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 Outcome	**PO1 : Fundamental Knowledge Enrichment** The Students will obtain basic theoretical and Practical knowledge in Physics Sciences. They will be trained to complete tests like UGC-CSIR, NET, GSET, GATE etc.. Successfully. It also makes students capable of using core concepts of physics in conceptualization of domain specific viz Theoretical Physics, Material Science and Electronics. **PO2 : Critical Thinking Development** The examination pattern for M.Sc. program Physics having the 30% weightage for problem and applications and 70% weightage given to theory. This concept develops the skills of critical thinking, program solving, evaluative learning of various techniques, and understanding the essence of the problem. **PO3 : Advanced Emerging Technology Awareness** The Syllabus of this program consist of Advanced QM, Advance Materials science, Microelectronics and Microprocessor. So, the students avail the advance knowledge in their resign. Which enrich them through this knowledge of latest technologies that is being used in Industry as well as Research Institute. The continuous syllabi review adds value to the program for the outgoing students and make them ready to face challenging demands of the Industry. **PO4 : Advanced Tools Usage** Computer laboratory are compulsory for all specification, so their soft skill are developed by programming. LCD project smart class room, PPT and Videos are used for regular teaching. This teaching helps them to apply the advanced tools to solve real world problems. **PO5 : Nurturing Project Planning and Management Capabilities** The program trains students for designing and conceptualizing the software architecture, planning and managing the product development process of complex and live software projects. It also makes students understand the decision making for selection of appropriate project management capabilities. **PO6 : Real World Problem / Project Development** Real world project provides the candidates exposure to work in the challenging and demanding environment of the industry. The project development training makes students employable and industry ready. **PO7 : Team Work and Leadership Development** Trains students to work in a team and also to take leadership of the project management team.