Workshop Content on PCB design

Objective: Knowledge about the PCB and how to design your own PCB chip and embedded components by soldering and printing.

DAY 1

Session 1

Introduction on PCB with a brief history .
Components identification.
Understanding PCB design flow chart.
Preparing schematics.

Session 2

Introduction to PCB layout.
Components datasheet and foot prints creation.
Starting PCB design.
Mechanical layer and mounting.
Routing and editing
Final o/p generation on butter paper.

DAY 2

Session 3

- Mini projects by students.
- Power supply.
- Multivibrator.
- BCD to decimal converter.
- And many more.

Session 4

- PCB fabrication on artwork designed by students.
- Sheet cutting .
- Screen printing.
- Etching.

- Drilling.
- Masking.

Session 5:

- Competition
- Prize Distribution