DYP DPU

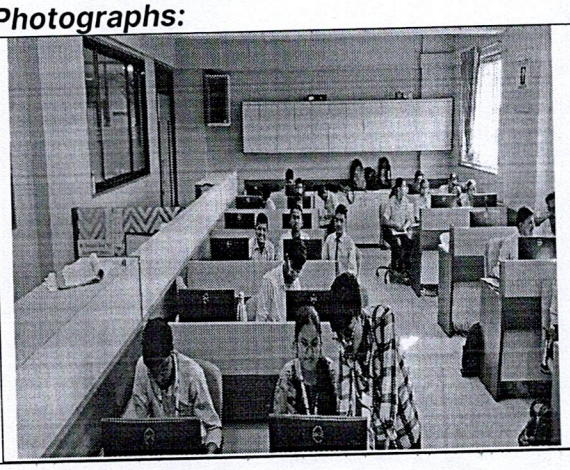
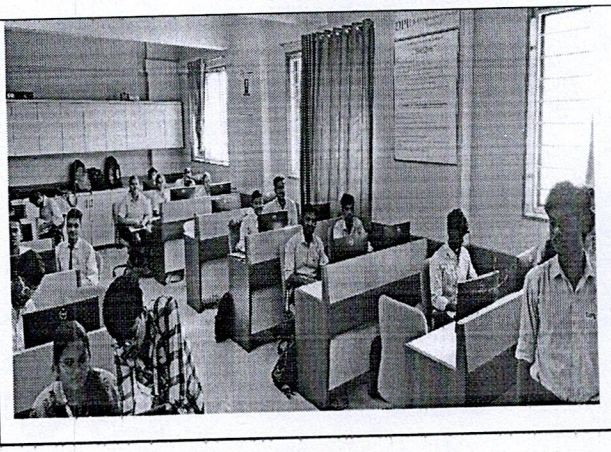
Dr. D. Y. Patil Unitech Society's

Dr. D. Y. Patil Institute of Technology

Pimpri, Pune

Department of Electrical Engineering

Activity: "Innovative Teaching Learning Pedagogy"

Date & Day: *16/04/2025*
Activity Name: *Problem Solving*
Subject : *Power System 1*
Venue: *Computer Lab*
Activity conducted by: *Mr. Digvijay B Kanase*
Objectives: *To enhance students' analytical and problem-solving abilities by engaging them in solving numerical problems related to key topics in Power System I through collaborative group work, fostering peer learning and deeper conceptual understanding*
Photographs:  
Outcome: 1. *Students were able to apply theoretical knowledge to solve practical numerical problems related to transmission lines, line parameters, Sag, etc* 2. *They improved their mathematical reasoning and accuracy in calculations.* 3. *Group activity encouraged teamwork, communication, and peer-to-peer learning.* 4. *Students demonstrated increased confidence in approaching complex power system problems and interpreting results logically.*

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Mapping of Pedagogy with POs and PSOs:

PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Po11	PO12	PSO1	PSO2	PSO3
3	3		3					2						

Mapping of POs and PSOs with Justification:

POs and PSOs Mapped	Justification
PO1	Students used foundational knowledge of electrical engineering and power systems to solve numerical problems
PO2	The activity required students to identify problem parameters, interpret data, and apply suitable formulas or approaches to reach logical conclusions
PO3	Students explored various methods to solve numerical problems and validated their results through critical thinking
PO4	The group-based format helped students function effectively as a team, sharing responsibilities and learning collaboratively

Course Coordinator **DAC** **HOD**