

**BHUJBAL KNOWLEDGE CITY**  
**MET's INSTITUTE OF ENGINEERING, NASHIK**  
**DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION**

**“PCB DESIGN & FABRICATION”**

**TWO DAYS SHORT TERM TRAINING PROGRAMME CONDUCTED ON 5 – 6 SEPT., 2024**

Date: 13/09/2024

**STTP CONDUCTION REPORT**

We have conducted a two days Short Term Training Programme (STTP) on “PCB DESIGN & FABRICATION” on 5 – 6 Sept., 2024 under the Continuing Education Cell (CEC) of our department for the students of E&TC Engineering. There were **32 participants** participated in this STTP. The objective of this STTP was to give an exposure to the participants about circuit simulation, designing and fabrication of Printed Circuit Boards (PCBs).

We have conducted this Short Term Training Programme in three different sessions –

- 1. Expert session** – This session was conducted by our Resource Faculty **Prof. Rajesh Rehpade**. It consists of the basic information about PCBs, design rules for Digital circuits, Analog & Mixed signal circuits, High frequency circuits and Power Electronic circuits. Also elaborated guidelines for routing of conductors and electrical design considerations for layout in this session.
- 2. Software Training session** – This session was conducted by our Resource Faculty **Prof. Pankaj Patil**. It consists of the circuit simulation, PCB layout designing with ExpressPCB software. Every participant has the hands on experience of circuit simulation and PCB layout designing in this session.
- 3. Hardware session** – This session was conducted by Course Coordinator & Resource Faculty **Mr. Shekhar Shinde**. It consists of various stages of PCB fabrication. Explained the chemical requirement for PCB fabrication in the laboratory and demonstrated the step by step procedure and participants have the hands on experience of PCB fabrication.

After PCB fabrication, participants have carried out the PCB drilling, component mounting and PCB testing process under the guidance and supervision of Course Co-coordinators **Mr. Vilas Tile, Mrs. Sandhya Shahir and Mr. Rohan Magaji**.

We have provided the fabricated PCBs with all necessary components to the participants for further practice purpose and also given the freeware PCB designing software.

Valedictory function was carried out at the end of STTP in which we have distributed a Certificate of Participation to all the participants and feedback was also collected from the participants. Some participants have expressed their views about conduction of this STTP and also given important suggestions. Certificates were also distributed to the organizing team members of E&TC engineering department. HOD (E&TC) **Dr. V.J.Gond** expressed his views regarding this STTP and motivated participants to participate in such workshops in future too. The program was concluded with the vote of thanks by Course Coordinator **Mr. Shekhar Shinde**.

We have got the valuable guidance and support from our Principal **Dr. V.P.Wani** and HOD **Dr. V.J.Gond** and also from all the staff members of our department during the conduction of this programme.

**Mr. Shekhar Shinde**  
Course Coordinator  
Department of E&TC Engineering  
MET's Institute of Engineering, Nashik



## **PCB DESIGN & FABRICATION**

A Two Day  
Short Term Training Programme

**5 - 6 September, 2024**

Organized by:  
**Continuing Education Cell (CEC)**  
Department of E&TC Engineering,  
MET's Institute of Engineering,  
Bhujbal Knowledge City,  
Adgaon, Nashik - 422 005.

Tel.: (0253) 2303515 | 2303203  
[www.metbhujbalknowledgecity.ac.in](http://www.metbhujbalknowledgecity.ac.in)

### **ADVISOR:**

Dr. V.P.Wani  
Principal, MET's Institute of Engg.

### **CONVENER:**

Dr. V.J.Gond  
HOD (E&TC Engg.)

### **COURSE COORDINATOR:**

Shekhar Shinde (M-9822425220)

### **CO-COORDINATORS:**

Vilas Tile  
Sandhya Shahir  
Rohan Magaji

### **RESOURCE FACULTY:**

Prof. Rajesh Rehpade  
(Prof., Dept. of E&TC Engg)  
Pankaj Patil  
(Asso. Prof., Dept. of E&TC)  
Shekhar Shinde  
(Foreman, Dept. of E&TC Engg.)

### **COURSE CONTENT:**

Introduction to PCB and its types  
Concept of PCB Designing  
Creation of PCB layout  
Auto Routing concept  
Printing Techniques  
PCB Fabrication  
Etching Process  
Drilling Process  
Soldering etc.

### **COURSE FEE:**

Rs.100/- only (per participant)  
(It includes PCB, Components,  
Certificate, Tea & snacks for 2 days)

### **COURSE BENEFITS:**

Good understanding of PCBs, its types  
and designing rules.  
Exposure to the latest technology with  
advanced equipments.  
Hands on experience of PCB layout  
designing & fabrication.  
Certificates will be issued to every  
participant on successful completion of  
the programme.

### **Registration Form:**

<https://forms.gle/CgCcy4pFhsbJ6pJh8>

**Last date of Registration: 2 Sept 2024**

PhonePe G Pay 9822425220





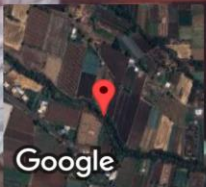
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GPS Map Camera



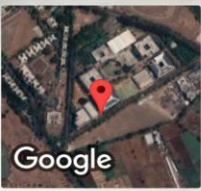
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Long 73.855322°  
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GPS Map Camera



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