

# About SENSE

The School of Electronics Engineering (SENSE) at VIT offers state-of-the-art education in Electronics and Communication Engineering, accredited by ABET. With modern laboratories in areas like robotics, VLSI, embedded systems, sensors, and nanotechnology, along with industry-sponsored research facilities, students gain hands-on experience using advanced simulation and analysis tools. The school fosters global collaboration through MoUs with universities, research organizations, and industries, ensuring opportunities for student and faculty exchange. Many students secure placements in core companies, while faculty actively pursue R&D projects funded by agencies such as DRDO, ISRO, BRNS, and DST.

# About VAC

Our Value Added Program on PCB Design and Fabrication offers a unique, hands-on learning experience for UG, PG students, and Research Scholars to move beyond theory and dive into the complete process of creating professional-grade electronic circuits. You will learn schematic design, component layout, and routing using industry-standard software tools.

The program culminates in the practical fabrication and assembly of your own functional PCB. This essential skill set is invaluable for academic projects, cutting-edge research prototypes, and a competitive career in electronics. Gain the confidence to transform your circuit ideas into physical reality.

Secure your spot to build a critical foundation in modern electronics design and manufacturing. This is your gateway to innovation.

# Key benefits

- Practical, project-based learning with real world applications.
- Mastery of design for manufacturability, reliability, and testability.
- Understanding of PCB fabrication processes, materials, and quality standards
- Techniques for routing, signal integrity, power distribution, and thermal management.
- DFM checks, IPC guidelines, and documentation essentials for PCB fabrication and assembly.

## Convenor

Dr. Jasmine Pemeena Priyadarisini

Professor and Dean, SENSE

## Coordinators

Dr. Elizabeth Rufus

Dr. Sivacoumar R

Dr. Sathya P

School of Electronics Engineering, VIT Vellore.

## For Registration and Payment link

Registration Fee : Rs. 500 (Inclusive of GST)

<https://events.vit.ac.in/>

## Who can attend ?

All UG, PG students and research scholars.

## Contact

Dr. P Sathya, 9790902453

sathyap@vit.ac.in



## School of Electronics Engineering

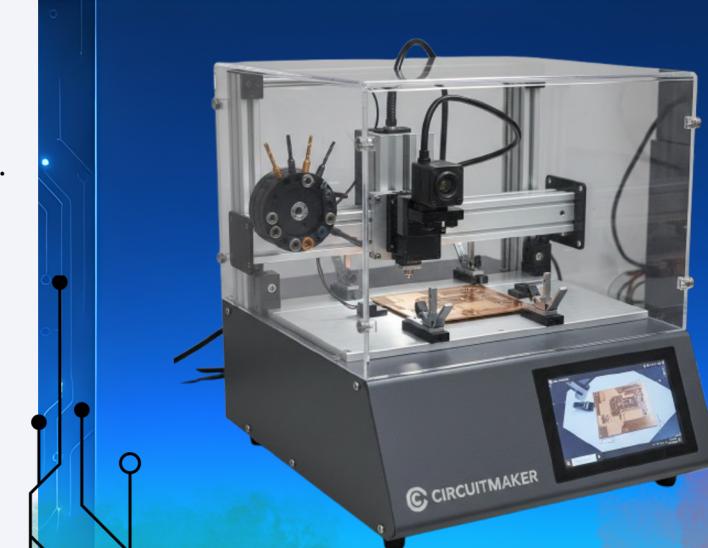
Department of Sensor and Biomedical Technology

Value added course  
on

VACI553

PCB Design and Fabrication

08<sup>th</sup> Feb - 5<sup>th</sup> April 2026



# Schedule

1

Introduction to PCB design and Circuit design

Mr. Ajeet Kumar,

Electrical Designer,  
Lam Research, Bengaluru.

08-02-26 (Sun) - 5 Hours  
10:00 am to 12:00 noon  
02:00 pm to 5:00 pm

4

Single-layer PCB Layout design, Gerber file generation and printing

Mr. S. Harish

Hardware Design Engineer,  
RAPYUTA ROBOTICS PVT LTD, Chennai.

14-03-26(Sat) - 6 Hours  
09:00 am to 12:00 noon  
02:00 to 5:00 pm

2

Design schematic and selection of footprints for the components

Mr. Ajeet Kumar,

Electrical Designer,  
Lam Research, Bengaluru.

21-02-26 (Sat) - 5 Hours  
10:00 am to 12:00 noon  
2:00 pm to 5:00 pm

5

Hands-on experience in PCB fabrication – Chemical etching milling

Mr. S. Harish

Hardware Design Engineer,  
RAPYUTA ROBOTICS PVT LTD, Chennai.

04-04-26 (Sat) - 6 Hours  
09:00 am to 12:00 noon  
2:00 pm to 5:00 pm

3

Single layer PCB Layout design

Mr. S. Harish

Hardware Design Engineer,  
RAPYUTA ROBOTICS PVT LTD, Chennai

22-02-26 (Sun) - 4 Hours  
10:00 am to 12:00 noon,  
02:00 pm to 04.00 pm

6

Hands on experience in PCB fabrication – Automatic milling

Mr. S. Harish

Hardware Design Engineer,  
RAPYUTA ROBOTICS PVT LTD, Chennai.

05-04-26 (Sun) - 3 Hours  
10:00 am to 12:00 noon,  
02:00 pm to 04.00 pm

