

PCB DESIGN

Course Name : PCB DESIGN

Certification : By UVSoftsTechnologies Pvt. Ltd.

Introduction:-

Theory:-

- Introduction to PCB.
 - What is PCB?
 - Why we used PCB?
 - ADVANTAGE OF PCB?

Theory:-

- PCB & Analog Circuit Designing
- Basic of Hardware & Software

Theory:-

- New & Upcoming Technologies
- PCB Designing Software ?
- What is a trace?

Theory & Practical:-

- Printing
- Materials

Theory & Practical:-

- Power handling
- Photo plotting

Theory:-

- Etching
- What is etching?
- What the method used in etching?
- What the solution used in etching?

Theory & Practical:-

- Holes /Drilling

Theory & Practical:-

- Soldering Techniques
- Different Methods of Soldering
- How to solder different components

Theory & Practical:-

- PCB Designing
 - Making circuit on PCB Design Software
 - Deploying basic circuits from paper to schematic window
 - Testing the schematic for errors
 - Making Board Layout
 - Checking for errors and finalizing layout
 - Etching process
 - Drilling and Soldering methods of PCB

Theory & Practical:-

- Testing
 - Testing and troubleshooting once your PCB is ready.
 - Various trouble shooting techniques.

Theory & Practical:-

- Introduction of Bread Board.
 - What the method used to make a circuit on bread board.

Practical:-

- Making a 5volt dc power supply circuit on bread board.

Practical:-

- Design a 5volt power supply circuit on pcb .