

Department of Electrical Engineering

Activity: "Innovative Teaching Learning Pedagogy"

Date & Day: 08/1/2025 Wednesday

Activity Name: CO Quest: Map Your Learning Path

Subject: NMCP

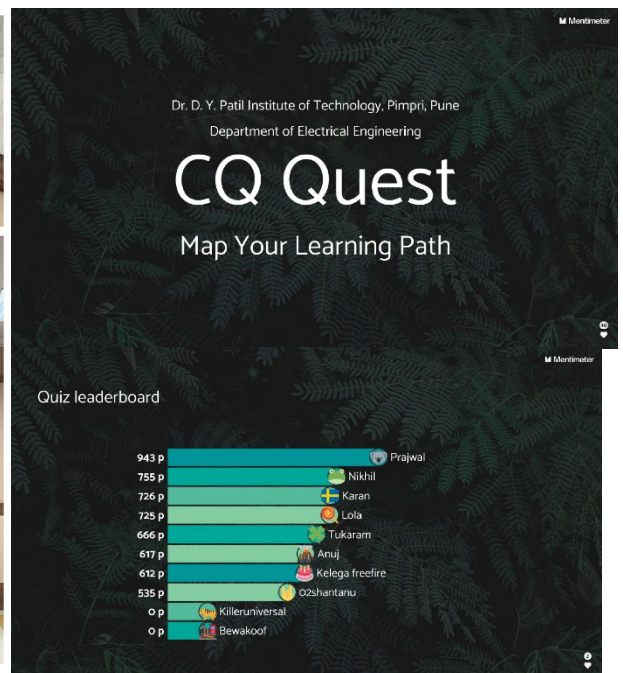
Venue: Classroom

Activity conducted by: Mr. Shashikant Prasad

Objectives:

- To enable students to understand and interpret various numerical problem-solving techniques relevant to the course content.
- To guide students in mapping numerical problems to the appropriate Course Outcomes (COs) based on the underlying concepts and techniques.

Photographs:



Department of Electrical Engineering

Outcome:

- Students will be able to classify numerical problem-solving techniques into appropriate Course Outcomes.
- Students will develop critical thinking and analytical skills by identifying the relevant CO for given numerical problems and justifying their reasoning.

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	3	-	-	-	-	2	2	3	3	2	3

Mapping of POs and PSOs with Justification:

POs and PSOs Mapped	Justification
PO1	Strongly related, as understanding errors is crucial in applying fundamental mathematics
PO2	Strongly as it involves analyzing mathematical equations
PO3	These methods help in designing solutions for practical problems.
PO4	Essential in investigating engineering data through interpolation and differentiation.
PO5	Strong use of modern computational tools.
PO10	Writing and explaining algorithms require communication.
PO11	Programming involves software project management.
PO12	Programming and numerical methods continuously evolve.
PSO1	Understanding errors is essential for accurate modeling and simulation in electrical systems.
PSO2	Numerical methods are useful in optimizing power distribution, renewable energy systems, and smart grids.
PSO3	Essential for network analysis, circuit simulations, and solving electrical system equations.


Course Coordinator


DAC


HOD
