

# **BASIC SCIENCE & HUMANITIES DEPARTMENT**

## **DEPARTMENT OVERVIEW**

The basis for engineering studies is provided by the department of Basic Sciences. The department offers courses in Mathematics, Physics, Chemistry, English, and Foundational Engineering. Modern lab facilities are available for students to utilize, giving them a deeper comprehension of the basic sciences.

What the Basic Sciences and Humanities Department is expected to offer is:

- Excellent, fair foundation courses in English, Physics, Chemistry, Mathematics, and the Fundamentals of Engineering.
- Mathematical and scientific foundations that support the integration of technical knowledge across engineering specialties.
- Insights into the decision-making processes of people, groups, and governmental entities.
- Fundamental communication abilities are a useful tool when speaking with any organization's stakeholders.

The goal of the Department of Basic Sciences and Humanities is to establish itself as an exceptional department that enhances

## **Vision**

To impart opportunity in various value of education and facilitate them to gain their skill in the areas of humanities and social science

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## **Mission**

- To assist students to gather their knowledge in practical based applications through proper practice.
- Guide to enhance confidence and build a greater sense of self consciousness and appreciation for others.
- Promote them to go ahead in their life and achieve overall improvement.

## Program Educational Objectives (PEO)

- ❑ To provide students with the knowledge of Basic Sciences, Engineering and Social Science in general so as to impart the necessary skill to analyze and develop different logical and precise thinking so that the student can utilize it in project planning and estimation.
- ❑ To generate an interest for scientific learning, achieve significant success in group discussion and personal interview, encouraging them for seminars, secure jobs through interviews with his **enhanced communication skills.**
- ❑ To enlighten basic knowledge of the individual subjects given in the curriculum of Basic Science and Humanities and expand concepts of the subjects to students to the level that they get well prepared to **undertake higher studies.**
- ❑ To prepare the students to **successfully work in various Industrial and Government organizations** and make them able to manage and control his emotions in work place through the required life skills

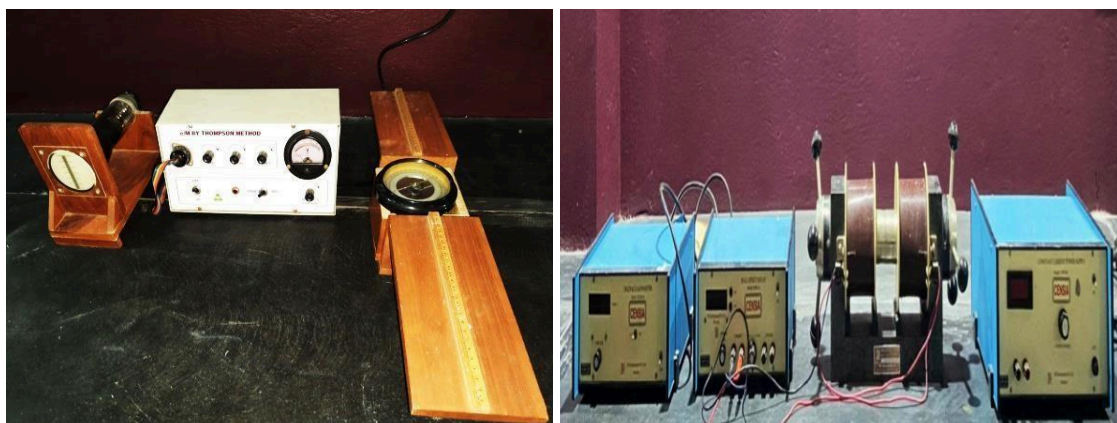
## Program Specific Outcome (PSO)

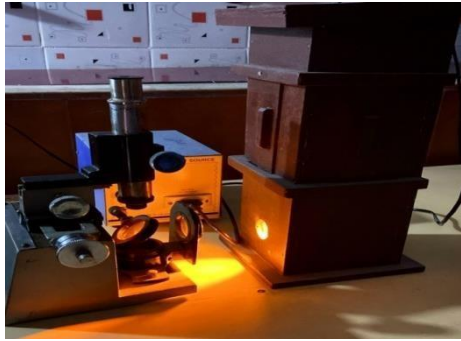
**PSO1:** Gain the skill to grasp, recognize, evaluate, and apply the information and abilities from basic courses in engineering, science, and the humanities, and connect these concepts to key topics in the related discipline.

**PSO2:** Understanding fundamental engineering concepts and abilities via the development and application of effective lifelong learning techniques that foster the development of thinking, logic, analysis, and communication skills.

**PSO3:** Develop the mind-set for working effectively both individually and in cross-disciplinary teams to become better citizens in a multicultural society. You may do this by taking part in technical events and social welfare programs, which will help you, learn how to work in teams and gain new skills.

## PHYSICS LABORATORY









## CHEMISTRY LABORATORY





# **LANGUAGE LABORATORY**



