



Department of Physics
Rishi Bankim Chandra Evening College
Naihati, North 24 Parganas, PIN – 743165, West Bengal, India
Phone: (033) 2581-1281 ♦ Email: physics@rbcec.in

Program Outcomes

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| PO 1 | ➤ Critical Thinking | <ul style="list-style-type: none">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. |
| PO 2 | ➤ Problem Solving | <ul style="list-style-type: none">Understand and solve problems of relevance to society to meet the specified needs using the knowledge, skills and attitudes acquired from sciences / social sciences. |
| PO 3 | ➤ Computational Thinking | <ul style="list-style-type: none">Understand data-based reasoning through translation of data into abstract concepts using computing technology-based tools |
| PO 4 | ➤ Effective Communication | <ul style="list-style-type: none">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. |
| PO 5 | ➤ Environment and Sustainability | <ul style="list-style-type: none">Understand the issues of environmental contexts and sustainable development. |

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B. Sc. Physics - Program Specific Outcomes (PSO)

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| PSO 1 | <ul style="list-style-type: none">Understand basic mechanics and properties of matter. |
| PSO 2 | <ul style="list-style-type: none">Illustrate the principles of electricity, magnetism, thermodynamics, optics and spectroscopy. |
| PSO 3 | <ul style="list-style-type: none">Identify, formulate and analyse complex problems using basic principles of mathematics, physics and statistics. |
| PSO 4 | <ul style="list-style-type: none">Design, construct and analyse basic electronic and digital circuits. |
| PSO 5 | <ul style="list-style-type: none">Understand the basics of programming language and apply it to various numerical problems. |
| PSO 6 | <ul style="list-style-type: none">Develop effective communication skills. |
| PSO 7 | <ul style="list-style-type: none">Develop experimental skills and independent work culture through a series of experiments that compliment theories and projects. |

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