

DEPARTMENT OF PHYSICS PROFILE ESTABLISHED :



Overview

Mr B Venkatesulu Reddy, M.Sc Physics, CSIR JRF-NET, CSIR-UGC JRF/NET and SET.

Completed my Post Graduation in S V University Tirupathi in 2013-15.

The Department of Physics has been handling Physics for B.Sc. at undergraduate level from the year of establishment since 1975. Regular field visits are part of the curriculum so as to expose the students to natural and realistic environment. The department has three well qualified and highly experienced permanent faculty members, who constantly strive for academic excellence and dissemination of knowledge to its student community. The faculty is active in its research endeavors and is resource persons to different colleges. The faculty participated in national and international seminars on a regular basis. Guest lectures are conducted regularly with an aim to expose the students to latest trends in various research fields. This also serves as a forum to all science faculty and students and also science lovers from other departments to gain and understand of the latest happenings in the field of science.

The department has well equipped lab with LCD for regular class presentations with internet facility. The department is rich good number of specimens that are maintained in the museum from the year establishment. National Seminars and workshops are conducted often in various new and innovative areas for the up gradation and up-to-date knowledge in various fields. Regular research papers are published from the faculty members which speaks about the research activities from the department. The students drop out are very less. Majority of the students opt for higher studies in various reputed institutions and other universities. Many students qualify themselves in different competitive exams conducted by the private and government organizations. Few students qualify themselves in the job drives conducted by the JKC placement cell. uuy

Programmes Offered

Programme	Programme Name	Group/Subject
UG	BSc	Mathematics, Physics, Chemistry (TM)
		Mathematics, Physics, Chemistry (EM)

CBCS system is followed for all UG/PG programmes

Programme wise Student Profile (Current year data)

	Name of the Group	Students enrolled	
		Male	Female
	Mathametics, Physics, Chemistry (TM & EM)	18	14
Grand Total		18	14

Teaching posts and Non-Teaching Posts

Post	Sanctioned	Filled
	01	01
useum keeper)	00	01 (Paid Guest
cord Assistant)	01	01

Programme wise Student – Teacher ratio

Programme	Student teacher r
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Mathematics, Physics, Chemistry (TM & EM)

Teaching methods adopted to improve student learning

- **Mentoring method**
- **Lecture Method**
- **Black board teaching**
- **LMS**
- **Power point presentations**
- **Class Seminars**
- **Group Discussions**
- **Quiz programmes**
- **Study Assignments**
- **Guest lecturers**
- **Study projects**
- **Remedial coaching for slow learners**
- **Remedial coaching for Moderate learners**
- **Remedial coaching for Advanced learners**
- **Field trips**
- **Science tour**

Details of Infrastructural Facilities

- **Departmental Library consists of 100 Books**
- **Iron Beeruva -1**
- **Wooden Beeruva -1**
- **Display iron – glass Beeruva - 3**
- **Computer (01), Printer cum Scanner (01)**
- **Internet facilities for Staff & Students.**
- **ICT facility: 01 LCD projector**
- **Laboratories – 1 Lab.**

SGK analysis of the department and Future plans

Strengths

- **Highly Qualified faculty (CSIR NET , UGC-NET and State Level Eligibility Test)**
- **Student-Centered Teaching (SCT)**
- **Teacher-Centered Teaching (TCT)**
- **Good infrastructure and well established Laboratory.**
- **Driven by our mission statement of imparting knowledge to all**
- **Harmonious relationship among the members of the management, staff, students and parents**

- **Teachers firmly believe in lifelong learning**
- **Integration of teaching and research**
- **High success rates in examinations as compared to University results**
- **Representation by faculty members in Board of Studies contributing to curriculum design and implementation**
- **Wide range of extension, co-curricular and extra-curricular activities**
- **Student feedback analyzed and used for improvement in all processes**
- **Optimum utilization of resources**
- **Teaching aids for ICT enabled teaching**
- **Student-friendly services**
- **Gender-friendly premises**
- **Eco-friendly premises**

Weaknesses

- **Limitation of space**
- **Diverse student community with poor socio-economic background**
- **Paucity of time for the teachers for research work**
- **Most of the students are of first generation**

Opportunities

- **Exploring possibility of collaborative research with research institutions**
- **Exploring the starting of new Job-oriented courses**
- **Guiding the students for higher education entrance exams like JAM,CUCET and State University's**

Challenges

- **Keeping pace with the rapid changes in higher education**
- **Sustaining quality along with access**
- **Providing resources for marginalized students**
- **Generation of resources for upgradation of infrastructure**
- **Minor and Major Projects**
- **About Research and Publications**

Future Plans

- **To improve enrolment of students.**
- **To start multidisciplinary job oriented courses.**
- **To conduct a national seminar/Workshop/Symposia.**
- **Planning to conduct a Job Drive for computer and Non Computer based.**