

Program Educational Objectives (PEOs),
Program Outcomes (POs)
&
Program Specific Outcomes (PSOs)
(2021 - 2022 Batch)



THE DEPARTMENT OF PHYSICS

THE H. N. S. B. LTD. SCIENCE COLLEGE
N.H. – 48, MOTIPURA,
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Vision:-

The Department of Physics strives to provide an intellectual environment that fosters the search for the new knowledge in highly dynamic techno -world through its quality education.

Mission:-

The Department focus is on the comprehensive, interdisciplinary teaching in applications of Physic, so as to enable learning and applying new technique in dynamic techno -world as the field evolves.

Program Educational Objectives (PEOs)

The graduate will

PEO-1	Graduates will develop the skills to handle new techniques applied in dynamic techno-world where they have to serve themselves.
PEO-2	Graduate will use their course as a training ground to develop their positive attitude, skills which will enable them to become a multi facet personality shining in any chosen field.
PEO-3	Graduate will generate the creativity and acquire the knowledge to solve the complex problems due to practical education.
PEO-4	Graduate develop teaching skills, subject knowledge in the course of their study which will help them to shine in various field including education.

Program Outcomes (POs)

PO-1	Acquire ability to understand the complex technique applied in various devices.
PO-2	Develop skill to think critically on abstract concept of Physics and Electronics.
PO-3	Acquire the ability to think independently for lifelong learning.
PO-4	Formulate and develops scientific argument in logical manner
PO-5	Acquire knowledge to design and executing of the experiment.

Program Specific Outcomes (PSOs)

PSO-1	Understand basic concepts of Physics.
PSO-2	Develop the skill to handle modern scientific devices.
PSO-3	To integrate knowledge and skills of understanding scientific world that will sustain an environment of learning and creativity among the students with an assurance for good career.
PSO-4	Identify fundamental concept of electronics and mechanics.

Course Outcomes (COs)

Course	Outcome
Physics Paper-5 CC-PHY-401	To enable the students to learn the Mechanics, Special theory of Relativity, Nuclear Physics and Plasma Physics.
Physics Practical CC-PHY-401	Students will gain an understanding of criteria Mechanics, Optics and X-rays.
Physics Paper-6 CC-PHY-402	To enable the students to learn the Statistical Mechanics, Quantum Physics and Digital electronics.
Physics Practical CC-PHY-402	Students will gain an understanding of criteria Electronics and Digital Electronics.