

Program Outcomes (POs)

After completing the B.Sc. (Physics) program, students will be able to:

PO1: Demonstrate a fundamental and conceptual understanding of core areas in Physics such as mechanics, thermodynamics, modern physics, electronics, and optics.

PO2: Apply physical principles and experimental techniques to analyze scientific problems and interpret data meaningfully.

PO3: Use critical thinking and problem-solving skills in theoretical and laboratory-based physics contexts.

PO4: Operate scientific equipment, conduct experiments, and analyze the results using appropriate computational tools.

PO5: Develop communication skills to present scientific information effectively through oral, written, and digital formats.

PO6: Exhibit ethical practices, social responsibility, and environmental awareness through field-based, community, and laboratory engagements.

PO7: Demonstrate continuous learning and research aptitude required for higher education and employability in scientific and technological sectors.

Program Educational Objectives (PEOs)

The B.Sc. (Physics) graduates are expected to:

PEO1: Gain a solid foundation in physics and related fields enabling them to pursue advanced degrees in Physics, Engineering, or interdisciplinary sciences.

PEO2: Acquire skills for employment in education, research, industry, communication, and service sectors.

PEO3: Demonstrate analytical skills, a scientific mindset, and problem-solving abilities relevant to both academic and societal challenges.

PEO4: Engage in lifelong learning with a commitment to ethical and sustainable scientific practices.

PEO5: Contribute to community and national development through scientific awareness, innovation, and entrepreneurship.