA, Kurnool Dist



P. Ramanjaneyulu  
In charge of the Department  
DEPARTMENT OF ZOOLOGY  
Govt. Degree College,  
PATTIKONDA, Kurnool

# GOVERNMENT DEGREE COLLEGE, PATTIKONDA

## Department of Zoology 2019-20

### Minutes of the Department meeting for the conduct of Certificate Course in Poultry Broiler Management

Date: 09-09-2019

The Department of Zoology, a leader in catering student needs, has made the decision to widen opportunities for individuals graduating from our College. There is a considerable need for new graduates for providing self-employment to rural background students. These courses also provide employment to the local individuals and daily livelihood. With the straightforward objective of equipping graduating students with the requisite practical abilities, the Department of Zoology has taken the initiative to provide a Certificate Course in Poultry Broiler Management.

On 09-09-2019, the Department of Zoology held a meeting with its members on the College's premises. The meeting was led by the department members and the Department unanimously decided to organize the Certificate Course in Poultry Broiler Management for degree-seeking students at our College, with the lecturers serving as the course instructors and the Department Head serving as chairman. As promised, the Certificate Course would span 45 days which would be very useful to students.

*G. Indiradevi*  
DEPARTMENT OF ZOOLOGY  
Smt. Indira Devi College,  
PATTIKONDA, Kurnool  
Contract Faculty

Sri.P.Ramanjaneyulu  
Contract Faculty  
*P. Ramanjaneyulu*  
DEPARTMENT OF ZOOLOGY  
Govt. Degree College,  
PATTIKONDA, Kurnool

**Government Degree College, Pattikonda.**

**Department of Zoology 2019-2020**

**Date: 12-09-2019**

**Circular**

Zoology Department is starting a certificate course in Broiler Management for final year Students, the duration of the courses, which will last 45 days. There is no fee required for the course, and classes will commence on 16-09-2019. If you're interested in enrolling, please register your name at the department soon! After successfully completing the course, you'll receive a certificate.

P. Ramanjaneyulu  
DEPARTMENT OF ZOOLOGY  
Coordinator  
Govt. Degree College,  
PATTIKONDA, Kurnool

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**GOVERNMENT DEGREE COLLEGE, PATTIKONDA, KURNOOL DISTRICT**

**Department of Zoology**

**Certificate course in poultry – Broilers Management**

---

**SYLLABUS**

**UNIT - I**

- 1.1 Introduction, types of poultry breeds, native, exotic breeds current scenario
- 1.2 Advantages and disadvantages of farming
- 1.3 Broilers housing, equipment and management

**UNIT - II**

- 2.1 Nutrition and feeding
- 2.2 Diseases control and management
- 2.3 Vaccination schedule for Broilers
- 2.4 Marketing strategy, income and expenditure of Broilers

Government Degree College Pattikonda Kurnool [Dist]

Department Of Zoology

Certificate Course in Poultry-Broiler Management

---

**MODEL PAPER**

Time:2Hrs

Max.marks:50

**PART-A**

**I Answer any Two of the following:**

**Draw the diagram wherever necessary**

1. Write an account on Bacterial management of broiler
2. Write about the Bacterial of Broilers
3. Explain different types of Farm house
4. Write about the Viral diseases on Broilers

**PART-B**

**II Answer any FOUR of the following:**

**Draw the diagram wherever necessary**

5. Explain advantages and disadvantages of Poultry farming
6. Explain the present of Poultry in India
7. Describe the methods of Broiler feeding
8. Write Vaccination Schedule for Broilers
9. Explain any two types of feeders
10. Give an account on economic importance of Broilers

# Government Degree College, Pattikonda

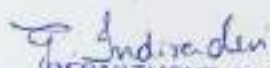
## Department of Zoology

2019-20

### Final Report of Certificate Course in Poultry Broiler Management

Poultry Broiler Management Programme was developed & designed by department of zoology with the help of the Principal for III B.Z.C students. By offering the 45-days Certificate course in Poultry Broiler Management has made a humble beginning in its efforts to teach and improve students' practical knowledge for livelihood. The main objective of the course, as decided earlier, was to impart commercial strategy and to create awareness from rural area students. The requirements of final year students are taken into account when creating the basic framework of the course. The feedback from the students was very positive.

The Principal, spoke to the students about the self-employment skills and knowledgeable them of the importance of rich protein values and low cholesterol, as the population is enormously increasing day by day the government also insist animal husbandry and poultry farming in the rural areas. The government also provided financial subsidy to the poultry farmers.

  
DEPARTMENT OF ZOOLOGY  
Govt. Degree College,  
Coordinator  
PATTIKONDA, Kurnool

  
Principal  
PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
Kurnool Dist A P





**GOVERNMENT DEGREE COLLEGE, PATTIKONDA**  
**Reaccredited with NAAC B Grade**

2020-21 Proposals for the Introduction of Certificate

Course in

**Poultry Broiler Management**

Date: 14-01-2021

From  
P. Ramanjaneyulu,  
Lecturer in Zoology,  
Govt. Degree College,  
Pattikonda, Kurnool (Dt).

To  
The Principal,  
Govt. Degree College, Pattikonda,  
Kurnool (Dt).

Respected Sir,

I would like to suggest that the department of Zoology is going to organize a certificate Course in **Poultry Broiler Management** basing on the demands of departing students who are now more regularly communicated to the Department of Zoology from the lowest to the highest levels of employment, this course has become fruitful to students. The Department of Zoology is excited to start the course taking into account all of these factors. This course is also very useful for the students for their self-employment.


The details of the program are

- |                                           |                                                      |
|-------------------------------------------|------------------------------------------------------|
| 1. Name of the proposed program           | : A Certificate course in Poultry Broiler Management |
| 2. Duration and timings of the program    | : 45 days                                            |
| 3. Start date of the program              | : 19-01-2021                                         |
| 4. Course fee                             | : free                                               |
| 5. No. of students expected for admission | : 30                                                 |

Yours faithfully

  
PRINCIPAL  
Govt. Degree College  
PATTIKONDA, Kurnool Dist



  
In charge of the Department  
Lecturer in Zoology,  
Govt. Degree College,  
PATTIKONDA-518 580; Kurnool Dt.



# GOVERNMENT DEGREE COLLEGE, PATTIKONDA

## Department of Zoology 2020-2021

### Minutes of the Department meeting for the conduct of Certificate Course in Poultry Broiler Management

Date: 12-01-2021

The Department of Zoology, a leader in catering student needs, has made the decision to widen opportunities for individuals graduating from our College. There is a considerable need for new graduates for providing self-employment to rural background students. These courses also provide employment to the local individuals and daily livelihood. With the straightforward objective of equipping graduating students with the requisite practical abilities, the Department of Zoology has taken the initiative to provide a Certificate Course in Poultry Broiler Management.

On 12-01-2021, the Department of Zoology held a meeting with its members on the College's premises. The meeting was led by the department members and the Department unanimously decided to organize the Certificate Course in Poultry Broiler Management for degree-seeking students at our College, with the lecturers serving as the course instructors and the Department Head serving as chairman. As promised, the Certificate Course would span 45 days which would be very useful to students.

P. Ramanjaneyulu  
DEPARTMENT OF ZOOLOGY  
Sri P. Ramanjaneyulu  
Govt. Degree College,  
PATTIKONDA, Kurnool  
Contract Faculty




**Government Degree College, Pattikonda.**

**Department of Zoology 2021-2022**

Date: 09-12-2021

**Circular**

Zoology Department is starting a certificate course in Broiler Management for final year Students, the duration of the courses, which will last 45 days. There is no fee required for the course, and classes will commence on 13-12-2021. If you're interested in enrolling, please register your name at the department soon! After successfully completing the course, you'll receive a certificate.

  
Coordinator  
Lecturer in Zoology  
Govt. Degree College,  
PATTIKONDA-518 350, Kurnool Dist.

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GOVERNMENT DEGREE COLLEGE, PATTIKONDA, KURNOOL DISTRICT

Department of Zoology

Certificate course in poultry – Broilers Management

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SYLLABUS

UNIT - I

- 1.1 Introduction, types of poultry breeds, native, exotic breeds current scenario
- 1.2 Advantages and disadvantages of farming
- 1.3 Broilers housing, equipment and management

UNIT - II

- 2.1 Nutrition and feeding
- 2.2 Diseases control and management
- 2.3 Vaccination schedule for Broilers
- 2.4 Marketing strategy, income and expenditure of Broilers

Government Degree College Pattikonda Kurnool [Dist]

Department Of Zoology

Certificate Course in Poultry-Broiler Management

---

**MODEL PAPER**

Time:2Hrs

Max.marks:50

**PART-A**

**I Answer any Two of the following:**

**Draw the diagram wherever necessary**

1. Write an account on Bacterial management of broiler
2. Write about the Bacterial of Broilers
3. Explain different types of Farm house
4. Write about the Viral diseases on Broilers

**PART-B**

**II Answer any FOUR of the following:**

**Draw the diagram wherever necessary**

5. Explain advantages and disadvantages of Poultry farming
6. Explain the present of Poultry in India
7. Describe the methods of Broiler feeding
8. Write Vaccination Schedule for Broilers
9. Explain any two types of feeders
10. Give an account on economic importance of Broilers



# Government Degree College, Pattikonda

## Department of Zoology

2020-2021

### Final Report of Certificate Course in Poultry Broiler Management

Poultry Broiler Management Programme was developed & designed by department of zoology with the help of the Principal for III B.Z.C students. By offering the 45-days Certificate course in Poultry Broiler Management has made a humble beginning in its efforts to teach and improve students' practical knowledge for livelihood. The main objective of the course, as decided earlier, was to impart commercial strategy and to create awareness from rural area students. The requirements of final year students are taken into account when creating the basic framework of the course. The feedback from the students was very positive.

The Principal, spoke to the students about the self-employment skills and knowledgeable them of the importance of rich protein values and low cholesterol, as the population is enormously increasing day by day the government also insist animal husbandry and poultry farming in the rural areas. The government also provided financial subsidy to the poultry farmers.

*G. Indiradevi*

DEPARTMENT OF ZOOLOGY  
Coordinator  
Govt. Degree College,  
PATTIKONDA, Kurnool

*[Signature]*  
Principal

GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
Kurnool Dist A P

# REGISTER OF ATTENDANCE & FEES

FOR THE MONTH OF March 2020



Name of the Institute

G D C Pattikonda

Section

III B ZC

Place

| Sl. No. | Admission No. | NAMES               | 11/3/20 | 12/3/20 | 13/3/20 | 14/3/20 | 15/3/20 | 16/3/20 | 17/3/20 | 18/3/20 | 19/3/20 | 20/3/20 | 21/3/20 | 22/3/20 | 23/3/20 | 24/3/20 | 25/3/20 | 26/3/20 | 27/3/20 | 28/3/20 | 29/3/20 | 30/3/20 | 31/3/20 | Total | Date of payment |
|---------|---------------|---------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------|-----------------|
|         |               |                     |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |       |                 |
| 1       | 8001          | S. Tahara Bony      |         |         | a       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         | 26    |                 |
| 2       | 8002          | A. Narasimha Naidu  |         | a       |         |         |         |         |         | a       |         |         |         |         |         |         |         |         |         |         |         |         |         | 26    |                 |
| 3       | 8003          | G. Shikanta         |         |         | a       |         |         |         |         | a       |         |         |         |         |         |         |         |         |         |         |         |         |         | 26    |                 |
| 4       | 8004          | G. K. Manjunath     | a       |         |         |         |         |         |         |         | a       |         |         |         |         |         |         |         |         |         |         |         |         | 26    |                 |
| 5       | 8005          | B. p. k. w. l. k. a |         |         | a       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         | 26    |                 |
| 6       | 8006          | B. Ganganna         |         | a       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         | 26    |                 |
| 7       | 8007          | B. Ramesh           |         | a       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         | 26    |                 |
| 8       | 8008          | B. M. Rameswamy     |         | a       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         | 26    |                 |
| 9       | 8009          | B. Ramesh           | a       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         | 26    |                 |
| 10      | 8010          | B. Ranganna         |         |         | a       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         | 26    |                 |
| 11      | 8011          | B. Vinod Kumar      |         |         |         | a       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         | 26    |                 |
| 12      | 8012          | C. Mani Swamy       | a       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         | 26    |                 |
| 13      | 8013          | D. Janaki           |         |         | a       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         | 26    |                 |
| 14      | 8014          | D. Siva Kumar       |         |         |         | a       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         | 26    |                 |
| 15      | 8015          | G. Hari Krishna     | a       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         | 26    |                 |
| 16      | 8016          | G. Ramesh           |         |         | a       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         | 26    |                 |
| 17      | 8017          | G. Hari             |         | a       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         | 26    |                 |
| 18      | 8018          | G. Ramadu           | a       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         | 26    |                 |
| 19      | 8019          | G. V. Chinna        |         | a       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         | 26    |                 |
| 20      | 8020          | G. Rajasekhar       |         |         | a       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         | 26    |                 |
| 21      | 8021          | G. Mallika          |         | a       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         | 26    |                 |
| 22      | 8022          | G. Chandrasekhar    | a       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         | 26    |                 |
| 23      | 8023          | G. Hari Krishna     |         | a       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         | 26    |                 |
| 24      | 8024          | K. Vimala           |         |         | a       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         | 26    |                 |
| 25      | 8025          | K. Ramanaidu        | a       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         | 26    |                 |

Number present M  
Daily E

Initials M  
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Lecturer in Charge  
Govt. Degree College  
PATTIKONDA - 518 300, K. R. S. Road D







**GOVERNMENT DEGREE COLLEGE, PATTIKONDA**  
**Reaccredited with NAAC B Grade**

2021-2022 Proposals for the Introduction of Certificate

Course in

**Poultry Broiler Management**

Date: 08-12-2021

From  
P. Ramanjaneyulu,  
Lecturer in Zoology,  
Govt. Degree College,  
Pattikonda, Kurnool (Dt).

To  
The Principal,  
Govt. Degree College, Pattikonda  
Kurnool (Dt).

Respected Sir,

I would like to suggest that the department of Zoology is going to organize a certificate Course in **Poultry Broiler Management** basing on the demands of departing students who are now more regularly communicated to the Department of Zoology from the lowest to the highest levels of employment, this course has become fruitful to students. The Department of Zoology is excited to start the course taking into account all of these factors. This course is also very useful for the students for their self-employment.

The details of the program are

- |                                           |                                                      |
|-------------------------------------------|------------------------------------------------------|
| 1. Name of the proposed program           | : A Certificate course in Poultry Broiler Management |
| 2. Duration and timings of the program    | : 45 days                                            |
| 3. Start date of the program              | : 13-12-2021                                         |
| 4. Course fee                             | : free                                               |
| 5. No. of students expected for admission | : 30                                                 |

Yours faithfully

  
/ PRINCIPAL  
Govt. Degree College  
PATTIKONDA, Kurnool Dist



  
In charge of the Department  
Lecturer in Zoology,  
Govt. Degree College,  
PATTIKONDA-518 380, Kurnool Dist.

# GOVERNMENT DEGREE COLLEGE, PATTIKONDA

## Department of Zoology 2021-2022

Minutes of the Department meeting for the conduct of  
Certificate Course in Poultry Broiler Management

Date: 06-12-2021

The Department of Zoology, a leader in catering student needs, has made the decision to widen opportunities for individuals graduating from our College. There is a considerable need for new graduates for providing self-employment to rural background students. These courses also provide employment to the local individuals and daily livelihood. With the straightforward objective of equipping graduating students with the requisite practical abilities, the Department of Zoology has taken the initiative to provide a Certificate Course in Poultry Broiler Management.

On 06-12-2021, the Department of Zoology held a meeting with its members on the College's premises. The meeting was led by the department members and the Department unanimously decided to organize the Certificate Course in Poultry Broiler Management for degree-seeking students at our College, with the lecturers serving as the course instructors and the Department Head serving as chairman. As promised, the Certificate Course would span 45 days which would be very useful to students.

Dr. Md. Osman Ahmed

Incharge Department of Zoology

Sri. Ramesh (G.F)

  
Lecturer in Zoology,  
Govt. Degree College,  
PATTIKONDA-518 380, Kuchanod Dr.

# **Government Degree College, Pattikonda.**

## **Department of Zoology 2020-2021**

Date: 15-01-2021

### **Circular**

Zoology Department is starting a certificate course in Broiler Management for final year Students, the duration of the courses, which will last 45 days. There is no fee required for the course, and classes will commence on 19-01-2021. If you're interested in enrolling, please register your name at the department soon! After successfully completing the course, you'll receive a certificate.

*G. Indira Devi*  
Coordinator  
DEPARTMENT OF ZOOLOGY  
Govt. Degree College,  
PATTIKONDA, Kurnool

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**GOVERNMENT DEGREE COLLEGE, PATTIKONDA ,KURNOOL DISTRICT**

**Department of Zoology**

**Certificate course in poultry – Broilers Management**

**2021--2022**

---

**SYLLABUS**

**UNIT - I**

- 1.1 Introduction, types of poultry breeds, native, exotic breeds current scenario
- 1.2 Advantages and disadvantages of farming
- 1.3 Broilers housing, equipment and management

**UNIT - II**

- 2.1 Nutrition and feeding
- 2.2 Diseases control and management
- 2.3 Vaccination schedule for Broilers
- 2.4 Marketing strategy, income and expenditure of Broilers

Government Degree College Pattikonda Kurnool [Dist]

Department Of Zoology

Certificate Course in Poultry-Broiler Management

---

**MODEL PAPER**

Time:2Hrs

Max.marks:50

**PART-A**

**I Answer any Two of the following:**

**Draw the diagram wherever necessary**

1. Write an account on Bacterial management of broiler
2. Write about the Bacterial of Broilers
3. Explain different types of Farm house
4. Write about the Viral diseases on Broilers

**PART-B**

**II Answer any FOUR of the following:**

**Draw the diagram wherever necessary**

5. Explain advantages and disadvantages of Poultry farming
6. Explain the present of Poultry in India
7. Describe the methods of Broiler feeding
8. Write Vaccination Schedule for Broilers
9. Explain any two types of feeders
10. Give an account on economic importance of Broilers

# Government Degree College, Pattikonda

## Department Of Zoology

### Final Report of Certificate Course 21-22

In

### *Poultry Broiler Management*

Poultry Broiler Management Programme was developed & designed by department of zoology with the help of the Principal for III B.Z.C students. By offering the 45-days Certificate course in Poultry Broiler Management has made a humble beginning in its efforts to teach and improve students' practical knowledge for livelihood. The main objective of the course, as decided earlier, was to impart commercial strategy and to create awareness from rural area students. The requirements of final year students are taken into account when creating the basic framework of the course. The feedback from the students was very positive.

The I.Q.A.C. Coordinator, Head of the department of Zoology and course coordinator Dr.Md.Osman Ahmed quoted that Poultry farming is one of the fastest-growing sectors in Indian agriculture and provides a significant source of protein for the country's meat-eating population. Andhra Pradesh accounts for production of 3.5 crore live birds every month, which is one-third of the country's production, apart from six crore eggs a day. In revenue terms, poultry's contribution to the State's annual GDP is estimated at Rs. 20,000 crore with employment to close to 20 lakh people.

The Principal, spoke to the students about the self-employment skills and knowledgeable them of the importance of rich protein values and low cholesterol, as the population is enormously increasing day by day the government also insist animal husbandry and poultry farming in the rural areas. The government also provided financial subsidy to the poultry farmers.

Upon the successful completion of the aforementioned Certificate programme, a farewell celebration was organized on the last day of the programme. The event was graced by the college principal. The programme was concluded by vote of thanks.

  
Coordinator

Govt. Degree College,  
PATTIKONDA-518 380, Kurumal Dt.

  
Principal

PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
Kurumal Dist. A.P.



| Sl. No. |      | Admission No.       | NAMES | 17/12/2021 |   |   |   |   |   |   |   |   |    |    |    | 18/12/2021 |   |   |   |   |   |   |   |   |    |    |    | No. of days present | FEES |    | Date of payment |
|---------|------|---------------------|-------|------------|---|---|---|---|---|---|---|---|----|----|----|------------|---|---|---|---|---|---|---|---|----|----|----|---------------------|------|----|-----------------|
|         |      |                     |       | 1          | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 1          | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |                     | Rs.  | P. |                 |
| 1       | 8001 | A. puspalatha       | /     | /          | / | / | / | / | / | / | / | / | /  | /  | /  | /          | / | / | / | / | / | / | / | / | /  | /  | /  | 26                  |      |    |                 |
| 2       | 8002 | B. Greetan Jali     | /     | /          | / | / | / | / | / | / | / | / | /  | /  | /  | /          | / | / | / | / | / | / | / | / | /  | /  | /  | 26                  |      |    |                 |
| 3       | 8003 | B. Kumar Swamy      | /     | /          | / | / | / | / | / | / | / | / | /  | /  | /  | /          | / | / | / | / | / | / | / | / | /  | /  | /  | 26                  |      |    |                 |
| 4       | 8004 | B. Anusha           | /     | /          | / | / | / | / | / | / | / | / | /  | /  | /  | /          | / | / | / | / | / | / | / | / | /  | /  | /  | 26                  |      |    |                 |
| 5       | 8005 | B. Madhu babu       | /     | /          | / | / | / | / | / | / | / | / | /  | /  | /  | /          | / | / | / | / | / | / | / | / | /  | /  | /  | 26                  |      |    |                 |
| 6       | 8006 | B. Mallika          | /     | /          | / | / | / | / | / | / | / | / | /  | /  | /  | /          | / | / | / | / | / | / | / | / | /  | /  | /  | 26                  |      |    |                 |
| 7       | 8007 | B. Sujil            | /     | /          | / | / | / | / | / | / | / | / | /  | /  | /  | /          | / | / | / | / | / | / | / | / | /  | /  | /  | 26                  |      |    |                 |
| 8       | 8008 | B. Noorain kumar    | /     | /          | / | / | / | / | / | / | / | / | /  | /  | /  | /          | / | / | / | / | / | / | / | / | /  | /  | /  | 26                  |      |    |                 |
| 9       | 8009 | B. Ramanjineyulu    | /     | /          | / | / | / | / | / | / | / | / | /  | /  | /  | /          | / | / | / | / | / | / | / | / | /  | /  | /  | 26                  |      |    |                 |
| 10      | 8010 | B. Mahi karmi       | /     | /          | / | / | / | / | / | / | / | / | /  | /  | /  | /          | / | / | / | / | / | / | / | / | /  | /  | /  | 26                  |      |    |                 |
| 11      | 8011 | C. Ashok Kumar      | /     | /          | / | / | / | / | / | / | / | / | /  | /  | /  | /          | / | / | / | / | / | / | / | / | /  | /  | /  | 26                  |      |    |                 |
| 12      | 8012 | C. Suresh           | /     | /          | / | / | / | / | / | / | / | / | /  | /  | /  | /          | / | / | / | / | / | / | / | / | /  | /  | /  | 26                  |      |    |                 |
| 13      | 8013 | C. Ajay Kumar       | /     | /          | / | / | / | / | / | / | / | / | /  | /  | /  | /          | / | / | / | / | / | / | / | / | /  | /  | /  | 26                  |      |    |                 |
| 14      | 8014 | C. Sudarshi         | /     | /          | / | / | / | / | / | / | / | / | /  | /  | /  | /          | / | / | / | / | / | / | / | / | /  | /  | /  | 26                  |      |    |                 |
| 15      | 8015 | G. Somanna          | /     | /          | / | / | / | / | / | / | / | / | /  | /  | /  | /          | / | / | / | / | / | / | / | / | /  | /  | /  | 26                  |      |    |                 |
| 16      | 8016 | G. Subendra         | /     | /          | / | / | / | / | / | / | / | / | /  | /  | /  | /          | / | / | / | / | / | / | / | / | /  | /  | /  | 26                  |      |    |                 |
| 17      | 8017 | G. Venkatesh        | /     | /          | / | / | / | / | / | / | / | / | /  | /  | /  | /          | / | / | / | / | / | / | / | / | /  | /  | /  | 26                  |      |    |                 |
| 18      | 8018 | G. Naga laxmi       | /     | /          | / | / | / | / | / | / | / | / | /  | /  | /  | /          | / | / | / | / | / | / | / | / | /  | /  | /  | 26                  |      |    |                 |
| 19      | 8019 | H. Chinnappa        | /     | /          | / | / | / | / | / | / | / | / | /  | /  | /  | /          | / | / | / | / | / | / | / | / | /  | /  | /  | 26                  |      |    |                 |
| 20      | 8020 | J.K. Jyothsna praja | /     | /          | / | / | / | / | / | / | / | / | /  | /  | /  | /          | / | / | / | / | / | / | / | / | /  | /  | /  | 26                  |      |    |                 |
| 21      | 8021 | K. Ravi             | /     | /          | / | / | / | / | / | / | / | / | /  | /  | /  | /          | / | / | / | / | / | / | / | / | /  | /  | /  | 26                  |      |    |                 |
| 22      | 8022 | K. Adilaxmi         | /     | /          | / | / | / | / | / | / | / | / | /  | /  | /  | /          | / | / | / | / | / | / | / | / | /  | /  | /  | 26                  |      |    |                 |
| 23      | 8023 | M. Adilaxmi         | /     | /          | / | / | / | / | / | / | / | / | /  | /  | /  | /          | / | / | / | / | / | / | / | / | /  | /  | /  | 26                  |      |    |                 |
| 24      | 8024 | M. Maddilakamma     | /     | /          | / | / | / | / | / | / | / | / | /  | /  | /  | /          | / | / | / | / | / | / | / | / | /  | /  | /  | 26                  |      |    |                 |
| 25      | 8025 | M. Surendra         | /     | /          | / | / | / | / | / | / | / | / | /  | /  | /  | /          | / | / | / | / | / | / | / | / | /  | /  | /  | 26                  |      |    |                 |

  
DEPARTMENT OF ZOOLOGY  
Govt. Degree College,  
PATTIKONDA, Kurnool

|                  |  |  |
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| Number present M |  |  |
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*G. L. Reddy*  
 DEPARTMENT OF ZOOLGY  
 Govt. Degree College,  
 PATTIKONDA, Kumbal





**GOVERNMENT DEGREE COLLEGE, PATTIKONDA**  
**Reaccredited with NAAC B Grade**

2022-2023 Proposals for the Introduction of Certificate

Course in

**Poultry Broiler Management**

Date: 07-11-2022

From  
P.Ramanjaneyulu,  
Lecturer in Zoology,  
Govt. Degree College,  
Pattikonda, Kurnool (Dt).

To  
The Principal,  
Govt. Degree College, Pattikonda  
Kurnool (Dt).

Respected Sir,

I would like to suggest that the department of Zoology is going to organize a certificate Course in **Poultry Broiler Management** basing on the demands of departing students who are now more regularly communicated to the Department of Zoology from the lowest to the highest levels of employment, this course has become fruitful to students. The Department of Zoology is excited to start the course taking into account all of these factors. This course is also very useful for the students for their self-employment.


The details of the program are

- |                                           |                                                      |
|-------------------------------------------|------------------------------------------------------|
| 1. Name of the proposed program           | : A Certificate course in Poultry Broiler Management |
| 2. Duration and timings of the program    | : 45 days                                            |
| 3. Start date of the program              | : 16-11-2022                                         |
| 4. Course fee                             | : free                                               |
| 5. No. of students expected for admission | : 30                                                 |

Yours faithfully

  
PRINCIPAL  
Govt. Degree College  
PATTIKONDA, Kurnool Dist



  
In charge of the Department  
Lecturer in Zoology,  
Govt. Degree College,  
PATTIKONDA-518 590, Kurnool Dt.



# GOVERNMENT DEGREE COLLEGE, PATTIKONDA

## Department of Zoology 2022-2023

### Minutes of the Department meeting for the conduct of Certificate Course in Poultry Broiler Management

Date: 09-11-2022

The Department of Zoology, a leader in catering student needs, has made the decision to widen opportunities for individuals graduating from our College. There is a considerable need for new graduates for providing self-employment to rural background students. These courses also provide employment to the local individuals and daily livelihood. With the straightforward objective of equipping graduating students with the requisite practical abilities, the Department of Zoology has taken the initiative to provide a Certificate Course in Poultry Broiler Management.

On 09-11-2022, the Department of Zoology held a meeting with its members on the College's premises. The meeting was led by the department members and the Department unanimously decided to organize the Certificate Course in Poultry Broiler Management for degree-seeking students at our College, with the lecturers serving as the course instructors and the Department Head serving as chairman. As promised, the Certificate Course would span 45 days which would be very useful to students.

Dr.Md.Osman Ahmed

Incharge Department of Zoology

Sri.Ramesh(G.F)

  
Lecturer in Zoology,  
Govt. Degree College,  
PATTIKONDA-518 560, Kurnool Dist.

**Government Degree College, Pattikonda.**

**Department of Zoology 2022-2023**

**Date: 12-11-2022**

**Circular**

Zoology Department is starting a certificate course in Broiler Management for final year Students, the duration of the courses, which will last 45 days. There is no fee required for the course, and classes will commence on 16-11-2022. If you're interested in enrolling, please register your name at the department soon! After successfully completing the course, you'll receive a certificate.

  
Coordinator

**Lecturer in Zoology  
Govt Degree College,  
PATTIKONDA-518 380, Kurnool D.**

Copy to the Library Notice Board

Copy to the Notice Board

Copy for Circulation among the Students

# Government Degree College, Pattikonda

## Department Of Zoology

### Final Report of Certificate Course 22-23

In

### *Poultry Broiler Management*

Poultry Broiler Management Programme was developed & designed by department of zoology with the help of the Principal for III B.Z.C students. By offering the 45-days Certificate course in Poultry Broiler Management has made a humble beginning in its efforts to teach and improve students' practical knowledge for livelihood. The main objective of the course, as decided earlier, was to impart commercial strategy and to create awareness from rural area students. The requirements of final year students are taken into account when creating the basic framework of the course. The feedback from the students was very positive.

The I.Q.A.C. Coordinator, Head of the department of Zoology and course coordinator Dr.Md.Osman Ahmed quoted that Poultry farming is one of the fastest-growing sectors in Indian agriculture and provides a significant source of protein for the country's meat-eating population. Andhra Pradesh accounts for production of 3.5 crore live birds every month, which is one-third of the country's production, apart from six crore eggs a day. In revenue terms, poultry's contribution to the State's annual GDP is estimated at Rs. 20,000 crore with employment to close to 20 lakh people.

The Principal, spoke to the students about the self-employment skills and knowledgeable them of the importance of rich protein values and low cholesterol, as the population is enormously increasing day by day the government also insist animal husbandry and poultry farming in the rural areas. The government also provided financial subsidy to the poultry farmers.

Upon the successful completion of the aforementioned Certificate programme, a farewell celebration was organized on the last day of the programme. The event was graced by the college principal. The programme was concluded by vote of thanks.

  
Coordinator  
Department of Zoology  
Govt Degree College,  
PATTIKONDA-518 380, Kurnool Dist.

  
Principal  
PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
Kurnool Dist A P



# REGISTER OF ATTENDANCE & FEES

## FOR THE MONTH OF

20

Name of the Institute

Certificate Course

Section

Particulars

Place

Duration

| Sl. 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Vaidiki                                            | / | / | / | / | / | / | / | / | / | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | 15 | 37                  |       |                 |
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Nandhini                                           | / | / | / | / | / | / | / | / | / | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | 16 | 40                  |       |                 |
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Maheswari                                          | / | / | / | / | / | / | / | / | / | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | 15 | A                   |       |                 |
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Udayakiran <sup>8-4-23</sup> <sub>E. Mahesh</sub>  | / | / | / | / | / | / | / | / | / | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | 11 | 27                  |       |                 |
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Rajasathi                                          | / | / | / | / | / | / | / | / | / | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | 15 | A                   |       |                 |
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Sankar Chandra                                     | / | / | / | / | / | / | / | / | / | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | 09 | 24                  |       |                 |
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Mahesh <sup>4-4-23</sup> <sub>C. Mahesh</sub>      | / | / | / | / | / | / | / | / | / | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | 19 | 47                  |       |                 |
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Mayhans <sup>4-4-23</sup> <sub>C. Mahesh</sub>     | / | / | / | / | / | / | / | / | / | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | 18 | 36                  |       |                 |
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Durga devi <sup>18-4-23</sup> <sub>C. Mahesh</sub> | / | / | / | / | / | / | / | / | / | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | 17 | 40                  |       |                 |
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Prashanth <sup>4-4-23</sup> <sub>C. Mahesh</sub>   | / | / | / | / | / | / | / | / | / | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | 14 | 38                  |       |                 |
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Bhavana <sup>4-4-23</sup> <sub>C. Mahesh</sub>     | / | / | / | / | / | / | / | / | / | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | 14 | 33                  |       |                 |
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Aisha Bano <sup>4-4-23</sup> <sub>C. Mahesh</sub>  | / | / | / | / | / | / | / | / | / | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | 18 | 39                  |       |                 |
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Shashikala                                         | / | / | / | / | / | / | / | / | / | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | 12 | A                   |       |                 |
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Ijaz Ahmed - Nongandi                              | / | / | / | / | / | / | / | / | / | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | 09 | A                   |       |                 |
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Divya Bharati                                        | / | / | / | / | / | / | / | / | / | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | 18 | A                   |       |                 |
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Geetha                                               | / | / | / | / | / | / | / | / | / | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | 19 | A                   |       |                 |
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Manika                                               | / | / | / | / | / | / | / | / | / | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | 16 | A                   |       |                 |
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Ganga <sup>18-4-23</sup> <sub>C. Mahesh</sub>        | / | / | / | / | / | / | / | / | / | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | 14 | 34                  |       |                 |
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Asim Basha <sup>4-4-23</sup> <sub>C. Mahesh</sub>    | / | / | / | / | / | / | / | / | / | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  |    | A                   |       |                 |
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|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                     |       |                 |

No. as roll at the beginning of the month

Admitted during the month

Left the roll during the month

No. of Working days

Average Attendance during the month

No. as Roll during month

Lecturer (in Zoology)

Govt. Degree College

PATTIKONDA-518 350 K. of Boudha



*M. Logman Ahmed*  
Lecturer in Zoology,  
Govt. Degree College,  
PATTIKONDA-518 380; Kurnool Dt.







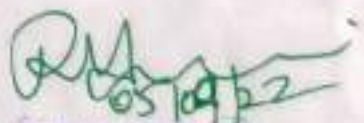
**GOVERNMENT DEGREE COLLEGE::PATTIKONDA**  
**DEPARTMENT OF PHYSICS**  
**CERTIFICATE COURSE**  
**ON**  
**FAN WINDING**  
**2022-23**



**(Dr.K.RamaKrishna)**

**CO-ORDINATOR**

LECTURER IN PHYSICS  
Govt. Degree College  
PATTIKONDA, Kurnool Dist



**PRINCIPAL**  
**PRINCIPAL** college  
PATTIKONDA, Kurnool Dist

**GOVERNMENT DEGREE COLLEGE, PATTIKONDA**

**DEPARTMENT OF PHYSICS**

**Minutes of the Department meeting for the conduct of  
Certificate Course on FAN WINDING**

Date:18.07.2022

The Department of Physics, is committed to later the needs of students and , has made the decision to widen opportunities for individuals graduating from our College. There is a considerable need for new graduates to develop their technical skills due to the expanding job market, particularly in the private sector. With the straightforward objective of equipping graduating students with the requisite practical and technical abilities, the Department of Physics has taken the initiative to provide a Certificate Course in **FAN WINDING**.

The faculty of the department met in the laboratory on 18/07/2022 and In-charge of the department **SRI.Y.SAISASIDHAR** invited on the certificate course **FAN WINDING**. The Department unanimously decided to organize the Certificate Course on House Wiring for degree-seeking students at our College, with the lecturers serving as the course instructors and the In-charge of the department serving as convenor, promised, the Certificate Course would span 30 days.

1. Sri.Y.SAI SASIDHAR, In-charge of the department

2. Dr.G.Srinivasulu, Lecturer in Physics :

3. Dr.K.RAMA KRISHNA ,Lecturer in Physics :

Principal  
PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
Kurnool Dist A.P.

**GOVERNMENT DEGREE COLLEGE, PATTIKONDA**  
**PROPOSAL FOR THE INTRODUCTION OF CERTIFICATE COURSE IN**  
**FAN WINDING**

DATE: 21.07.2022

From  
Sri.Y.SAI SASIDHAR ,  
Lecturer in Physics,  
In-charge of Department  
Govt. Degree College  
Pattikonda, Kurnool (Dt).

To  
The Principal,  
Govt. Degree College, Pattikonda  
Kurnool (Dt).

Respected madam,

The department of physics wishes to conduct a certificate course on FAN WINDING to create self employment for students of physics streams with out effecting the regular class work. The programme has been designed in which a way that it provides a way that of provides rich needed skills to get employability both in public and private sectors. In this regard the proposal is brought to your kind notice and permission may please the accorded

Thanking you madam

The details or the program are

- |                                           |                      |
|-------------------------------------------|----------------------|
| 1. Name of the proposed program           | : CERTIFICATE COURSE |
| 2. Duration and timings of the program    | : 30 DAYS            |
| 3. Start date of the program              | : 25.07.2022         |
| 4. Course fee                             | : Rs.00              |
| 5. No. of students expected for admission | : 20                 |



Yours faithfully  
LECTURER IN PHYSICS  
Govt. Degree College  
PATTIKONDA, Kurnool Dist  
In-charge of the Department





# Government Degree College

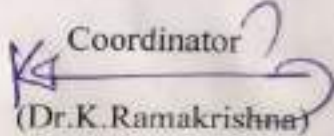
(Accredited By Naac with 'B' Grade)  
Pattikonda, Kurnool (Dt), A.P. 518380.



## Circular

Date: 20.07.2022

All the B.Sc. M.P.Cs Second year degree students are hereby informed that the Department of Physics is going to start a certificate course in 'FAN WINDING'. The duration of the course is 30 days. Students need not pay any fee for the course. The classes will commence from 25.07.2022. Interested students are required to register their names in the Physics Department. After successful completion of the course certificate will be provided to the students.

  
Coordinator  
(Dr. K. Ramakrishna)  
LECTURER IN PHYSICS  
Govt. Degree College  
PATTIKONDA, Kurnool Dist

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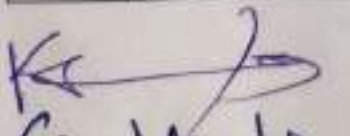
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PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518380  
Kurnool Dist A.P.

## Registered list of the students 2022-23

| S.No | Hall Ticket No. | Student Name             | Group    | Signature            |
|------|-----------------|--------------------------|----------|----------------------|
| 1    | 20360048027     | Y.ROHIT KUMAR REDDY      | III B.Sc | Y. Rohit Kumar Reddy |
| 2    | 20360048002     | CHEVULA ANITHA           | II       | C. Anitha            |
| 3    | 20360048003     | AREKANTI ANJANEYULU      | II       | A. Anjaneyulu        |
| 4    | 20360048004     | POTHULA BABA FAKRUDDIN   | II       | P. Baba Fakrudin     |
| 5    | 20360048005     | CHINNA MUSALI CHAKRADHAR | II       | C. M. Chakradhar     |
| 6    | 20360048006     | B CHANDRA MOHAN          | II       | B. CHANDRA MOHAN     |
| 7    | 20360048007     | DUDEKONDA CHANDRAKALA    | II       | D. Chandrakala       |
| 8    | 20360048008     | KURUVA HARATHI           | II       | K. Harathi           |
| 9    | 20360048009     | MALLE HARI CHANDANA      | II       | M. Hari chandana     |
| 10   | 20360048010     | MALLE HARSHITHA          | II       | M. Harshitha         |
| 11   | 20360048011     | SABDHIN JAMILA           | II       | S. Jamila            |
| 12   | 20360048012     | BANA KALPANA             | II       | B. kalpana           |
| 13   | 20360048013     | HARIJANA LALITHA         | II       | H. Lalitha           |
| 14   | 20360048014     | BARIKI LATHA             | II       | B. Latha             |
| 15   | 20360048015     | MALA DASARI MADHU        | II       | M. Dasari madhu      |
| 16   | 20360048016     | BOGIMI MAHALAKSHMI       | II       | B. Mahalakshmi       |
| 17   | 20360048017     | MERELLA MANOHAR          | II       | M. manohar           |
| 18   | 20360048018     | EDIGA NAGALAKSHMI        | II       | E. Nagalakshmi       |
| 19   | 20360048019     | KALLUBANDI NASREEN       | II       | K. Nasreen           |
| 20   | 20360048020     | HOSURU PRASHANTHI        | II       | H. Prashantha        |
|      |                 |                          | II       |                      |

  
**Co-ordinator**  
 LECTURER IN PHYSICS  
 Govt. Degree College  
 Pattikonda, Kurnool Dist

  
**Lecturer in Physics**  
 Govt. Degree College  
 PATTIKONDA, Kurnool Dist

  
**PRINCIPAL**  
 GOVT DEGREE COLLEGE  
 PATTIKONDA-515 350  
 Kurnool Dist A.P.

# FAN WINDING

SYLLABUS AND COURSE OUTCOMES



## Syllabus:-

1. Candidate is clearly able to differentiate between Wage employment, Self-employment and Entrepreneurship
2. Understand, appreciate and develop the self-confidence for embarking on self-employment/entrepreneurship.
3. Understand and internalize entrepreneurial competencies and know their importance for becoming a successful entrepreneur.
4. Trainee is able to understand the legal and regulatory aspects of launching an enterprise.
5. Trainee is able to appreciate need for continuous growth and expansion of an enterprise

| Units  | Topics                                       | Hour's |
|--------|----------------------------------------------|--------|
| Unit 1 | A Basic Course in Fan Selection              | 6h     |
| Unit 2 | Basic Course in Fan Density Correction       | 6h     |
| Unit 3 | A Course in Fan Arrangements and Classes     | 6h     |
| Unit 4 | An Advanced Course in Fan Density Correction | 6h     |
| Unit 5 | An Advanced Course in Fan Density Correction | 6h     |

### Training outcomes:-

At the end of the training, the candidates will be able to

1. Appreciate the importance of embarking on self-employment and has developed the confidence and personal skills for the same.
2. Identify business opportunities in chosen sector / sub-sector and plan and market and sell products / services
3. Start a small business enterprise by liaising with different stake holders
4. Effectively manage small business enterprise
5. Understand the Fundamentals of Electrical equipments, electricity, current, voltage, power and circuits of different capacity motors.
6. Perform House wiring / Hospital Wiring / Office /Go-down wiring etc.
7. Identify the cable sizes and perform cable jointing

Model question paper (2022-23)  
FAN WINDIND Certificate Course

Time 01:30 Hrs

Maximum Marks :50

Each question carries 8 marks (8\*5)

1. Do the lights dim when appliances work?
2. Have you never upgraded your electrical service?
3. What are the essential precautions at service break?
4. What are AC and DC supply?
5. What is M.C.B?

Each question carries one mark (1\*10)

1. \_\_\_\_\_ is the Electricians knife.  
(A) Double blade  
(B) Cutter  
(C) Blade  
(D) Tester
2. Electric Wire usually made of \_\_\_\_\_.  
(A) Tin  
(B) Steel  
(C) Copper  
(D) Iron
3. Which effect of current applied in ceiling fan?  
(A) Heating  
(B) Chemical  
(C) Magnetic  
(D) Gas Ionization
4. Unit of Electrical Resistance?  
(A) Volt  
(B) Ohm  
(C) Watt  
(D) Ampere



5. Which color of Protective conductor?

- (A) G-Y
- (B) G-R
- (C) G-B
- (D) G-B-L

6. CTS stand for?

- (A) cable
- (B) type
- (C) sheathed
- (D) Cable tyro seethed

7. SWG 22 wire in mm?

- (A) 1.016
- (B) 1.219
- (C) 0.711
- (D) 0.914

8. EPR stands for?

- (A) ethylene
- (B) propylene
- (C) rubber
- (D) Ethylene propylene rubber

9. How many types of oil filled cables?

- (A) 2
- (B) 3
- (C) 6
- (D) 8

10. Metallic tubing type?

- (A) EMT
- (B) RNMC
- (C) ENT
- (D) GRC

# ATTENDANCE REGISTER

Page No. of

| ROLL NUMBER | NAME OF THE STUDENT  | CASTE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|-------------|----------------------|-------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|
| 1           | Y. Rohit Kumar Reddy |       | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 2           | C. Anitha (W)        |       | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 3           | A. Anjaneyulu        |       | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 4           | P. Baba Fakrudin     |       | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 5           | C. M. Chakraborty    |       | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 6           | B. Chandramohan      |       | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 7           | D. Chandrakala (W)   |       | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 8           | K. Harathi (W)       |       | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 9           | M. H. Chandana (W)   |       | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 10          | M. Harshitha (W)     |       | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 11          | S. Janila (W)        |       | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 12          | B. Kalpana (W)       |       | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 13          | H. Lalitha (W)       |       | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 14          | B. Latha (W)         |       | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 15          | M. D. Madhu          |       | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 16          | P. Mahalakshmi (W)   |       | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 17          | M. Manohar           |       | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 18          | E. Veda Lakshmi (W)  |       | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 19          | K. Naveen (W)        |       | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 20          | M. Prashanth (W)     |       | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |



KE  
C. V. Krishna Krishna  
LECTURER IN PHYSICS  
Govt. Degree College  
PATTIKONDA, Kurnool Dist

# FOR THE MONTH OF

| ATTENDANCE       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| FOR THE MONTH OF |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| 1901             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| 1903             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1904             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1905             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1906             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1907             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1908             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1909             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1910             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1911             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1912             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1913             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1914             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1915             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1916             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1917             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1918             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1919             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1920             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1921             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1922             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1923             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1924             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1925             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1926             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1927             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1928             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1929             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1930             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1931             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1932             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1933             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1934             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1935             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1936             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1937             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1938             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1939             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1940             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1941             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1942             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1943             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1944             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1945             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1946             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1947             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1948             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1949             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1950             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1951             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1952             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1953             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1954             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1955             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1956             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1957             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1958             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1959             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1960             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1961             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1962             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1963             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1964             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1965             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1966             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1967             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1968             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1969             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1970             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1971             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1972             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1973             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1974             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1975             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1976             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1977             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1978             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1979             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1980             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1981             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1982             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1983             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1984             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1985             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1986             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1987             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1988             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1989             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1990             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1991             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1992             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1993             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1994             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1995             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1996             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1997             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1998             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1999             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2000             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2001             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2002             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2003             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2004             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2005             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2006             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2007             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2008             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2009             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2010             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2011             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2012             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2013             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2014             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2015             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2016             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2017             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2018             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2019             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2020             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2021             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2022             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2023             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2024             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2025             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2026             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2027             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2028             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2029             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2030             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2031             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2032             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2033             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2034             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2035             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2036             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2037             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2038             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2039             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2040             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2041             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2042             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2043             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2044             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2045             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2046             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2047             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2048             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2049             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2050             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2051             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2052             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2053             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2054             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2055             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2056             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2057             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2058             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2059             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2060             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2061             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2062             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2063             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2064             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2065             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2066             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2067             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2068             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2069             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2070             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2071             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2072             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2073             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2074             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2075             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2076             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2077             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2078             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2079             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2080             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2081             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2082             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2083             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2084             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2085             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2086             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2087             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2088             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2089             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2090             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2091             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2092             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2093             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2094             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2095             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2096             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2097             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2098             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2099             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2100             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2101             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2102             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2103             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2104             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2105             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2106             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2107             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2108             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2109             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2110             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2111             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2112             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2113             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2114             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2115             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2116             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2117             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2118             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2119             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2120             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2121             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2122             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2123             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2124             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2125             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2126             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2127             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2128             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2129             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2130             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2131             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2132             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2133             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2134             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2135             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2136             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2137             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2138             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2139             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2140             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2141             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2142             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2143             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2144             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2145             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2146             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2147             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2148             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2149             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2150             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2151             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2152             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2153             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2154             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2155             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2156             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2157             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2158             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2159             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2160             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2161             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2162             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2163             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2164             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2165             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2166             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2167             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2168             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2169             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2170             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2171             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2172             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2173             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2174             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2175             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2176             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2177             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2178             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2179             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2180             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2181             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2182             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2183             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2184             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2185             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2186             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2187             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2188             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2189             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2190             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2191             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2192             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2193             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2194             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2195             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2196             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2197             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2198             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2199             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2200             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2201             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2202             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2203             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2204             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2205             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2206             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2207             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2208             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2209             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2210             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2211             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2212             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2213             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2214             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2215             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2216             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2217             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2218             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2219             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2220             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2221             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2222             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2223             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2224             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2225             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2226             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2227             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2228             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2229             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2230             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2231             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2232             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2233             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2234             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2235             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2236             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2237             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2238             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2239             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2240             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2241             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2242             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2243             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2244             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2245             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2246             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2247             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2248             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2249             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2250             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2251             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2252             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2253             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2254             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2255             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2256             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2257             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2258             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2259             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2260             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2261             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2262             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2263             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2264             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2265             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2266             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2267             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2268             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2269             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2270             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2271             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2272             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2273             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2274             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2275             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2276             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2277             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2278             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2279             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2280             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2281             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2282             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2283             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2284             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2285             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2286             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2287             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2288             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2289             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2290             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2291             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2292             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2293             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2294             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2295             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2296             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2297             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2298             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2299             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2300             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2301             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2302             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2303             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2304             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2305             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2306             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2307             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2308             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2309             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2310             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2311             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2312             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2313             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2314             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2315             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2316             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2317             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2318             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2319             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2320             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2321             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2322             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2323             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2324             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2325             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2326             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2327             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2328             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2329             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2330             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2331             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2332             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2333             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2334             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2335             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2336             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2337             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2338             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2339             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2340             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2341             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2342             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2343             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2344             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2345             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2346             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2347             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2348             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2349             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2350             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2351             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2352             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2353             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2354             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2355             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2356             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2357             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2358             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2359             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2360             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2361             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2362             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2363             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2364             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2365             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2366             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2367             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2368             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2369             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2370             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2371             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2372             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2373             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2374             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2375             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2376             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2377             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2378             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2379             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2380             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2381             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2382             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2383             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2384             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2385             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2386             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2387             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2388             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2389             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2390             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2391             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2392             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2393             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2394             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2395             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2396             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2397             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2398             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2399             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2400             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2401             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2402             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2403             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2404             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2405             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2406             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2407             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2408             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2409             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2410             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2411             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2412             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2413             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2414             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2415             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2416             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2417             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2418             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2419             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2420             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2421             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2422             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2423             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2424             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2425             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2426             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2427             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2428             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2429             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2430             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2431             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2432             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2433             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2434             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2435             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2436             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2437             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2438             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2439             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2440             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2441             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2442             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2443             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2444             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2445             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2446             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2447             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2448             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2449             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2450             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2451             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2452             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2453             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2454             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2455             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2456             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2457             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2458             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2459             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2460             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2461             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2462             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2463             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2464             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2465             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2466             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2467             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2468             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2469             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2470             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2471             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2472             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2473             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2474             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2475             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2476             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2477             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2478             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2479             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2480             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2481             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2482             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2483             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2484             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2485             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2486             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2487             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2488             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2489             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2490             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2491             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2492             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2493             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2494             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2495             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2496             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2497             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2498             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2499             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2500             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2501             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2502             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2503             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2504             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2505             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2506             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2507             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2508             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2509             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2510             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2511             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2512             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2513             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2514             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2515             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2516             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2517             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2518             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2519             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2520             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2521             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2522             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2523             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2524             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2525             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2526             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2527             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2528             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2529             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2530             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2531             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2532             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2533             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2534             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2535             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2536             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2537             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2538             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2539             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2540             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2541             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2542             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2543             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2544             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2545             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2546             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2547             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2548             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2549             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2550             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2551             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2552             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2553             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2554             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2555             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2556             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2557             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2558             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2559             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2560             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2561             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2562             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2563             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2564             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2565             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2566             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2567             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2568             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2569             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2570             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2571             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2572             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2573             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2574             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2575             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2576             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2577             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2578             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2579             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2580             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2581             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2582             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2583             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2584             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2585             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2586             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2587             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2588             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2589             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2590             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2591             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2592             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2593             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2594             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2595             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2596             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2597             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2598             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2599             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2600             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2601             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2602             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2603             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2604             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2605             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2606             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2607             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2608             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2609             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2610             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2611             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2612             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2613             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2614             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2615             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2616             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2617             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2618             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2619             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2620             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2621             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2622             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2623             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2624             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2625             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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PATTIKONDA, Kurnool Dist

KE  
C. V. Krishna Krishna  
LECTURER IN PHYSICS  
Govt. Degree College  
PATTIKONDA, Kurnool Dist





# GOVERNMENT DEGREE COLLEGE

PATTIKONDA, KURNOOL-518380, A.P.

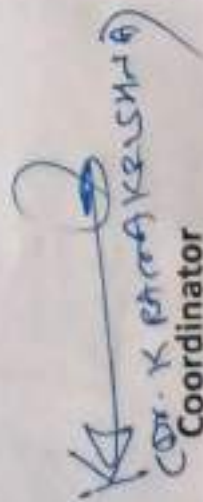
AFFILIATED TO RAYALASEEMA UNIVERSITY (RU) KURNOOL

RE-ACCREDITED BY NAAC WITH 'B' GRADE

DEPARTMENT OF PHYSICS

## Certificate of Participation

This is to certify that Mr./Miss./Mrs. Y.ROHITH KUMAR REDDY studying III B.Sc. M.P.Cs successfully Completed 'FAN WINDIN' Organized by Department of Physics, Government Degree College, Pattikonda, Kurnool (DT) held from 25.07.2022 to 05.09.2022.

  
Dr. K. PARASHURAMA  
Coordinator

LECTURER IN PHYSICS  
Govt. Degree College  
PATTIKONDA, Kurnool Dist

  
Principal  
GOVT DEGREE COLLEGE  
PATTIKONDA-518 380  
Kurnool Dist A P





LECTURER IN PHYSIOLOGY  
Govt. Degree College  
PATTIKONDA, Kumed Dist

**Government Degree College, Pattikonda**  
**Department of Physics**  
**Final Report of Certification Course in FAN WINDING**


By offering a certificate course in FAN WINDING for 30 days, the Department of Physics has made a modest start in its effort to teach and enhance the students with practical knowledge of the FAN WINDING. The primary goal of the course, as previously decided, was to impart Fan winding knowledge to the departing pupils. The demands of the final year students are taken into consideration while transforming content the course's. The aforementioned course began on July 25th, 2022 and ended on 5th September 2022. The pupils' response was very positive.

The principal, Dr. R.MADHURI, spoke to the students and informed them of the significance of technology in both the social and business spheres. She also appraised the efforts of the faculty and complimented Sri SAI SASIDHAR, In-charge of the department, who served as the course's architect. The course had a high turnout of students. Regular attendance for the classes, which ran from 04.00 PM to 6:00 PM was 20 students.

The sessions were engaging, educational, and fascinating. The students were able to comprehend how to learn and understand fan winding with the use of hands-on activities, films, handouts, seminars, quizzes, suggested books, and engaging exercises. The Course ran its entire course of 20 days and also took informal inputs from the students for making the course better next time.

After the successful completion of the said Certificate course, a valedictory function was held on 5<sup>th</sup> September 2022. The Principal of the College, Dr. R.MADHURI, graced the occasion. The meeting was presided over by the In-charge of the department, Sri SAI SASIDHAR. At the end of program Dr. G. Srinivasulu, Lecturer in Physics, proposed the vote of thanks.

Co-ordinator

  
LECTURER IN PHYSICS  
Govt. Degree College  
PATTIKONDA, Kurnool Dist

  
In-charge of the Department of Physics

LECTURER IN PHYSICS  
Govt. Degree College  
PATTIKONDA, Kurnool Dist



**Government Degree College,  
Pattikonda**

Pattikonda, Kurnool-518380, A.P.  
Affiliated to Rayalaseema University, Kurnool-  
Re-Accredited By NAAC with 'B' Grade

**Department of Political Science**



**CERTIFICATE COURSE IN  
BASIC ORGANS OF THE  
GOVERNMENT  
2022-2023**



# Government Degree College, Pattikonda

Proposal for the Introduction of Certificate

Course in

## **Western political thought**

Date: 016-09-2022

From  
Sri. H.Ramanjini,  
Lecturer in Political Science,  
Head of Department  
Govt. Degree College  
Pattikonda, Kurnool (Dt).

To  
The Principal,  
Govt. Degree College, Pattikonda  
Kurnool (Dt).

Respected Sir,

The Department of political science will hold a certificate course in **Western Political Thought**. The course is in response to the demand of departing students. The Department of Political Science is enthusiastic about starting the course, considering all of these factors. Details of the program will be provided.

1. Name of the proposed program : A Certificate course in Western Political Thought
2. Duration and timings of the program : 45 days
3. Start date of the program : 26-09-2022 to 10-11-2022
4. Course fee : free
- 5.No,of students expected for admission: 20

Yours faithfully

Head of Department Political Science

# GOVERNMENT DEGREE COLLEGE, PATTIKONDA

## Department of Political Science

### Minutes of the Department meeting for the conduct of Certificate Course in western political thought

Date: 19-09-2022

The Department of Political Science a leader in meeting student needs has decided to increase the number of opportunities available to College graduates. Due to the growing job market, which is especially evident in the globalized sector, there is a significant need for recent graduates with political knowledge. The Department of English has taken the initiative to offer a Certificate Course in Communication Skills with the simple goal of giving graduating students the necessary practical English grammar and speaking skills.

The Department of Political Science met with its members on the College's property on 19-09-2017 the Department unanimously decided to set up the Certificate Course in communication skills for degree seeking students at our College, with the lecturers serving as course instructors and the Department Head acting as chairman. The conference was presided over by department head B. Paul Raj. The Certificate Course would last 45 days as promised.

1. Sri H. Ramanjini, Head of the Department



Principal

PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518380  
Kurnool Dist A.P

**Government Degree College, Pattikonda.**

**Department of Political Science**

Date: 05-09-2022

**Circular**

Political Science Department is starting a certificate course in western political thought for the duration of the course, which will last 45 days. There is no fee required for the course, and classes will commence on 26-09-2022. If you're interested in enrolling, please register your name with the department soon! After successfully completing the course, you'll receive a certificate.

  
Coordinator

Copy to the Library Notice Board

Copy to the Notice Board

Copy for Circulation among the Students



**Government Degree College, Pattikonda**  
**Department of Political Science**

**A**

**Certificate Course in Western Political Thought 2022-2023**

**Syllabus:**

- **UNIT-01 Medieval And Modern Political Thought**
- **UNIT-02 Contractual Political Thought**

# Model Question Paper (2022-23)

## A Certificate Course in Western Political Thought

Time 01:30

Maximum Marks: 50

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### Answer the Following questions:

- Explain Plato's education system
- Explain the views Machiavelli on human nature
- Describe Aristotle's theory of revolutions
- Explain Plato's communism and its objectives
- Discuss the views of Platos republic

List of Students Registered for  
Western Political Thought 2022-23

| S.No | Hall Ticket Number | Name of the Students   | Signature of the student |
|------|--------------------|------------------------|--------------------------|
| 1    | 20110048001        | Yerukula C K Amaranath | Y. Amaranath             |
| 2    | 20110048002        | Yarram Bhargava Reddy  | Y. Bhargava Reddy        |
| 3    | 20110048003        | Boya Chandra Sekhar    | B. Chandra Sekhar        |
| 4    | 20110048004        | Yenumula Chandrasekhar | Y. Chandrasekhar         |
| 5    | 20110048005        | Kondapalli Chiranjeevi | K. Chiranjeevi           |
| 6    | 20110048006        | Kuruva Dasu            | K. Dasu                  |
| 7    | 20110048007        | Harijana Divya Lakshmi | H. Divya Lakshmi         |
| 8    | 20110048008        | Kotamaligi Jayasree    | K. Jayasree              |
| 9    | 20110048009        | Arava Jyothi           | A. Jyothi                |
| 10   | 20110048010        | Karli Karthik          | K. Karthik               |
| 11   | 20110048011        | Nese Kavitha           | N. Kavitha               |
| 12   | 20110048012        | Manukindi Lakshmi Devi | M. Lakshmi Devi          |
| 13   | 20110048013        | Kummari Laluprasad     | K. Laluprasad            |
| 14   | 20110048014        | Shaik Mahaboob Basha   | S. Mahaboob Basha        |
| 15   | 20110048015        | Boya Mahendra          | B. Mahendra              |
| 16   | 20110048016        | Golla Malleswari       | G. Malleswari            |
| 17   | 20110048017        | Uppara Mohan           | U. Mohan                 |
| 18   | 20110048018        | Puri Nagesh            | P. Nagesh                |
| 19   | 20110048019        | Harijana Naresh        | H. Naresh                |
| 20   | 20110048020        | Mulinti Naresh Naidu   | M. Naresh Naidu          |





23 JUN 26 2022 293031  
26/9/2022 10/11/2022 Western Political Thought 8 8 10/11/2022

[illegible]



# Government Degree College, Pattikonda

Department of Political Science 2022-23

## Final Report of Certificate Course in Western Political Thought

This Programme was developed by political science department with the help of the Principal for college students. By offering the 45-day Certificate course in western political thought, the political science Department has made a humble beginning in its efforts to teach and improve students' practical knowledge. The requirements of final year students are taken into account when creating the basic framework of the course. The above mentioned course started on 26-09-2022 and ended on 10-11-2022. The feedback from the students was very positive. The seminar hall was full of students waiting for their first presentation.

The Principal, spoke to the students and knowledgeable them of the importance of generation in both the social and enterprise spheres. He additionally praised the paintings of the department of political science and complimented Sri.H.Ramanjini, HOD, who served as the route's architect. The periods were attractive, academic and fascinating. The pupils' confidence degree becomes raised through brainstorming classes, discussions, organization sporting activities, and impromptu displays. The complete direction took place; the course ran its complete direction of forty five days and additionally took informal inputs from the scholars for making the direction higher next time. Upon the successful completion of the aforementioned Certificate programme, a farewell celebration was organized on the last day of the programme. The event was graced by the college's principal





Government Degree College, Pattikonda

Pattikonda, Kurnool-518180, A.P.

Affiliated to Regional University 'RZU, Kurnool

Re-Accredited By AQAAC with 'B' Grade

## Department of Political Science

### Certificate of Participant

This is to certify that Mr./Miss./Mrs. \_\_\_\_\_ studying \_\_\_\_\_ success fully  
completed 'A Certificate Course in Western Political Thought' Organized by Department of Political Science, Government  
Degree College, Pattikonda, Kurnool (Dt) held from 25-09-2022 to 10-11-2022.

H. K. \_\_\_\_\_  
Coordinator

Principal  
PRINCIPAL  
GOVT DEGREE COLLEGE  
PATTIKONDA-518180  
Kurnool Dist. A.P.

# ప్రభుత్వ డిగ్రీ కళాశాల, పత్తికొండ

తెలుగు శాఖ

తెలుగు వ్యాకరణం-సర్టిఫికేట్ కోర్స్ నిర్వహించాలని  
తీర్మానం.

తేది:06-11-2022

తెలుగు శాఖ ఆధ్వర్యం లో డిగ్రీ బిఏ, బికాం, బియస్సీ విద్యార్థులకు తెలుగు వ్యాకరణం సర్టిఫికేట్ కోర్స్ నిర్వహించాలని తీర్మానించాము. అందులో భాగంగా విద్యార్థులకు, సందులు, సమాసాలు, ఛందస్సు మొదలగు వాటికీ సంబంధించి తెలుగు వ్యాకరణం సర్టిఫికేట్ కోర్స్ ను నిర్వహించాలని తీర్మానించుకున్నాము.

06-11-2022 తేదిన తెలుగు శాఖ ఆధ్వర్యం లో సమావేశం జరిగింది. ఈ సమావేశానికి అధ్యక్షులు గా అధ్యాపకులు బి.షంషాబీ పాల్గొన్నారు. దీనిని కళాశాల ప్రెన్సిపాల్ గారి ఆదేశాల మేరకు 30 రోజుల కాలవ్యవధిలో తెలుగు వ్యాకరణం సర్టిఫికేట్ కోర్స్ నిర్వహించాలని తీర్మానించుకున్నాము.

బి.షంషాబీ

B. SHAMSHABEE M.A. BEd. NET  
(తెలుగు శాఖ అధ్యాపకులు)  
Govt. Degree College,  
PATTIKONDA, Kurnool Dist.

Dr. R. MADHURI, M.Sc., M.Phil., Ph.D.  
PRINCIPAL  
Government Degree College  
PATTIKONDA., Kurnool Dist., A.P.

## ప్రభుత్వ డిగ్రీ కళాశాల పత్రిక

తెలుగు శాఖ

ప్రభుత్వ డిగ్రీ కళాశాల, పత్తికొండ

కళాశాల ప్రెసిడెంట్  
(ప్రభుత్వ డిగ్రీ కళాశాల)  
పత్తికొండ

**విషయం: తెలుగు వ్యాకరణం సర్టిఫికేట్ కోర్స్ ప్రారంభించడానికి అనుమతి కేసు.**

ప్రభుత్వ డిగ్రీ కళాశాల పత్తికొండ తెలుగు శాఖ ఆధ్వర్యంలో డిగ్రీ మూడవ సంవత్సరం విద్యార్థులకు తెలుగు వ్యాకరణం సర్టిఫికేట్ కోర్స్ నిర్వహించాలని తెలుగు శాఖ తీర్మానించింది. వీటి సమాఖ్యలో పత్రికల ప్రభావం ప్రింట్ మీడియా ఎలక్ట్రానిక్ మీడియా ప్రసార మాధ్యమాల ప్రభావం ఎక్కువగా ఉంది. కనుక తెలుగు శాఖ తెలుగు వ్యాకరణం పై అవగాహన కోరకు సర్టిఫికేట్ కోర్స్ నిర్వహించడానికి అనుమతించగలదు.

కోర్సు వివరాలు

కోర్స్ పేరు

: తెలుగు వ్యాకరణం

కోర్సు కాల వ్యవధి సమయం

: 30 రోజులు సా. 5 నుండి 6 గంటల వరకు

ప్రారంభ తేదీ

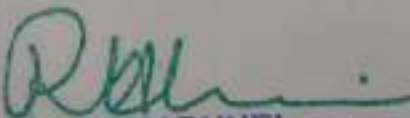
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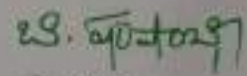
కోర్స్ ఫీజు

: ఏమీ లేదు

మొత్తం విద్యార్థుల సంఖ్య

: 35

  
Dr. R. MADHURI, M.Sc., M.P.Ed., P.D.,  
PRINCIPAL  
Government Degree College  
PATTIKONDA, Kumool Dist., A.P.

  
తెలుగు శాఖ  
B. SHAMSHABEE, M.A., B.Ed., NET  
Lecturer in Telugu  
Govt. Degree College,  
PATTIKONDA, Kumool Dist.



తెలుగు శాఖ

సర్క్యులర్

30-11-2022

కళాశాలలో దివె చదువుతున్న విద్యార్థులు అందరికీ తెలుగు శాఖ తెలియజేయునది ఏమనగా తెలుగు శాఖ తెలుగు వ్యాకరణం - సర్టిఫికేట్ కోర్సు 30 రోజుల వ్యవధిలో ఎలాంటి రుసుము లేకుండా విద్యహిస్తుంది. కోర్సు 06-12-2022 తేదీన ప్రారంభం అవుతుంది అసక్తిగల విద్యార్థులు ఏమి నమోదు చేసుకోండి. కోర్సు పూర్తి అయిన తర్వాత సర్టిఫికేట్ కూడా జారీ చేయబడును కావున విద్యార్థులందరూ ఈ అవకాశాన్ని సద్వినియోగం చేసుకోగలరు.

  
DR. K. MADHURI, M.Sc., B.Ed., Ph.D.  
PRINCIPAL  
Government Degree College  
PATTIKONDA., Kurnool Dist., A.P.

ఇట్లు  
జి. శంకర్  
జి. శంకర్  
B. SHAMSHABEE, MA, BEd, MEd  
PATTIKONDA, Kurnool Dist.  
Govt. Degree College  
PATTIKONDA, Kurnool Dist.  
B. SHAMSHABEE, MA, BEd, MEd

# ప్రభుత్వ డిగ్రీ కళాశాల, పత్తికొండ

తెలుగు శాఖ 2022-2023

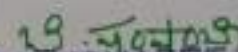
## తెలుగు వ్యాకరణం సర్టిఫికేట్ కోర్స్

### తుది నివేదిక

తెలుగు శాఖ ఆధ్వర్యంలో బిఏ, బీకాం, బీఎస్సీ విద్యార్థులకు తెలుగు వ్యాకరణం సర్టిఫికేట్ కోర్సుకు రోజుల కాలవ్యవధిలో నిర్వహించాలని కళాశాల ప్రెసిసిపల్ గారి ఆధ్వర్యంలో తీర్మానం జరిగింది. డిగ్రీ ఫైనలియర్ విద్యార్థులు కోర్సు అయిపోయిన తర్వాత వారికి ఉపయోగపడే విధంగా భాషా నైపుణ్యాలను నేర్పించడం ఈ కోర్సు యొక్క ప్రధాన ఉద్దేశం. ప్రింట్ మీడియా, ఎలక్ట్రానిక్ మీడియా, ప్రసార మాధ్యమాలను దృష్టిలో ఉంచుకొని కోర్సు రూపొందించడం జరిగింది.

సర్టిఫికేట్ కోర్సు ప్రారంభ సమావేశంలో విద్యార్థులు చాలా ఉత్సాహంగా పాల్గొన్నారు. ప్రెసిసిపల్ గారు విద్యార్థులను ఉద్దేశిస్తూ నేటి సమాజం మీద మీడియా, పత్రిక రంగాలు అత్యంత ప్రభావాన్ని చూపిస్తున్నాయి ఈ రంగాల్లో ఉద్యోగ అవకాశాలు పొందేలా ఈ సర్టిఫికేట్ కోర్సు మీకు చాలా ఉపయోగపడుతుంది కాబట్టి విద్యార్థులు ఈ అవకాశాన్ని ఉపయోగించుకుని ఆయా రంగాల్లో ముందుకెళ్ళాలని విద్యార్థులకు సూచించారు. కోర్సు పూర్తయిన తర్వాత విద్యార్థులకు ముగింపు సమావేశంలో ప్రెసిసిపల్ గారి చేతుల మీదుగా సర్టిఫికేట్లు జారీ చేసి కోర్సును విజయవంతంగా ముగించాము.

  
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# ప్రభుత్వ డిగ్రీ కళాశాల, పత్తికొండ

తెలుగు శాఖ

సర్టిఫికేట్ కోర్స్: తెలుగు వ్యాకరణం 2022-2023

## పాఠ్య ప్రణాళిక:

- తెలుగు వ్యాకరణం - పరిచయం
- తెలుగు వ్యాకరణం - ఆవిష్కరణ
- తెలుగు -సంధులు- సమాసాలు



# Government Degree College, Pattikonda



Pattikonda, Kurnool-518380, A.P.  
Affiliated to Rayalaseema University (R2U) Kurnool-  
Re-Accredited By NAAC with 'B' Grade

## Department of Telugu

### Certificate of Participant

This is to certify that Mr./Miss./Mrs. \_\_\_\_\_

studying \_\_\_\_\_ success fully completed 'A' Certificate

Course in *భాషాభివృద్ధి* Organized by Department of Telugu, Government Degree College, Pattikonda, Kurnool (Dt) held from 06-12-2022 to 24-01-2023.

*శ్రీ శివరామ్*  
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*Dr. R. MADHUR*  
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# List of Students Registered for certificate course 2022-23

## A Certificate Course in Telugu Vyakaranam

| S.No | Hall Ticket Number | Name of the Students       | Signature of the student |
|------|--------------------|----------------------------|--------------------------|
| 1    | 20110048001        | Yerukula C K Amaranath     | Y. Amrutha               |
| 2    | 20110048002        | Yarram Bhargava Reddy      | Reddy.                   |
| 3    | 20110048003        | Boya Chandra Sekhar        | B. Sekhar                |
| 4    | 20110048004        | Yenumula Chandrasekhar     | Chandrasekhar            |
| 5    | 20110048005        | Kondapalli Chiranjeevi     | Chiranjeevi              |
| 6    | 20110048006        | Kuruva Dasu                | K. Dasu                  |
| 7    | 20110048007        | Harijana Divya Lakshmi     | H. Divya                 |
| 8    | 20110048008        | Kotamaligi Jayasree        | Jayasree                 |
| 9    | 20110048009        | Arava Jyothi               | Jyothi..                 |
| 10   | 20110048010        | Karli Karthik              | K. Karthika              |
| 11   | 20110048011        | Nese Kavitha               | Kavitha                  |
| 12   | 20110048012        | Manukindi Lakshmidhevi     | M. Lakshmi               |
| 13   | 20110048013        | Kummari Laluprasad         | K. Laluprasad            |
| 14   | 20110048014        | Shaik Mahaboob Basha       | S. Basha                 |
| 15   | 20110048015        | Boya Mahendra              | B. Mahendra              |
| 16   | 20232048001        | Borra Anitha               | B. Anitha                |
| 17   | 20232048002        | Kotamaligi Badhri Narayana | K. Narayana              |
| 18   | 20232048003        | Madasala Bajarappa         | M. Bajarappa             |
| 19   | 20232048004        | Yenumula Chiranjeevi       | Y. Chiranjeevi           |
| 20   | 20232048005        | Telugu Eranna              | T. Eranna                |
| 21   | 20232048006        | Gilla Ganesh Naidu         | G. Naidu                 |
| 22   | 20232048007        | Maggamula Hanumanthu       | M. Hanumanthu            |
| 23   | 20232048008        | Mandula Hari               | Hari                     |
| 24   | 20232048009        | Kathi Jyothi               | Jyothi                   |

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|    |             |                          |                  |
|----|-------------|--------------------------|------------------|
| 25 | 20232048010 | Shake Khaleel            | S. Khaleel       |
| 26 | 20232048011 | Chevula Kowlutla         | C. Kowlutla      |
| 27 | 20232048013 | Boya Mallikarjuna        | B. Malli         |
| 28 | 20232048014 | Boya Burukula Nagaraju   | B. Nagaraju      |
| 29 | 20232048015 | Chakali Narasimhudu      | C. Narasimhu     |
| 30 | 20360048001 | Vadde Anand Kumar        | V. Anand         |
| 31 | 20360048002 | Chevula Anitha           | C. Anitha        |
| 32 | 20360048003 | Arekanti Anjaneyulu      | A. Anjaneyulu    |
| 33 | 20360048004 | Pothula Baba Fakruddin   | P. Baba          |
| 34 | 20360048005 | Chinna Musali Chakradhar | C. Chakradhar    |
| 35 | 20360048006 | B Chandra Mohan          | B. Chandra Mohan |
| 36 | 20360048007 | Dudekonda Chandrakala    | D. Chandrakala   |
| 37 | 20360048008 | Kuruva Harathi           | K. Harathi       |
| 38 | 20360048009 | Malle Hari Chandana      | M. Hari Chandana |
| 39 | 20360048010 | Malle Harshitha          | M. Harshitha     |
| 40 | 20360048011 | Sabdhin Jamila           | S. Jamila        |

  
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23.04.2023  
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## Attendance Sheet 2022-23 Certificate Course in Telugu Vyākaranam

| S.No | Names of the Students  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
|------|------------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1    | M.Aisha Banu           | X | X | X | X | A | X | X | X | X | A  | X  | X  | X  | X  | X  | X  | X  | X  | A  | A  | A  | A  | A  | A  | X  | X  | X  | X  | X  |
| 2    | S. Ajam Basha          | X | A | A | X | X | A | X | X | X | A  | X  | A  | X  | X  | X  | X  | A  | A  | A  | X  | X  | X  | X  | X  | X  | A  | A  | X  | X  |
| 3    | Vadde Bala Krishna     | X | X | A | X | X | A | X | X | X | A  | X  | X  | X  | X  | X  | X  | X  | A  | A  | A  | X  | X  | X  | X  | A  | X  | X  | A  | A  |
| 4    | Medam Bhavana          | X | X | X | X | X | A | X | X | A | X  | A  | X  | X  | X  | X  | X  | X  | X  | A  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 5    | M. Chandra Sekhar      | X | X | X | A | X | X | A | X | A | X  | X  | X  | X  | X  | X  | X  | X  | X  | A  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 6    | Kuruva Dasu            | X | X | A | X | X | X | A | A | A | X  | X  | X  | X  | X  | X  | X  | X  | X  | A  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 7    | H. Divya Lakshmi       | X | X | A | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 8    | K. Jayasree            | X | X | A | X | X | A | A | A | A | A  | X  | A  | A  | X  | X  | X  | X  | A  | X  | X  | A  | X  | X  | X  | X  | A  | X  | X  | X  |
| 9    | Arava Jyothi           | X | X | X | A | X | X | X | X | X | A  | X  | X  | X  | X  | X  | X  | X  | X  | A  | X  | A  | X  | A  | X  | A  | X  | X  | X  | X  |
| 10   | Karli Karthik          | X | X | X | A | X | X | X | X | X | A  | X  | X  | X  | X  | X  | X  | X  | A  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 11   | Nese Kavitha           | X | X | X | A | X | A | A | X | X | A  | X  | X  | X  | X  | X  | X  | X  | A  | A  | X  | X  | X  | A  | X  | X  | A  | X  | X  | X  |
| 12   | Manukindi Lakshmidhevi | X | X | X | A | X | X | A | X | X | A  | A  | X  | A  | X  | X  | X  | X  | A  | X  | X  | X  | X  | X  | X  | X  | A  | X  | A  | X  |
| 13   | Kummari Laluprasad     | X | X | X | A | X | X | A | X | X | X  | A  | X  | X  | X  | X  | X  | X  | X  | X  | X  | A  | X  | X  | A  | X  | A  | X  | X  | X  |
| 14   | Sk. Mahaboob Basha     | X | X | X | A | A | X | A | X | A | X  | X  | X  | X  | X  | X  | X  | X  | A  | X  | X  | X  | X  | X  | X  | X  | A  | X  | X  | A  |
| 15   | Boya Mahendra          | X | X | X | A | A | X | X | A | X | X  | X  | X  | X  | X  | X  | X  | X  | A  | X  | X  | X  | X  | X  | X  | X  | A  | X  | X  | X  |
| 16   | Borra Anitha           | X | X | A | X | X | X | X | X | X | X  | X  | A  | X  | X  | A  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | A  | X  | X  | X  |
| 17   | K.B. Narayana          | X | X | A | X | X | A | X | X | A | X  | X  | A  | X  | X  | X  | X  | X  | X  | A  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 18   | M. Bajarappa           | X | X | A | X | A | X | X | X | A | X  | X  | A  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |
| 19   | Y. Chiranjeevi         | X | X | A | X | X | A | X | X | X | X  | X  | X  | X  | X  | A  | X  | X  | X  | A  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |

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# **GOVERNMENT DEGREE COLLEGE PATTIKONDA**

**DEPARTMENT OF TELUGU**

**CERTIFICATE COURSE 2022-2023**

