

### PHYSICS

#### Program specific outcome (PSO)

##### B.Sc. (Honours)

**PSO 1 :** Students develop insight into the basic principles and applications of the special theory of relativity, classical mechanics, quantum mechanics, statistical mechanics, heat & thermodynamics, mechanical, thermal & electrical properties of Matter, waves & oscillation, electrostatics, current electricity, magnetism, electrodynamics, solid- state physics, electronics and atomic & nuclear physics.

**PSO 2 :** Students acquire laboratory skills and gain expertise to perform experiments in physics laboratory. They familiarize themselves with different measuring instruments and learn importance of error calculations.

**PSO 3 :** Students acquire skills in handling sophisticated optical instruments. They develop theoretical and laboratory skills which should enable them to perform advanced level experiments related to optics.

**PSO 4 :** Students develop research-oriented skills with critical thinking, systematic analysis of problems and draw logical conclusions. They get equipped to handle interdisciplinary, multidisciplinary scientific study and research.

**PSO 5 :** Students learn to use their knowledge of mathematics, physics and computer programming in computational and simulation studies.

**PSO 6 :** Students become eligible to pursue a master's degree in Physical Science, apply for various professional courses, work in theoretical and experimental research-related fields and apply for several competitive examinations to get employed in government and private sectors.

**PSO 7 :** Students become conscious of their moral & ethical values and become responsible educated citizens.