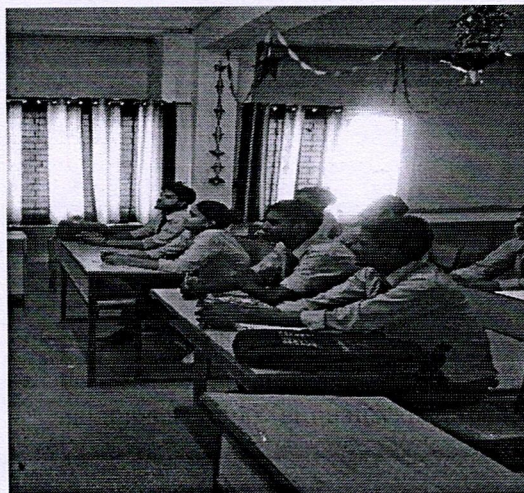

Department of Electrical Engineering

Activity: "Innovative Teaching Learning Pedagogy"**Date & Day:** 10/04/2025**Activity Name:** Active Learning Pedagogy on Power Quality Challenges**Subject :** Smart Grid**Venue:** B 206**Activity conducted by:** R.V.Katre**Objectives:**

1. To familiarize students with various power quality (PQ) issues such as voltage sags, swells, harmonics, and transients.
2. To analyze the causes and impacts of power quality disturbances in electrical systems.

Photographs:

Department of Electrical Engineering**Outcome:**

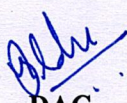
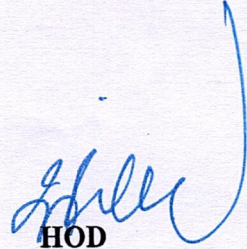
1. Identify different types of power quality disturbances and their sources.
2. Analyze the impact of poor power quality on system performance and equipment.

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	3	-	-	-	2	-	-

Mapping of POs and PSOs with Justification:

POs and PSOs Mapped	Justification
PO1	Students apply basic electrical engineering concepts to understand PQ issues.
PO2	Analyze real-world PQ problems and find root causes using active discussions.
PO8	Discuss ethical implications of neglecting PQ in industrial systems.
Po9	Team-based problem solving and peer evaluation during activity sessions.
PSO1	Analyzing power quality issues in real-world electrical networks.


Course Coordinator
DAC
HOD