

Course Content

Session : 1 Introduction

- + Course introduction
- + What is electronics?
- + Why it is important?
- + What is electric current & voltage?
- + Introduction to electronic components

Session : 2 Circuit Making and Testing

- + What is breadboard how it works?
- + Making power supply circuit on breadboard
- + Making 555 IC circuit on breadboard
- + Making infrared circuit on breadboard
- + Testing and troubleshooting

Session : 3 PCB Designing on Software

- + Introduction to PCB technologies
- + Types of PCB's used in industries
- + Setup and familiarization with software
- + Schematic drawing
- + Board layout making

Session : 4 PCB Fabrication Hardware

- + How to set size & take a print
- + What is etching process?
- + How to drill in pcb?
- + Tinning, component placing, soldering
- + Testing and troubleshooting

Session : 5 Microcontroller Introduction

- + What is a microcontroller?
- + Introduction to compiler and IDE
- + Introduction to embedded C
- + Application of embedded system
- + How to burn program in microcontroller?

Note : 2 Days extra doubt clearing Session
Advance Project Demonstration