

B.Sc., PHYSICS

PROGRAM OUTCOMES (PO)

At the end of the programme, the students will be able to

PO Number	PO Statement
PO1	Critical Thinking: Take informed actions after identifying the assumptions that frame our thinking and actions, checking out the degree to which these assumptions are accurate and valid, and looking at our ideas and decisions (intellectual, organizational, and personal) from different perspectives.
PO2	Effective Communication: 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.
PO3	Social Interaction: Elicit views of others, mediate disagreements and help reach conclusions in group settings.
PO4	Effective Citizenship: Demonstrate empathetic social concern and equity centered national development, and the ability to act with an informed awareness of issues and participate in civic life through volunteering.
PO5	Ethics: Recognize different value systems including your own, understand the moral dimensions of your decisions, and accept responsibility for them.
PO6	Environment and Sustainability: Understand the issues of environmental contexts and sustainable development.
PO7	Self-directed and Life-long Learning: Acquire the ability to engage in independent and life-long learning in the broadest context socio-technological changes.

PROGRAMME SPECIFIC OUTCOMES (PSO)

PSO Number	PSO Statement
PSO1	Acquire inquisitive skills to explore theoretical and experimental physics problems
PSO2	Expand fundamental knowledge over core areas of physics and triggers to pursue higher education
PSO3	Develop effective communication skill to express technical views in understandable manner
PSO4	Analyze the properties of different class of materials
PSO5	Understand the pertinence of physics to diverse area and tune indispensable professional skill sets

M.Sc.. PHYSICS

PROGRAM OUTCOMES (PO)

At the end of the programme, students will be able to:

PO1	Critical Thinking: Take informed actions after identifying the assumptions that frame our thinking and actions, checking out the degree to which these assumptions are accurate and valid, and looking at our ideas and decisions (intellectual, organizational, and personal) from different perspectives.
PO2	Effective Communication: 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.
PO3	Social Interaction: Elicit views of others, mediate disagreements and help reach conclusions in group settings.
PO4	Effective Citizenship: Demonstrate empathetic social concern and equity centered national development, and the ability to act with an informed awareness of issues and participate in civic life through volunteering.
PO5	Ethics: Recognize different value systems including your own, understand the moral dimensions of your decisions, and accept responsibility for them.
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PO7	Self-directed and Life-long Learning: Acquire the ability to engage in independent and life-long learning in the broadest context socio-technological changes.

PROGRAMME SPECIFIC OUTCOMES (PSO)

At the end of the programme, students will be equipped with the Knowledge in:

PSO1	Comprehending the concepts of advanced physics.
PSO2	Developing model and capable of deriving solution for various physical systems using the background of theoretical physics.
PSO3	Applying the learned experimental skills to develop newer materials with unique characteristics by employing variety of synthesis techniques.
PSO4	Analyzing and augmenting the application feasibility of Physics formulations in emerging science trends with professional responsibilities.
PSO5	Perceiving required skills for employment in academic, research and industry in diverse zone under Physics discipline