

Activity: "Innovative Teaching Learning Pedagogy- Quiz"

Date & Day: 21-08-2024, Wednesday

Activity Name: Quiz

Topic: Power Quality Basics (Voltage Sag, Harmonics, Flicker, Transients)

Subject : Power Quality Management

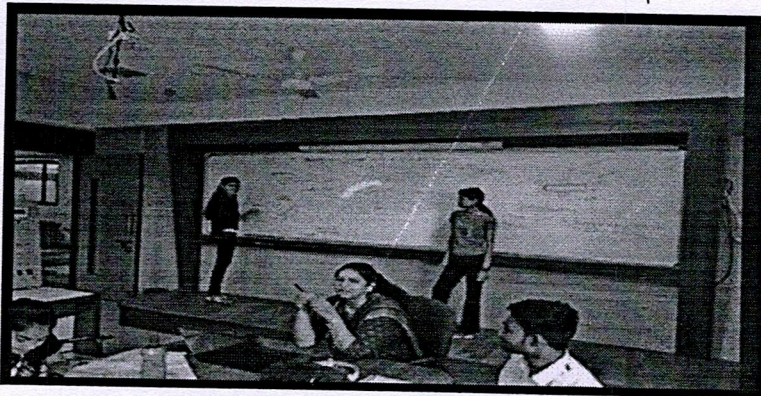
Venue: PLC lab, Electrical Engineering Department

Activity conducted by: Rutuja Warbhe

Objectives:

- To assess students' conceptual understanding of power quality phenomena.
- To identify gaps in knowledge related to voltage disturbances, harmonics, and system impacts.
- To reinforce pre-class learning as part of the flipped classroom approach.

Photographs:



Outcome: The quiz successfully assessed students' foundational understanding of power quality. It highlighted areas for improvement and reinforced the effectiveness of flipped learning, as most students who completed pre-class materials scored higher.


Subject Teacher


DAC


H.O.D



**Dr. D. Y. Patil Unitech Society's
Dr. D. Y. Patil Institute of Technology, Pimpri, Pune**

Activity: "Innovative Teaching Learning Pedagogy- Flipped classroom"

Date & Day: 15-03-2023, Wednesday

Activity Name: Flipped classroom

Subject : HVDC and FACTS

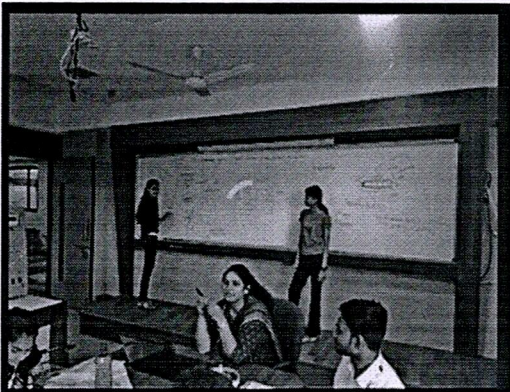
Venue: PLC lab, Electrical Engineering Department

Activity conducted by: Rutuja Warbhe

Objectives:

- To enable students to understand the role of STATCOM in power systems through active learning.
- To promote self-paced learning, followed by collaborative and practical engagement in class.

Photographs:



Outcome:

- Flipped classroom pedagogy was effective in promoting active engagement with the complex topic of STATCOM in FACTS. The use of multimedia, simulations, and problem-solving activities significantly enhanced understanding and retention.

Subject Teacher

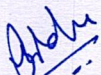
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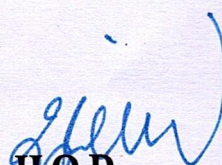
H.O.D

Mapping of POs and PSOs with Justification:

POs and PSOs Mapped	Justification
PO 1(a) Engineering Knowledge	Students apply knowledge of electrical engineering fundamentals to understand and implement windings.
PO 9 (i) Individual and Team Work	Activity is team-based, encouraging collaboration and leadership.
PO 10 (j) Communication	Students explain and present their work clearly to peers and faculty
PO 12 (l) Lifelong learning	Students recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.
PSO 3	Apply the concepts of electrical engineering in a multidisciplinary fields


Subject Teacher


DAC


H.O.D



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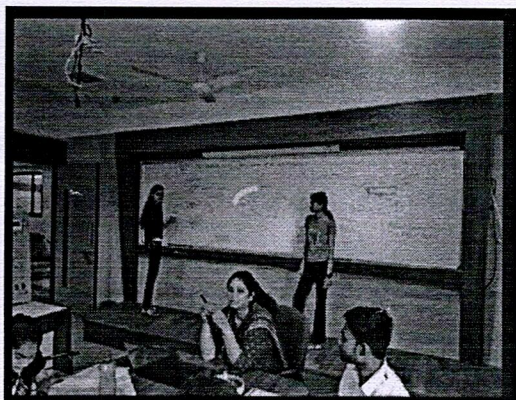
Venue: PLC lab, Electrical Engineering Department

Activity conducted by: Rutuja Warbhe

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Subject Teacher

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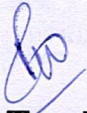
H.O.D



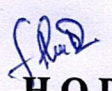
Dr. D. Y. Patil Unitech Society's
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Mapping of POs and PSOs with Justification:

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Subject Teacher


DAC


H.O.D



Dr. D. Y. Patil Unitech Society's

Dr. D. Y. Patil Institute of Technology, Pimpri, Pune

Activity: "Innovative Teaching Learning Pedagogy- Experimental learning

Date & Day: March 1, 2024

Type of Activity: Experimental/Collaborative Learning

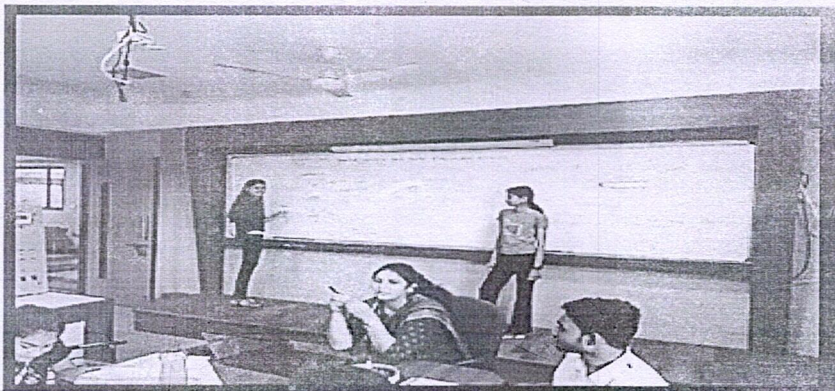
Venue: Electrical Machines Lab, Electrical Engineering Department

Activity conducted by: Rutuja Warbhe for CADEM subject

Objectives:

- Enhancing Public Speaking Skills:
- improving Research Skills:
- Promoting Critical Thinking:
- Enhancing Technological Proficiency:

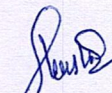
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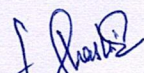


Outcome:

Overall, these outcomes contribute to a well-rounded educational experience, equipping students with essential skills for their academic journey and future professional endeavors.


Subject Teacher


DAC


H.O.D

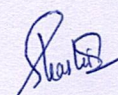


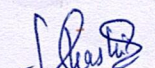
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Mapping of POs and PSOs with Justification:

POs and PSOs Mapped	Justification
PO 1 (a) Engineering Knowledge	Students apply knowledge of electrical engineering fundamentals to understand and implement windings.
PO4 (d) Conduct investigations of complex problems	Students use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
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PSO 3	Apply the concepts of electrical engineering in a multidisciplinary fields

Subject Teacher


DAC


H.O.D



Dr. D. Y. Patil Unitech Society's

Dr. D. Y. Patil Institute of Technology, Pimpri, Pune

Activity: "Innovative Teaching Learning Pedagogy- Experimental learning"

Date & Day: 13-03-2023, Monday

Activity Name: Experimental learning

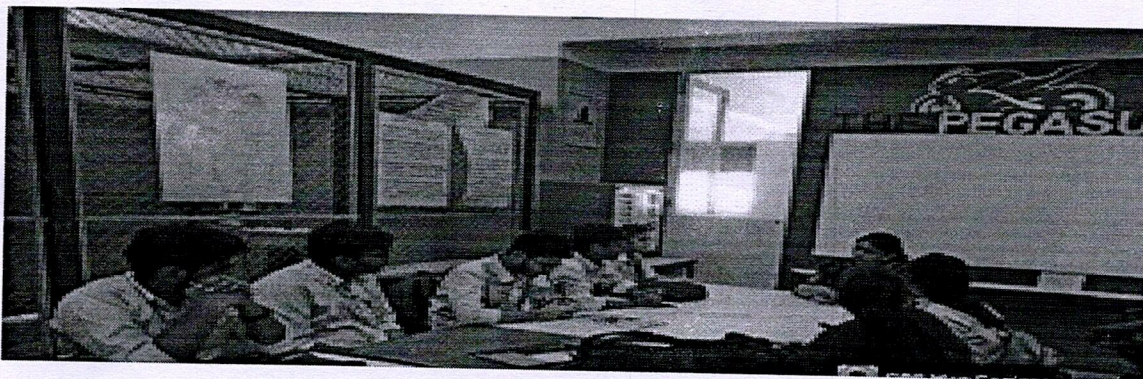
Subject : Computer Aided Design of Electrical Machines

Venue: Electrical Machines lab, Electrical Engineering Department

Activity conducted by: Rutuja Warbhe

Objectives: The objective of this pedagogy activity is to study the construction, working principle, and basic design aspects of a transformer or an induction motor through hands-on experimental learning. This includes calculations related to design, performance parameters, and testing.

Photographs:



Outcome:

Through this experimental learning session, students gained hands-on understanding of the design and working principles of transformers and induction motors. The session emphasized the relationship between theoretical design and practical outcomes. Variations in voltage, speed, and efficiency under different load conditions were observed and analyzed.

Subject Teacher

DAC

H.O.D



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