



M.G. M.'s COLLEGE OF ENGINEERING, NANDED

Department of Electronics and Telecommunication Engineering



Electronics Technocrats Association (ETA)

Name of the activity:	Project Based Learning: Demo. of projects by TY ECT students to FY students
Date:	30/05/2025
Activity Coordinator:	Ms. Maithili Rao, Dr. M. R. Banwaskar
Number of participants:	46

Introduction:

The Electronics Technocrats Association (ETA) organized a *Project-Based Learning (PBL) Demonstration* activity wherein Third Year (TY) Electronics and Telecommunication Engineering students showcased their innovative projects to First Year (FY) students. This initiative aimed to introduce freshers to practical applications of electronics concepts and inspire them through peer learning. Projects demonstrated included *Remote Operated Lamp Lighting*, *Scrolling Display*, *Floor Cleaning Robot*, and *Automated Irrigation System*.

Objective:

- To promote experiential and peer-based learning among students.
- To help FY students understand how theoretical concepts are transformed into practical, real-world applications.
- To enhance the presentation and communication skills of TY students.
- To cultivate curiosity and innovation from the early stages of engineering education.

Outcome:

- FY students gained exposure to real-time electronics projects, sparking interest and curiosity in practical learning.
- TY students strengthened their project development, presentation, and teamwork skills.
- The activity bridged the gap between theoretical learning and practical application for junior students.



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Program Outcomes (POs) Addressed:

- **PO3:** Design/Development of solutions – Design systems or components that meet specified needs.
- **PO5:** Modern tool usage – Use appropriate techniques and modern engineering tools.
- **PO9:** Individual and team work – Function effectively as an individual and in teams.
- **PO10:** Communication – Communicate effectively on complex engineering activities.
- **PO12:** Life-long learning – Recognize the need for and ability to engage in lifelong learning.

Feedback:

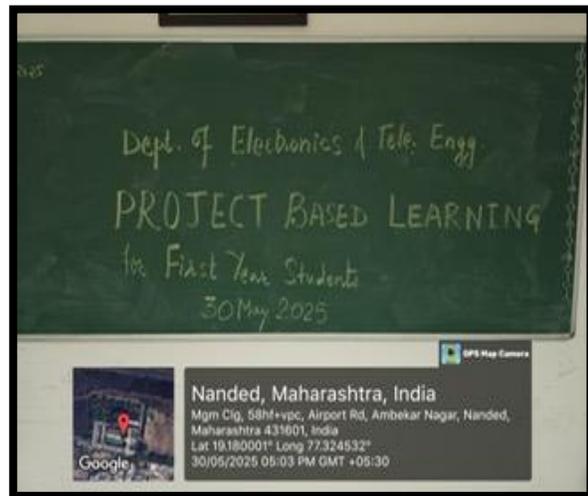
- FY students found the demonstration highly inspiring and informative, giving them a glimpse into their future academic journey.
- TY students appreciated the opportunity to showcase their work and share knowledge with juniors.
- Faculty members observed increased enthusiasm and active participation from both groups.
- Suggestions were made to conduct such demonstrations every semester to keep the learning environment dynamic and engaging.



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Glimpses of PBL Activity:





Maithili Rao
Dr. M. R. Banwaskar
Event Coordinators

Dr. K. P. Paithane
Head of Dept.