

**INDIRA GANDHI COLLEGE OF ARTS AND SCIENCE, NELLIKUZHY**

**PROGRAMME OUTCOMES : BSC PHYSICS**

<b>PO1</b>	<b>Fundamental Understanding of Physics:</b> Demonstrate a comprehensive understanding of core concepts in physics, including classical mechanics, electromagnetism, quantum mechanics, and thermodynamics, and their applications in various physical phenomena.
<b>PO2</b>	<b>Experimental Skills:</b> Develop hands-on skills in designing, conducting, and analyzing experiments, including the use of laboratory instruments

	and techniques to investigate physical principles and validate theoretical predictions.
<b>PO3</b>	<b>Mathematical Proficiency:</b> Apply mathematical methods and techniques to solve complex problems in physics, including calculus, linear algebra, and differential equations, to model and analyze physical systems.
<b>PO4</b>	<b>Critical Thinking and Problem-Solving:</b> Utilize critical thinking and analytical skills to approach and solve challenging problems in physics, including formulating hypotheses, conducting experiments, and interpreting results.
<b>PO5</b>	<b>Research and Innovation:</b> Engage in research activities to explore advanced topics in physics, contribute to scientific knowledge, and apply innovative approaches to current challenges in the field.
<b>PO6</b>	<b>Communication and Professionalism:</b> Exhibit effective communication skills, both written and oral, to present scientific ideas, research findings, and technical information clearly and professionally to diverse audiences.