Academic Year 2025-26 (Even Semester)

Department of Electronics and Telecommunication Engineering

ACE/EXTC/FR/22/2025-26

DATE: 01/04/2026

Report of Workshop 2025-26

Event Name:	**One day workshop** in collaboration with **IETE Student Forum**, **ACE.**
College/Institute Name:	Atharva College of Engineering
Date and Time:	23 rd March 2026 from 10 am onwards
Venue:	Lab 6, 4th Floor, Phase 1, ACE
Speaker Name and Designation:	Prof. Gauri Vaidya (Assistant Professor ,EXTC) Mr. Abhishek Ramane (BE ELEC, ACE) Mr. Jainam Makadia (BE ELEC, ACE)
Topic of Event:	**PCB Designing tool (Hands-on workshop)**
Mode of conduction:	Offline mode
Coordinators of the Event:	Prof. Shikha Malik, Prof. Ruchi Chauhan
Targeted Audience:	SE and TE Students
No. of Participants:	52
Brief Description of Event:	**Objective of the Event:** 1. To introduce participants to the fundamentals of Printed Circuit Boards (PCBs). 2. To understand different types of PCBs such as single-layer, double-layer, and multi-layer boards. 3. To explain the components and layout of a PCB. 4. To provide hands-on experience with PCB design software tools. 5. To develop skills in schematic design and circuit layout creation. 6. To familiarize participants with the PCB fabrication process. 7. To enhance practical knowledge in electronics hardware development. **Topics Covered in the Event:** The workshop covered the following key topics: 1. Introduction to PCB and its importance in electronic circuits 2. Types of PCBs and their applications 3. Basic electronic components used in PCB design

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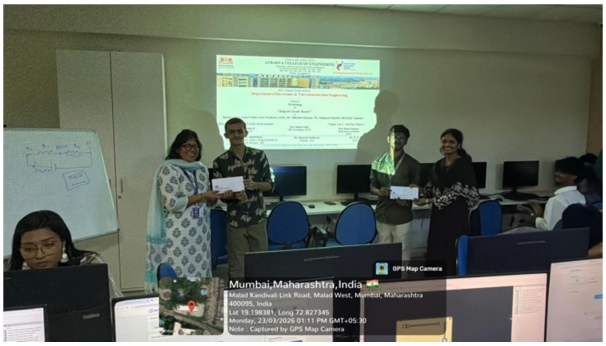
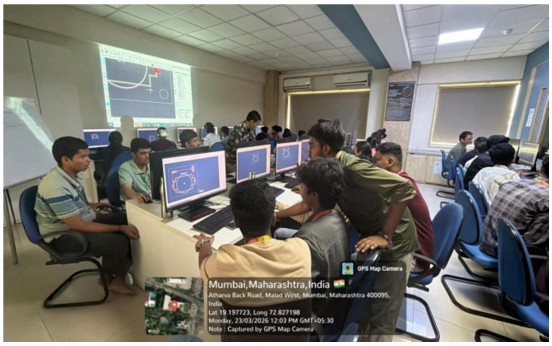
	4. Schematic diagram creation PCB layout design principles 5. Routing techniques and layer management 6. Overview of PCB design software (such as KiCad/Eagle/Altium) 7. Demonstration of PCB design process 8. Introduction to PCB manufacturing and assembly **Outcome of the Event:** • Participants gained a clear understanding of PCB fundamentals and design concepts. • They developed the ability to create basic schematic diagrams using PCB design tools. • Attendees learned how to convert schematics into PCB layouts. • Participants were able to understand routing techniques and design rules. • The workshop enhanced practical skills in electronics design and prototyping. • Students showed increased interest in hardware design and embedded systems. • The session helped bridge theoretical knowledge with real-world applications.

Photographs of the Event:





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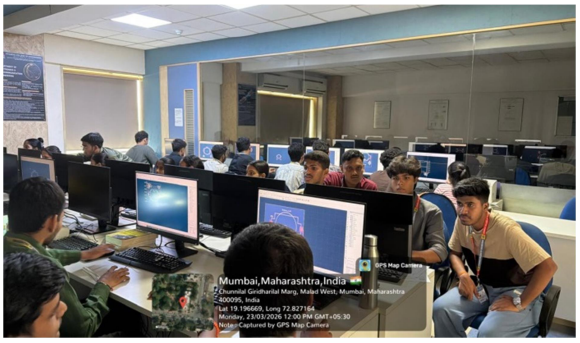

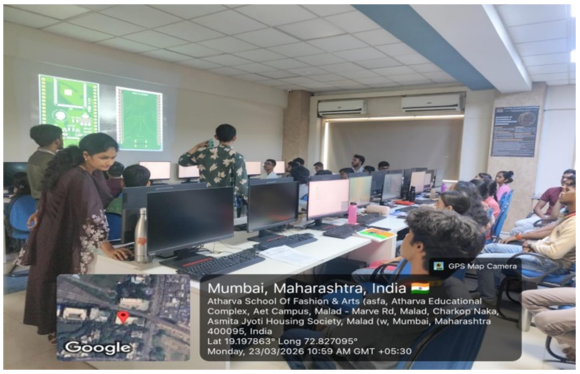

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Prof. Ruchi Chauhan
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