

Programme Outcome: B.Sc Physics

PO1: Acquire adequate knowledge of the subject

PO2: Obtain a foundation for higher learning

M.Sc Physics

Programme Outcome: M.Sc Physics

PO1: Apply the knowledge of basic science fundamentals to the solution of complex scientific problems.

PO2: Identify, formulate, review research literature, and analyze complex scientific problems reaching substantiated conclusions using principles of Physics, Chemistry, Mathematics, Zoology, Botany, Geo-Informatics, and Applied Sciences.

PO3: Design solutions for complex scientific problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO4: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO5: Create, select, and apply appropriate techniques, resources, and modern chemical IT tools including prediction and modeling to complex chemical activities with an understanding of the limitations.

PO6: Elicit views of others, mediate disagreements and help reach conclusions in group settings.

PO7: Understand the issues of environmental contexts and sustainable development.

PO8: Recognize different value systems including your own, understand the moral dimensions of your decisions, and accept responsibility for them

PO9: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10: Speak, read, write and listen clearly in person and through electronic media in English and in one Indian language, and make meaning of the world by connecting people, ideas, books, media and technology.

PO11: Demonstrate scientific knowledge with the understanding of the management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO12: Acquire the ability to engage in independent and life-long learning in the broadest context research, scientific and technological change.