

**PROGRAMME SPECIFIC OUTCOMES
DEPARTMENT OF PHYSICS**

Programme Specific Outcomes of B.Sc., Physics Degree Programme:

PO/PSO Nos.	Programme Outcomes	Programme Specific Outcomes
		On successful Completion of B.Sc., (Physics)Programme , the students would be able to
1.	Disciplinary knowledge	demonstrate the fundamental concepts and principles of Physical Sciences such as Mechanics, Heat and Thermodynamics, Optics, Mathematical Physics, Properties of Matter, Electronics, Electricity & Magnetism, Environmental issues related to Physics.
2.	Communication Skills	organize and deliver the knowledge and skillseffectively, efficiently through written, verbal, graphical/virtual modes and interact productively with people from diverse background
3.	Critical thinking, problem solving and analytical reasoning	develop proficiency in the analysis of complex physical problems and the use of physical, mathematical and computational techniques to solve them
4.	Research skills and reflective thinking	improve aptitude skills, reasoning ability, undertake mini projects in order to qualify various state level and national level career competitive examinations
5.	Teamwork and Leadership skills for interpersonal competence	build the ability to work in a team to solve the problems related to Physics
6.	Continuous autonomous learning and digital literacy	use ICT and other related resources for life-long learning
7.	Social consciousness with concern for environment	realize, develop and understand the value of Physics and Science for contribution to the betterment of the Society

Programme Specific Outcomes of M.Sc., Physics Degree Programme:

PO/PSONos.	Programme Outcomes	Programme Specific Outcomes
		On successful Completion of M.Sc., (Physics) Programme , the students would be able to
1.	Disciplinary knowledge	demonstrate knowledge, skills, attitude in fundamental and advanced level of Physics particularly Classical Mechanics, Quantum Mechanics, Nuclear Physics, Condensed Matter Physics and Statistical Mechanics
2.	Communication Skills	express the ideas and thoughts in appropriate forums effectively, confidently and succinctly
3.	Critical thinking, problem solving and analytical reasoning	think critically for designing solutions for the complex problems related to Physics
4.	Research skills and reflective thinking	identify, formulate and analyze the research problems using principles of Physical sciences and interpret the results to provide valid suggestions.
5.	Teamwork and Leadership skills for interpersonal competence	promote managerial skills to work independently and in groups and interact and collaborate in inter-disciplinary context
6.	Continuous autonomous learning and digital literacy	recognize the need for, and have the preparation and ability to engage in ICT and life-long learning in the broadest context of Physics
7.	Social consciousness with concern for environment	act individually with socio, economic and environmental responsibility in the multi-cultural dimensions of the Society