

FORUM MEETING

Forum Meeting Report – PCB Design

Date of Meeting: 05.04.2025

**Venue: SAKTHI POLYTECHNIC COLLEGE, SAKTHI NAGAR
638 315**

**Department: ELECTRONICS AND COMMUNICATION
ENGINEERING**

Time: 9.00AM to 4.30 PM

Faculty Coordinator: SARA VANAN.K

Student Coordinators: AYYANNAN.K

**Resource Person(s)/Speaker(s): ASKAR AZHI/ TRAINER,
Zeekers**

Technology Solutions Private Limited, Coimbatore

1. Objective of the Meeting

To create awareness and enhance students' knowledge about Printed Circuit Board (PCB) design methodologies, software tools, and industry applications, while encouraging hands-on learning and innovation.

2. Agenda

- Welcome address and introduction**
- Fundamentals of PCB design and layout strategies**
- Overview of popular PCB design tools (Eagle, KiCad, Altium Designer)**
- Industry standards, manufacturing considerations, and best practices**
- Live demonstration / hands-on session**
- Q&A and interactive discussion**
- Feedback collection and closing remarks**

3. Participants Summary

Total Participants: 91 students and 7 faculty members

Classes/Departments represented: II & III YEAR ECE

4. Summary of Proceedings

The meeting commenced with a welcome address by the Faculty Coordinator, who introduced the speaker(s) and outlined the session's objectives. The resource person delivered an insightful presentation covering essential PCB design concepts, layout considerations, and real-world applications. A live demonstration showcased the step-by-step process of designing a simple PCB using open-source software, highlighting key design rules and error-checking techniques.

Participants engaged actively during the session, asking questions about component placement, routing strategies, and fabrication constraints. The speaker emphasized the importance of adhering to industry standards (IPC guidelines) and provided tips for optimizing designs for manufacturability and reliability.

5. Key Learning Outcomes & Action Points

- Enhanced understanding of PCB design workflow and best practices**
- Familiarity with at least one PCB design software tool**
- Awareness of manufacturing constraints and industry standards**
- Plan to organize a follow-up hands-on workshop or PCB prototyping session**
- Encouraging students to participate in PCB design competitions and projects**

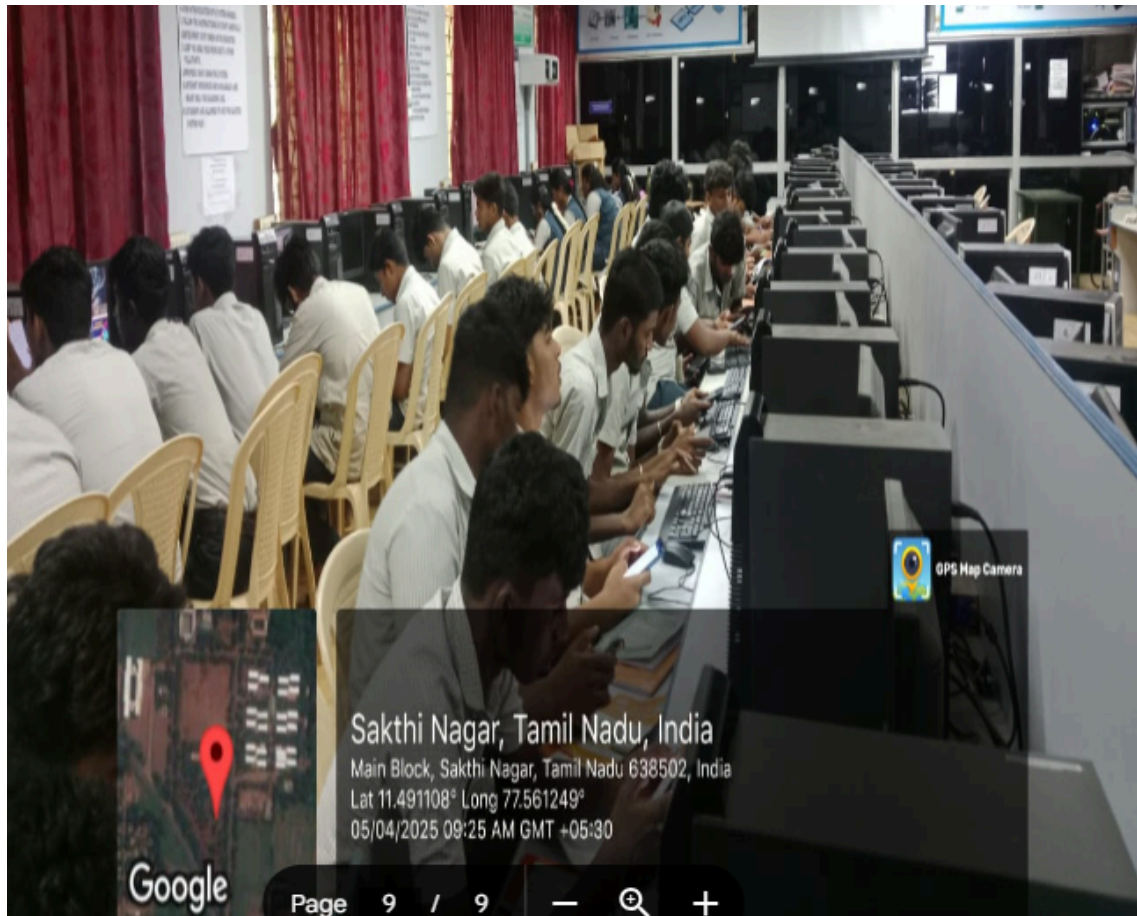
6. Feedback Summary

Overall feedback was highly positive. Participants appreciated the practical insights and live demonstration. Suggestions for improvement included longer hands-on sessions and deeper coverage of advanced routing techniques.

7. Conclusion

The forum meeting on PCB Design was successful in achieving its objectives, providing participants with foundational knowledge and practical exposure. The session fostered enthusiasm for further exploration of PCB design and prototyping among students.

Prepared by: VALARMATHI.A



THANK YOU