Basic Electronics

1. Introduction to 15 Electronic Components
2. Using Bread Board
3. Make 2 mini projects on Bread Board
4. Introduction to Soldering
5. Make 1 mini projects and 1 Module on PCB with Soldering

PCB Designing

1. Working on Eagle Win
2. Creating PCB Layout
3. Make 2 mini projects on Eagle Win
4. PCB Etching Process
5. Make 1 Mini project or 1 module with PCB Etching

8051 Programming:

1. Pin Diagram and ports of 8051
2. AVR Programmer for 8051 program uploading
3. Introduction to Keil Software
4. Interfacing 5 modules with 8051
5. Making 2 projects using 8051

Arduino Uno Programming

1. Pin Diagram and ports of ATMega328/Arduino
2. Using Arduino IDE for uploading programs to Arduino
3. Interfacing 8 modules with Arduino
4. Making 2 projects using Arduino

Robotics:

1. Making different Chassis basics
2. Using 3 basic Modules required for Robotics
3. Make 3 Robots using Arduino board