

1 IoT Training Level-1 (Microcontrollers and Sensors)



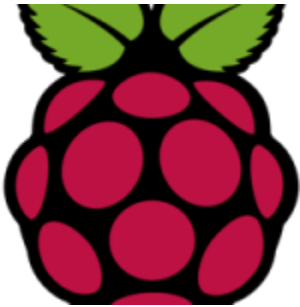
- Understanding and practically using basic electronic components.
- Designing and realizing simple and complex embedded systems
- Interfacing different kind of sensors with microcontrollers
- Controlling and interfacing Integrated Circuits with microcontrollers
- Programming using Embedded C

2 IoT Training Level-2 (IoT using Arduino)



- Using Ethernet module to access internet
- Interfacing and controlling GSM modem with microcontroller
- Implementing IoT systems using Arduino
- Using third party IoT Libraries and Platforms
- M2M communication over LAN
- M2M communication over internet

3 IoT Training Level- 3 (Raspberry Pi)



- Understanding the concept of SOCs and Embedded OS
- Basics of Embedded Linux and Python
- Integrating Electronic modules with Raspberry Pi
- Integrating web services with your program
- Understanding and implementing IoT protocols – MQTT, CoAP

4 IoT Training Level- 4 (Wireless Technologies)



- Bluetooth (In Depth)
- ZigBee
- Wifi Module
- Accessing internet through GSM
- ESP 8266

5 IoT Training Level- 5 (Android App Development)



- Core Java
- Implementing Simple Android Apps
- Integrating Web services with Android Apps
- Interfacing Database
- Controlling the phone hardware and sensors

6 IoT Training Level- 6 (MEAN Stack)



- Mongo DB- biG Data
- Client side instances
- Server Side Applications
- Platform independent apps

7 IoT Training Level- 7 (BIG DATA)



- Core Java
- Implementing Simple Android Apps
- Integrating Web services with Android Apps
- Interfacing Database
- Controlling the phone hardware and sensors

8 IoT Training Level- 8 (Data Analysis)



- Core Java
- Implementing Simple Android Apps
- Integrating Web services with Android Apps
- Interfacing Database
- Controlling the phone hardware and sensors