



# VIT-TBI

## Vellore Institute of Technology – Technology Business Incubator

(Sponsored by: Department of Science & Technology, New Delhi)  
Vellore Institute of Technology  
Vellore - 632 014, Tamil Nadu, India

## Workshop on PCB Design and Manufacturing

This course provides basic PCB designing concepts and its application through software with practical session. Also, you can print your own design by using the in-house PCB Designing Software and Manufacture in the lab.

### Objectives:

- To gain Step by Step procedure of PCB designing process.
- Get Start by using the PCB designing tools.
- Knowledge creation to Circuit Schematic in PCB CAD.
- Introduced the Simulation - Mechanical Process.
- Understand the Circuit view and complete process flow.
- Practical hands on PCB Boards.
- Print your board by yourself.

### Who can participate?

Academicians, Faculty, Research Scholars, Industry persons and under graduate & Post graduate students.

Course Description	Course Fees	Duration
PCB Design & Manufacturing	Rs. 2500/-	3 Days

Payment : Details available in the Registration Link

Workshop Date : **28/05/2019, 29/05/2019, & 30/05/2019**

Last Date for Registration : **24/05/2019**

- Note:
- Resource people from Industry Expert will be handling the sessions.
  - Course Fee covers training and one sample PCB board.

**VIT-TBI: A great place to build “Technology Enterprises”-<http://www.vittbi.com/#/infrastructure>**

## Workshop Content in Detail:

Day 1	FN	Introduction and Basic theory of PCB Basic Electronic and components information Data Sheets Selection and identification EMI/EMC Production Overview
	AN	Overview about PCB Software's Getting start with Basic Schematic & Circuit designs. Developing various circuit designs Building the board file.
Day 2	FN	PCB Circuit Editing Properties Converting the schematic to Gerber file (Annotation, BOM, DRC, etc...) Practice with different circuits Post process/ Bug clearing the board design for changing the PCB – Production
	AN	Printing the circuit in base paper process PCB manufacturing process introduction Manufacturing/ Fabrication process making (Printing, ironing, board size cutting, etc...)
Day 3	FN	Continue the PCB etching/ fabrication process (manually) PCB check-up and components placements Soldering and de-soldering technique Board power-up activities and testing
	AN	Overall discussion in PCB companies/ industry Certificate distribution Feedback

### Registration:

Registration Link: <https://forms.gle/END876AvzQp62wPN7>

(Or)

Email the below details to: - [rvenkatesan@vit.ac.in](mailto:rvenkatesan@vit.ac.in)

Name:

E-Mail Id:

Mobile No:

College/Institution:

### Coordinated by:

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