

Department of Electrical Engineering

Activity: "Innovative Teaching Learning Pedagogy"

Date & Day: 5th February 2025, Wednesday

Activity Name: Demonstrative Learning as Innovative Teaching-Learning Pedagogy for Transformer Assembling and Testing

Subject: EM - I

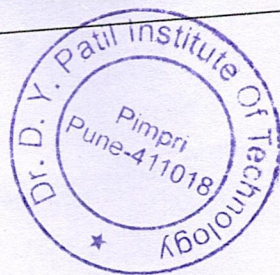
Venue: Sonal Transformers, Chinchwad

Activity conducted by: Dr. Haripriya Kulkarni

Objectives:

The key objective of this demonstrative learning session was to bridge the gap between theoretical concepts and real-world application by allowing students to observe and participate in the actual process of transformer assembling and testing. The session aimed to enhance experiential understanding, foster technical curiosity, and develop hands-on competency in transformer technology.

Photographs:



Department of Electrical Engineering



Outcome:

- Enhanced conceptual clarity of transformer construction and operation.
- Familiarity with industrial safety practices and quality standards.
- Ability to relate classroom learning with practical transformer systems.
- Increased interest in core electrical engineering fields and industry-oriented skills.

Mapping of Pedagogy with POs and PSOs:

PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
3			2			2		2	2		2			

Mapping of POs and PSOs with Justification:

POs and PSOs Mapped	Justification
PO1	Students apply foundational electrical engineering knowledge to understand vector groups and transformer configurations.
PO4	They observe and interpret experimental setups related to parallel operation and analyze testing data.
PO7	Environmental and safety considerations in transformer operation and handling are introduced.
PO9	Team-based observation and discussion at the industry promotes collaborative learning.
PO10	Students communicate queries and technical observations with plant engineers, enhancing verbal technical communication.
PO12	Exposure to transformer connection types and their real-world relevance builds lifelong learning motivation in power engineering topics.

Course Coordinator

DAC

HOD

