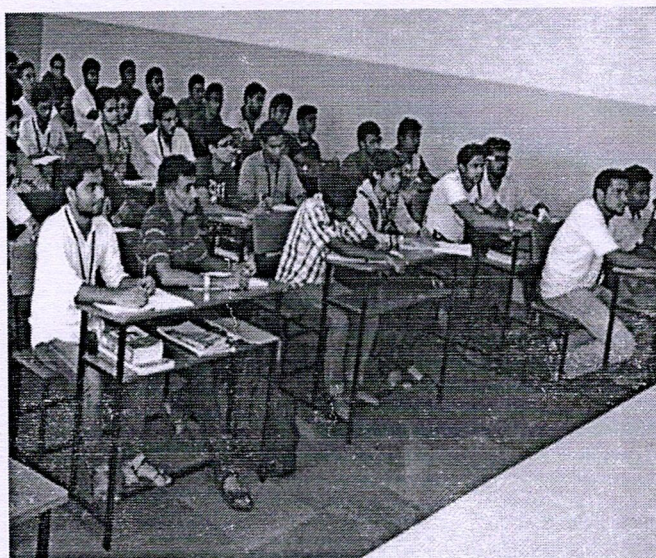

Department of Electrical Engineering

Activity: "Innovative Teaching Learning Pedagogy"**Date & Day:** 4/09/2024**Activity Name:** Lecture-Based Pedagogy on power system stability**Subject :** Power System Operation and Control**Venue:** B 206**Activity conducted by:** Anshu Sharma**Objectives:**

1. To explain the types and importance of stability in power systems.
2. To analyze the dynamic behavior of synchronous machines under disturbance.
3. To introduce methods to improve stability using control devices and system design.

Photographs:

Department of Electrical Engineering

Outcome:

1. Understand the concepts of power system stability and its classification
2. Evaluate the impact of faults and corrective measures for system stability.

Technological and Innovation Outcomes:

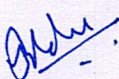
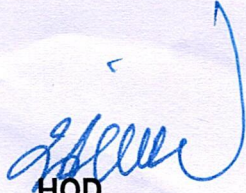
3. assess transient stability

Mapping of Pedagogy with POs and PSOs :

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

Mapping of POs and PSOs with Justification:

POs and PSOs Mapped	Justification
PO1	Requires applying electrical engineering principles to stability analysis.
PO2	Students analyze disturbances and solve swing equation problems.
PO12	Technologies like FACTS for stability encouraging continuous learning.
PSO1	Strong relevance in understanding how system protection affects stability.


Course Coordinator
DAC
HOD