

DEPARTMENT OF PHYSICS

Programme Outcome:

After completion of the degree course with BSc Honours in Physics the students can avail many options depending on the areas of interest and specialization. They can choose to go for

1. B.Ed
 2. M.Sc Physics
 3. IntergratedM.Sc-PhD
 - 4 .M.Sc Medical Physics
 5. M.Sc Biophysics
 6. M.Sc Nanoscience and Nanotechnology
 7. M.Sc Environmental Science
 8. M.Sc Geophysics and Meteorology
 9. Competitive examinations (UPSC, Staff selection, Bank PO, etc)
 10. MBA
- etc

Course Outcome:

Course Name	Course Outcomes
PHY01 (T)-Mechanics, Optics, Acoustics	In addition of whatever has been learned by the students at the Higher Secondary level, New concepts on the preliminaries of Relativity was introduced to make them aware of its application at the higher studies and research.
PHY02-(T)Electromagnetism, Electronics- I	Students will be enhanced and enriched with the knowledge of electricity and its application. Students will gain knowledge about Maxwell's Equations binding on the propagation of electromagnetic waves which are very informative and relevant to the modern day technology in communication.

PHY03 (T)- Thermal Physics, Waves	Students will learn new concepts on Fourier analysis dealing with the propagation of periodic waves like sound waves which helps in making them understand the propagation of sound waves produced by musical instruments. Students will also learn the preliminaries of a new branch of Physics called Quantum mechanics, which plays a major role in research in the field of Physics and Astrophysics.
PHY04 (T)-Atomic, Nuclear and Solid State Physics	Students will learn New Concepts of Atomic and Nuclear Physics giving information on origin of stellar energy, Cosmic rays and elementary particles. They will also gain information on the preliminaries of new concepts like Superconductivity and Quantum mechanics which are very much relevant in the field of research.
PHY05 (T)-Mechanical Physics, Quantum Mechanics	This Semester is meant purely for Honours students.
PHY06 (T)- Electrodynamics, Electronics -II	The learning contains enhancement on Knowledge of Mathematical Physics and Quantum Mechanics and partly on Electrodynamics. Students will gain knowledge on vector, Matrices, Beta and Gamma Functions, Tensor analysis and electronics and radio communication and most importantly the student will learn about Computer programming which is the most important application in our day to day Technology.
PHY07 (T)-Condensed Matter PHY08 (T)Physics Atomic and Molecular Spectroscopy, Nuclear	Students will gain knowledge about Condensed matter Physics, Solid state Physics, Atomic and Molecular physics and Nuclear Physics. This will arm them with knowledge to face new challenges in higher studies and research.
The Practical Papers [PHY02 (P), PHY03 (P), PHY04 (P), PHY05 (P), PHY06 (P), PHY07 (P), and PHY08 (P)] on all semesters will guide the students to handle challenges on higher education in this new world of Technology.	