



PCB Designing & Fabrication

Session : 1 Introduction

- Introduction to different PCB technologies
- Familiarization with through hole components
- Familiarization with SMD components
- Reading, calculating values of different components
- Introduction to terminology used in PCB designing

Session : 2 Schematic Making

- Understanding schematics and symbols
- Searching components footprints and symbols
- Choosing of right components
- Schematic drawing
- Editing symbol libraries
- Running ERC

Session :3 Board creation

- Auto-routing v/s manual routing
- Component placing
- Understanding layers on PCB
- Practice via manual routing on numerous PCBs
- Design verification
- Editing of package libraries
- Designing of double sided PCBs

Session : 4 Report Generation

- Gerber ,net list, BOM, drill legend generation
- Printing different layers of PCB
- Practice on EAGLE 3D

Session : 5 Fabrication

- Introduction to PCB printing technology
- Printing of design on copper clad
- Proper etching process
- Drilling of PCB

Session : 6 Soldering

- Component soldering on PCB

Duration

Duration: 7 Days

Benefits

10% discount on any RoboZZ Lab's product

Group discount of 10% on a batch of 10 students and above.