Program Outcomes (POs): M.Sc.(Physics)

- **PO 1:Science knowledge:** Apply the knowledge of Physics, Chemistry, and Mathematics in solving/analyzing problems in industries, research and development institutions, public sector units, higher education and in academia.

- **PO 2:Problem Analysis:** Analyze and interpret theoretical and practical data at various work-places.

- **PO 3:Design/ Development of solutions:** Design a system, component, or process to meet the desired needs within realistic constraints such as economic, environmental, health and safety, manufacturability, and sustainability.

- **PO 4:Investigations of complex problem:** Develop the ability to apply the knowledge of applied research to investigate complex problems and provide viable solutions.

- **PO 5:Modern tool usage:** Identify, formulate, and solve scientific problems using modern tools and techniques.

- **PO 6:Science and Society:** Acquire the broad education necessary to understand the impact of scientific solutions in a local, global, economic, environmental, and societal context.

- **PO 7:Environment and Sustainability:** Assess environmental damage and develop environment friendly and sustainable scientific practices.

- **PO 8:Ethics:** Develop an ethical moral value system and cater to the community needs in a voluntary manner by the judicious use of scientific principles.

- **PO 9:Multidisciplinary Approach:** Develop a multidisciplinary approach and function on multidisciplinary teams.

- **PO 10:Communication:** Develop various communication skills such as listening, speaking, writing, etc. which will help in effective expression of ideas and views.

- **PO 11:Project Management and Finance:** Apply scientific knowledge and management skills to manage projects in industries, research and development institutions, public sector units, higher education and in academia.

- **PO 12:Life-long Learning:** Demonstrate effective usage of existing resources at workplaces and raise awareness of the importance of life-long learning.