

- **Name of the department** : Department Of Physics
- **Year of Establishment** : 1982
- **Names of Programmes / Courses offered (UG/PG.etc):** UG- as CBCS curriculum (PCM, PMCs)
NEP: PC(Physics, Chemistry), PM(Physics , Mathematics), PCs(Physics , Computer Science)
SEP: PCM (Physics, Chemistry, Mathematics), PMCs (Physics, Mathematics, Computer Science)

Semester Scheme: NEP (National Educational Policy) \ SEP (State Educational Policy)

List of senior faculties visited our department as guest faculties :

1. *Dr. Chethan Prathap , Assistant Professor, Dept. of Physics , University Science College , Tumkur University, Tumkur*
2. *Prof. H K T Kumar, Siddaganga Institute of Technology, Tumkur*
3. *Dr. Suresh Kumar, HOD of Physics, SIT, Tumkur*
4. *Dr. Ramakrishna K , Associate Professor, Dept. of Physics , University Science College , Tumkur University, Tumkur*

Awards/ Recognitions received by faculty and students:

Ms. Pallavi D S of B.Sc (PCM) awarded as Gold medalist from Tumkur University during 2018-19 academic year.

Ms. Anushree R has secured 7th rank in the Bachelor of Science from PMCs.

Ms. Kavya P B B.Sc (PCM) secured 8TH rank from Tumkur University 2019-20 academic year.

Poojashree. R BSc (PCM) secured 1st rank from Tumkur University during 2020-21 and Gold Medalist in physics and Science Gold medalist from Tumkur University.

Nirmala TG got 4th rank in academic year 2020-21.

Sandhya H C B.Sc (PCM) got 5TH rank and awarded as Gold Medalist by Tumkur University examination 2021-22.

Raadhika B H B.Sc (PCM) got 8Th rank in academic year 2021-22.

Namratha B.Sc (PMCs) got 2nd rank in the academic year 2022-23.

Seminars/Conferences/Workshops organized by Department : 03

Teaching methods adopted to improve student learning:

Along with the conventional method of classroom lecturing, faculty of the department are proficient in using Interactive White Boards. 'Power Point' presentations are frequently used by the faculty to embellish their presentations.

Our college is the lead college for conducting new experiments.

Ours being a rural college, it provides excellent education in B.Sc degree for all categories of students with minimum expenditure.

1. Use of Information Communication Technology like smart board, PPTs and Models.
2. Demonstration of Models and charts for better understanding.
3. Remedial classes for slow learners and guidance for high scorers.
4. Seminars by students for motivating self study.
5. Awarding cash prizes for meritorious students.

Opportunities:

Students passing with Physics in B.Sc degree go for higher studies in Tumkur other Universities. Few students have also joined different Research Centers, School Service and other services.

Due to globalization wide job opportunities are available for Science students Improving Scope for higher studies, Job opportunities for Science students in almost all fields like banks, LIC, R & D, Factories, IT companies etc.

Challenges:

- a. There is limited scope for innovation in curriculum design as the syllabus prescribed by the university is strictly followed. However, topics related to frontier areas of research are discussed through internal

seminar and invited talks. This intention is threatened due to constraints of time and space.

- b. Preparing students to take up PG and higher studies.
- c. Developing communication skill and enhancing Personality development.
- d. Preparing students to take up competitive examinations like KAS, IAS, IFS etc.
- e. To motivate the students to go for job for self dependency.

Future plans:

To start PG course in physics.

To improve the performance of students in the University Examinations.

To motivate the students to take up research in Physics

To upgrade the facilities for imparting quality training to students and exploring their potential to the full extent to make them competent physicists.

To establish student guidance cell in the department to help them to take up competitive examinations, admission to PG courses and coaching to GATE

To arrange Bridge courses

To conduct personality development programs for the betterment of the students to face the current challenges.

To organize more industrial visits for students

To improve the qualification and skills of supporting staff.

Number of academic support staff (technical) and administrative staff; sanctioned and filled: management Supported-2

Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG.:

PG-04 MPhil-02 Ph.D-01 KSET-01

Publications:

Publications from faculty: 06

Student projects:

Percentage of students who have done in-house projects including inter departmental/program and activities- **About 10%**

