

Department of Electrical Engineering

Activity: "Innovative Teaching Learning Pedagogy"

Date & Day: 6/02/2025

Activity Name: Experiential Learning

Subject : Power System 1

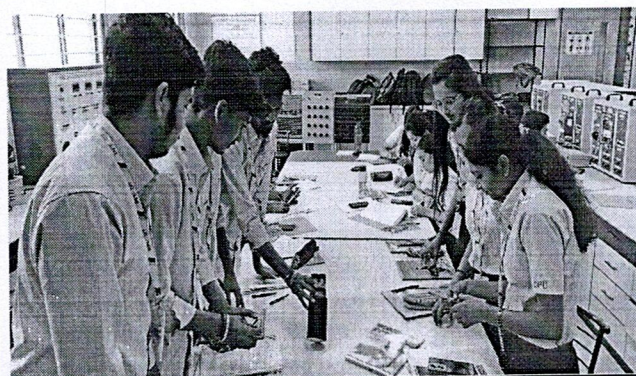
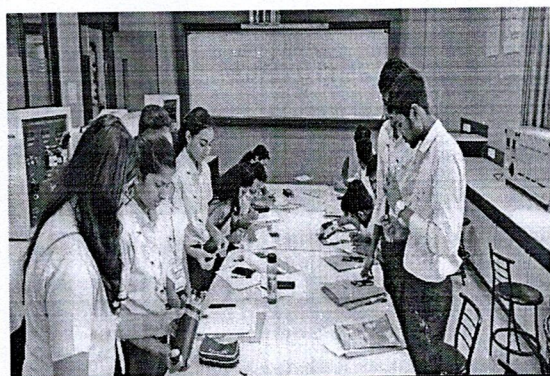
Venue: Power System Lab, Computer Lab

Activity conducted by: Mr. Digvijay B Kanase

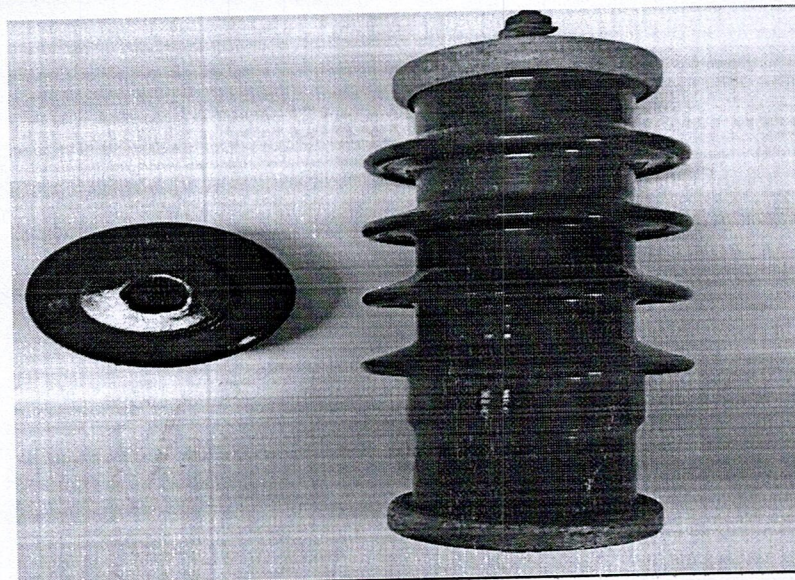
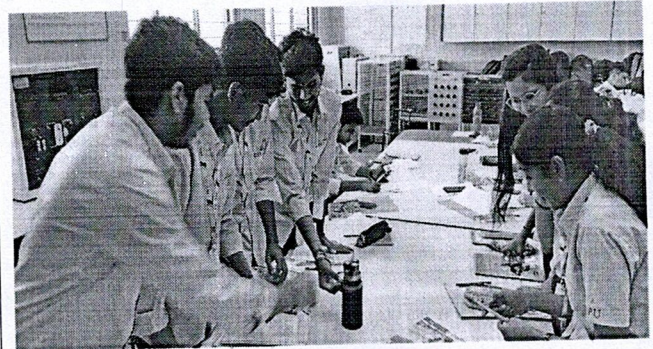
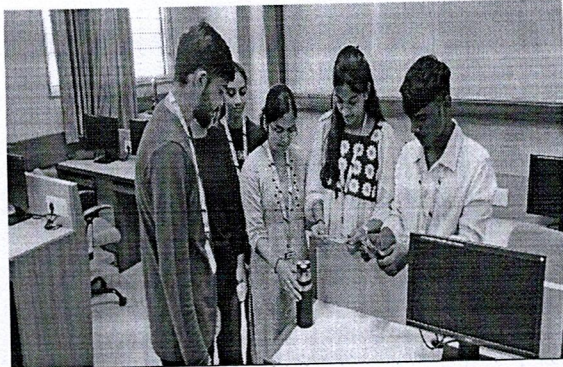
Objectives:

1. The objective of this activity is to provide students with hands-on exposure to **underground cable systems** used in electrical power distribution.
2. Understand the Construction and Components
3. Explore Practical Applications in Power Systems
4. Compare Underground and Overhead Systems
5. Different types of Insulators used in OH lines

Photographs:



Department of Electrical Engineering



Outcome:

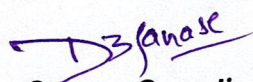
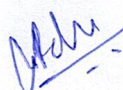
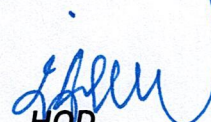
- Outcome:**
1. **Identify and describe underground cable components** and their functions.
 2. **Analyze the performance characteristics** of underground cables, including insulation properties and power transmission capacity.
 3. **Compare underground and overhead systems** to determine their suitability for different applications.
 4. **Types of Insulators based on voltage rating**

Mapping of Pedagogy with POs and PSOs:

[illegible]

Department of Electrical Engineering**Mapping of POs and PSOs with Justification:**

POs and PSOs Mapped	Justification
PO1	Students apply fundamental electrical engineering principles to understand underground cable design, insulation, and installation procedures. And types of insulators
PO3	Understanding underground cable and Insulators specifications allows students to consider appropriate design choices for real-world applications in power distribution networks.


Course Coordinator
DAC
HOD