



Government Degree College, Pattikonda

DEPARTMENT OF PHYSICS

DEPARTMENTAL PROFILE

"Some of the brightest minds can be found in the last benches of the classroom"--APJ Abdul Kalam

INTRODUCTION:

The Department of Physics in Government degree college pattikonda established in the year 1998. During these years the departments has been rendering a very significant role to impart the scientific knowledge to the students in accordance with the syllabus of the RAYALASEEMA UNIVERSITY as well as basic science is concerned.

VISION OF THE DEPARTMENT:

The ultimate vision of education is to nurture, develop and equip the individual student to face real life challenges. Education always plays its role as an instrument to change with respect to the environment. The department considers it to be the fundamental duty to make the students aware of the development of the scientific world.

The Vision of the department is "To correlate class room Physics in day to day human life, develop scientific temperament to explore the nature and to learn and use the knowledge for development of the self."

HISTORY OF THE DEPARTMENT:

The Government Degree College was established at Pattikonda taluk head quarters in the year 1988 with Arts groups only. The M.P.C.Group was introduced was in the year 1997 with a meager strength of 22 students only. The Dept.of physics was started in the same year of 1997. The B.sc MPSC course was introduced in the year 2003 with a strength of 55 students. Now the current batch(2022-2023) consists of 120 students including both M.P.C and M.P.CS courses.

To achieve the goal, the following steps are taken

- Correlate the class room teaching (as per syllabus) to day to day life and the nature as a whole.
- To adopt technological advancement in teaching, learning and evaluation process.
- To upgrade the department into a P.G. department.
- To introduce students with different online courses, vocational training within the frame work of the syllabus .

Plan of action of the department for the next three years

The department is working under rules and regulations of the authority. However, the department sorts out the plans for the future development of the department.

- *Introduce P.G Course in physics under RU*
- *Use of ICT tools in regular classes.*
- *Online classes to support major students.*
- *Online courses in collaboration with higher institutions.*
- *Computer and Internet excess for each major students.*
- *Counseling & feedback for the students.*
- *Organized Guardians' meet for interaction and suggestions.*

Highlights of the Department:

- **Well-equipped spacious laboratories with computer and internet facilities.**
- **Departmental Library.**
- **Major Instruments : Digital Ultrasonic Pulse Echo Velocity Meter, Hall Effect Apparatus, Magnetic Susceptibility apparatus, Four probe Apparatus, Dielectric Constant and Curie Temperature apparatus, Function Generator, digital polarimeter, RF Generator. Hands on training via workshops to increase the practical skills of the students Guest Lectures and Educational trip.**
- **Coaching for JAM and other competitive exams (Co-curricular).**
- **Recognised center for National Graduate Physics Examination (NGPE), an IAPT activity Participation of students in inter and intra-college poster, seminar, quiz, debate etc.**
- **competitions**

.Activities:

- *Organization seminar competition in Physics*
- *Organization of State level Physics Seminar Competition (Scintillation 15)*
- *Participation of students in various intercollege competitions (Seminar, quiz, debate, projects)*
- *Student Internship programme in some recognized research institute/ department*
- *Skill oriented Workshops for students.*

Details of the Teaching staff:

NAME OF THE STAFF	HIGHEST QUALIFICATION	EXPERIENCE
Sri.YALEM SAISASIDHAR	M.Sc ,SLET	2 YEARS
Dr.G.SRINIVASULU	M.Sc ,Ph.D	25 YEARS
Dr.K .RAMAKRISHNA	M.Sc, Ph.D	22 YEARS

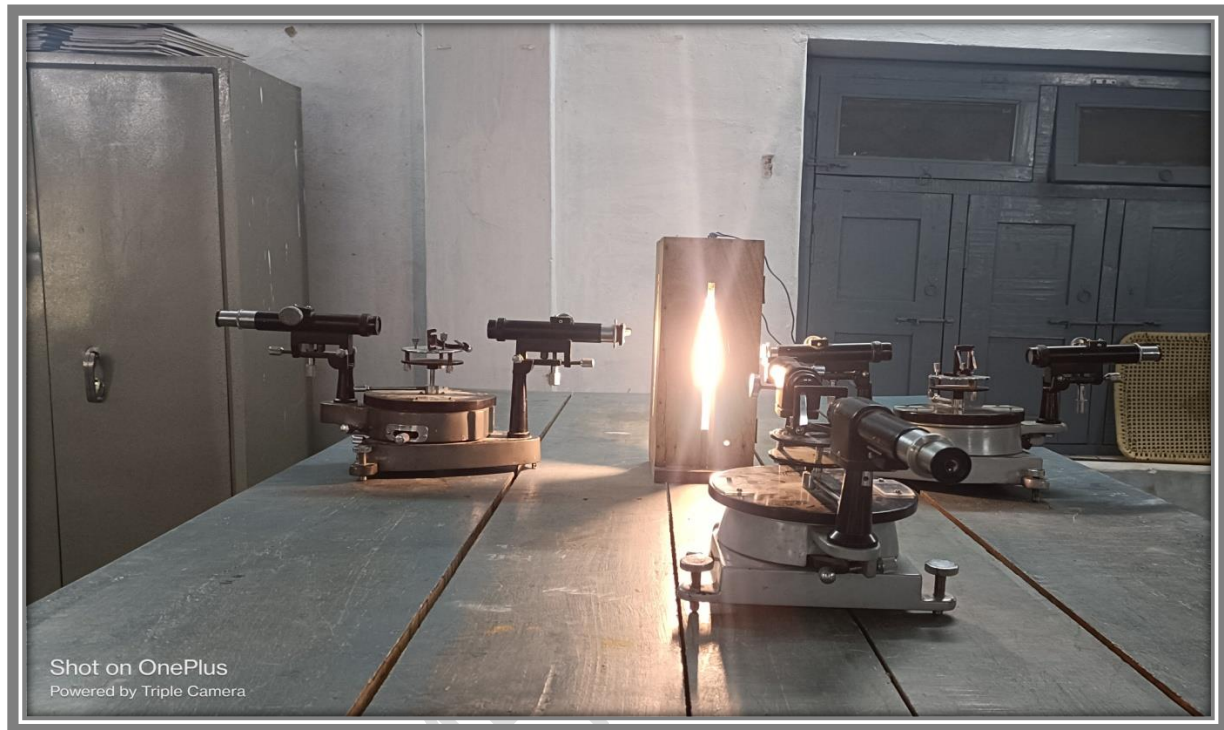
TEACHING STAFF:



PHYSICS LABOURATORY

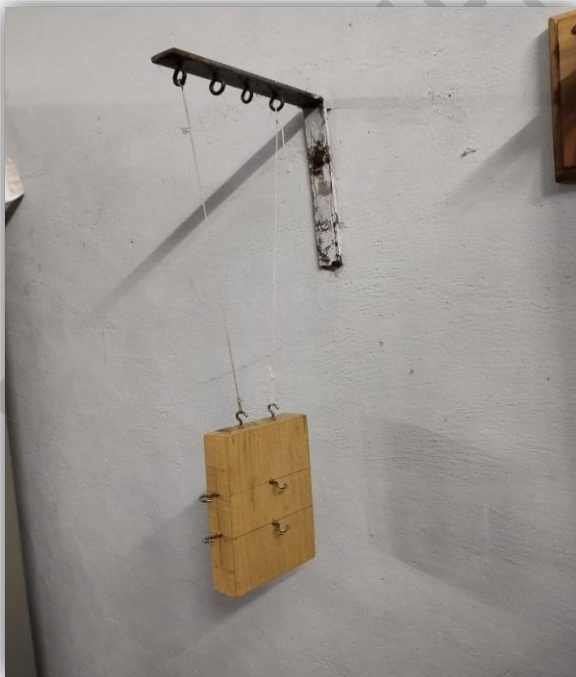


LAB EQUIPMENT





PENDULUMS



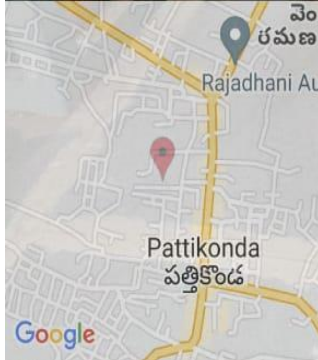
SOLAR EQUIPMENT



STUDENT PRATICALS



STUDENTS GROUP DISCUSSIONS



9FXX+PJC, Pattikonda, Andhra Pradesh 518380, India

Pattikonda
Andhra Pradesh
India

2022-07-25(Mon) 02:05(PM)



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STUDENTS' SEMINARS





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