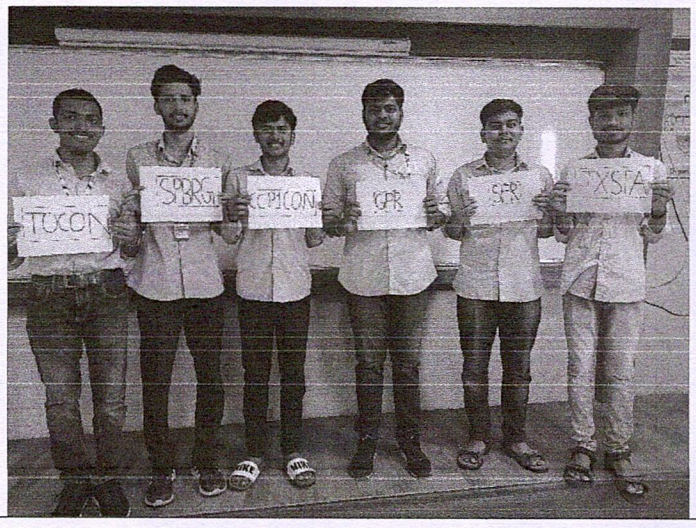
Dr. D. Y. Patil Unitech Society's

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

Department of Electrical Engineering

Activity: "Innovative Teaching Learning Pedagogy"

Date & Day: **Monday, 09/09/2024**
Activity Name: **Role Play**
Subject : **AMES**
Venue: Class Room
Activity conducted by: Ms. Rajashree Bhokare
Objectives: 1. To develop students' verbal and non-verbal communication abilities by engaging them in active discussions and presentations. 2. To help students overcome stage fear and present their ideas assertively in front of peers and faculty.
Photographs: 
Outcome: 1. Students effectively expressed their ideas, both verbally and non-verbally, during the activity. 2. Through contextual roles, students acknowledged the importance of ethics, safety, and societal impact in engineering decisions. 3. The interactive format of role play made learning more engaging and enjoyable for the students.

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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
1	1	1	1	1	1			1	1	1		1	1	

Mapping of POs and PSOs with Justification:

POs and PSOs Mapped	Justification
PO1	Students applied their theoretical understanding of PIC microcontrollers, timers, interrupts, and interfacing.
PO2	Students analyzed technical issues within embedded system scenarios, identifying root causes and proposing fixes.
PO3	Students role-played as design engineers and proposed solutions for real-world embedded system applications.
PO4	Learners, in roles such as testers or system integrators, interpreted problems through debugging discussions.
PO5	Students discussed or referred to tools like MPLAB, Proteus, datasheets, and IDEs, reflecting modern tool usage.
PO6	Role-based scenarios (e.g., smart medical device, safety alarm systems) encouraged reflection on societal impact.
PO9	Students collaborated in groups while respecting individual roles, showing leadership and responsibility.
PO10	The activity improved students' ability to convey technical content clearly and effectively in a group setting.
PO11	Managerial roles within teams addressed budgeting, resource allocation, and time-bound planning aspects.
PSO1	Students demonstrated practical understanding by acting out roles involving system design and programming.
PSO2	Students discussed coding, simulation, and verification aspects, reflecting embedded design process knowledge.

(Rajashree Bhokare)
Course Coordinator

(Dr. Manasi P.Deore)
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