

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,**  
**HIMATNAGAR (S. K.)**  
**GUJARAT (383001)**  
**[www.physicshmt.wordpress.com](http://www.physicshmt.wordpress.com)**

### **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*

<b>PEO-1</b>	Graduates will develop the skills to handle new techniques applied in dynamic techno-world where they have to serve themselves.
<b>PEO-2</b>	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.
<b>PEO-3</b>	Graduate will generate the creativity and acquire the knowledge to solve the complex problems due to practical education.
<b>PEO-4</b>	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)**

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

## **Program Specific Outcomes (PSOs)**

<b>PSO-1</b>	Understand basic concepts of Physics.
<b>PSO-2</b>	Develop the skill to handle modern scientific devices.
<b>PSO-3</b>	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.
<b>PSO-4</b>	Identify fundamental concept of electronics and mechanics.

## **Course Outcomes (COs)**

<b>Course</b>	<b>Outcome</b>
<b>Physics Paper-3</b> <b>CC-PHY-301</b>	To enable the students to learn the Heat & Thermodynamics, Spectroscopy- Modern Physics and Crystal structure.
<b>Physics Practical</b> <b>CC-PHY-301</b>	Students will gain an understanding of criteria of Optics, Fluid and Electronics.
<b>Physics Paper-4</b> <b>CC-PHY-302</b>	To enable the students to learn the Magneto statics, Electronics and Optics.
<b>Physics Practical</b> <b>CC-PHY-302</b>	Students will gain an understanding of criteria Electronics and Digital Electronics.