

Program Outcomes

PO-1: Knowledge and Understanding: Comprehensive knowledge and coherent understanding of the Physics, its linkages with related fields of study, and current and emerging developments in a broad multidisciplinary context.

PO-2: Complex Problem Solving: Capacity to extrapolate the acquired knowledge and skills to new/ unfamiliar real life situations.

PO-3: Analytical Thinking : identify, formulate and apply knowledge and skills of Physics and related fields to analyze, evaluate and create solutions of problems/situations in different and diverse ways.

PO-4: Creativity: Ability to identify and understand any critical problem from different windows and able to find out best solution out of the box.

PO-5: Communication Skills: Demonstrate the skills that enable them to listen, write, express and argue in clear and concise way using correct technical language in respectful and sensitive manner.

PO-6: Analytical Reasoning and Thinking: Ability to analyze any data in a reliable and scientific way with valid evidences and examples

PO-7: Leadership readiness/qualities: Ability to develop the quality of leadership which will help them to be a part of any organization as well as create a positive energy in their work field to achieve any assigned target.

PO-8: Digital and Technological Skills: Demonstrate the capability to use ICT and appropriate software for accessing and evaluating the relevant information sources in learning and work situations.

PO-9: Value Inculcation: demonstrate the acquisition of knowledge and practice constitutional, humanistic, ethical and moral values to be a responsible global citizen for the promotion of sustainable development.

PO-10: Autonomy, responsibility, and accountability: Ability to understand any fact and apply their knowledge reasonably to work independently on any assigned project.

PO-11: Environmental awareness and Action: capability to apply the knowledge, skills, attitudes, and values required to take appropriate actions for environment conservation for all living beings

PO-12: Community engagement and service: demonstrate the capability to participate in community-engaged services/ activities for promoting the well- being of society.

Program Specified Outcomes :

Programme Specific Outcomes of First Year B.Sc. in Physics

PSO1: Demonstrate an understanding of principles and theories of Physics.

PSO2: To familiarize with current and recent scientific and technological developments

PSO3: Develop a written and oral communication skills in Physics related topics.

PSO4: Develop scientific thinking and problem solving skills.

PSO5: Acquire an analytical mind to critically evaluate Physics related issues.

PSO6: To groom graduates who can demonstrate technical competence in the field of Physics and develop solutions to the complex problems.

Programme Specific Outcomes of Second Year B.Sc. in Physics

PSO1: To develop analytical abilities towards real world problems.

PSO2: To develop ability to work in a group to plan , implement and report on experiments and projects .

PSO3: Understand phenomena, principles, concepts, laws, theories and models in Physics.

PSO4: Acquire knowledge of techniques and skills specific to the study of Physics.

PSO5: Develop a habit of self reflection and the ability to think critically.

PSO6: To produce graduates who can ethically lead and work as a part of team towards the fulfillment of both individual and organizational goals.