Name of Program	Master of Science - PHYSICS
Abbreviation	**M.Sc.-Physics**
Duration	**2 Years**
Eligibility Criteria	Passed B.Sc.-Physics
Objective of Program	The core objective of the MSc.-Physics programme is to prepare the students for teaching and research in the core and emerging areas of the discipline.
Program Specific Outcomes	**Learning Outcomes:** **PSO1 :** Develop and strengthen the fundamental core concepts that are required to solve complex problems. **PSO2 :** Develop the professional and entrepreneurship skills that needs independent logical and analytical thinking, teamwork and leadership. **PSO3 :** Nurture the students to investigate for the design and development of a workable solution for a real world problem through computer program. **PSO4 :** The Students would be able to realize various applications with proper understanding of linear vector space and matrices, differential equations, special functions, series expansion and integral transforms. The students are enabled to understand the motion of a mechanical system using Lagrange and Hamilton formalisms. The Students would be able to understand the concepts of Quantum Mechanics and capable to solve their problems. The students would be able to explain basic physics and application of different types of electronic devices, familiazation with microelectronics and microprocessor of circuits and to seek career in electronics Industry. The Students would be able to apply ensemble theory to complex problems, analyze the peculiar Gas behavior and explore the in applications using different approximations. Their soft skills may develop by programming laboratory works. **PSO5 :** Develop students for self-learning and practicing challenging problem solution through Design built and Test experiments. **PSO6 :** Train students to use advanced knowledge in their resign of specifications for science and application domain specific knowledge.
Mapping between POs and PSOs	
Medium of Instruction	English

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
PO1							
PO2							
PO3							
PO4							
PO5							
PO6							
PO7							