

Department of Physics
Program Outcomes (POs) – B.Sc. Physics

Upon successful completion of the B.Sc. Physics program, students will be able to:

- 1. Acquire Fundamental Knowledge:** Demonstrate a sound understanding of core concepts in Physics, Mathematics, and related scientific disciplines.
- 2. Develop Analytical Skills:** Apply scientific principles, logical reasoning, and quantitative methods to solve physical problems.
- 3. Conduct Experiments:** Perform laboratory experiments, analyze data, interpret results, and draw valid conclusions.
- 4. Apply Scientific Methods:** Use scientific inquiry and experimental techniques to investigate physical phenomena.
- 5. Utilize Modern Tools:** Employ modern scientific instruments, computational tools, and software relevant to Physics.
- 6. Enhance Critical Thinking:** Evaluate scientific information critically and make evidence-based decisions.
- 7. Promote Research Aptitude:** Develop curiosity, innovation, and research skills for higher studies and scientific investigations.
- 8. Communicate Effectively:** Present scientific ideas, experimental findings, and technical information clearly through oral and written communication.
- 9. Demonstrate Ethical and Environmental Responsibility:** Practice professional ethics and understand the role of science in sustainable development and environmental conservation.
- 10. Prepare for Careers and Lifelong Learning:** Pursue higher education, research, teaching, entrepreneurship, and diverse career opportunities while engaging in continuous learning.
- 11. Work Collaboratively:** Function effectively as an individual and as a member or leader in multidisciplinary teams.
- 12. Contribute to Society:** Apply scientific knowledge and skills to address societal challenges and contribute to community development.