Program Outcome of M.Sc. (Physics)

MSc Physics Program provides the knowledge, general competence, analytical skills on an advanced level, needed in industry, consultancy, education and research. Students are able to correlate the structure and physical properties (mechanical, electrical, optical & thermal) of materials. students are exposed to classical formulation approaches like Lagrangian and Hamiltonian dynamics and to study their application in mechanical systems and solving of problems, Also review the fundamental concepts of relativity and to create an understanding of their applications this Program provides an understanding of principles of quantum mechanics and to introduce to the ideas of Dirac formulation, Time-independent perturbation theory and approximation methods in Quantum Mechanics.

Students will be able to apply the concepts on Mathematics in solving specific problems in the areas like Quantum mechanics, Nuclear physics, Optics & Electronics, the concepts on properties of materials, phenomenon of superconductivity, its properties, different techniques used for synthesis and fabrication of nano-materials. The project work enables students to develop experimental skills and motivate them to research field.

The seminars/workshops/conferences organized by the department motivate the students to develop interest and curiosity which further makes them to take up career in scientific organizations like ISRO, DRDO, DAE, HAL, NAL etc as scientific officers/scientists etc.