

Training and Certification

Enhance your knowledge and experience. Presented by experts

4. Internet of Things (IoT) Training - 3 Day Technical Training



The Internet of Things, or IoT, is a system of interrelated computing devices, mechanical and digital machines, objects, animals or people that are provided with unique identifiers (UIDs) and the ability to transfer data over a network without requiring human-to-human or human-to-computer interaction.

Internet of Things Training will give you a better understanding of Internet of Things principles and practices and help you to perform better on Internet of Things System designs.

Delivered by Internet of Things experts

Our technical training course is delivered by IT engineers whom are experienced experts in Internet of Things as well as being excellent facilitators.

A choice of delivery option is available to suit your particular needs.

Course Outline

Day One: Introduction Of Internet of Things (IoT) System

1. Introduction of Internet of Things (IoT) system.
2. Internet of Things (IoT) System overview
3. Introduction to Internet of Things (IoT) using Arduino
4. Internet of Things (IoT) Hardware (Sensor, System devices and components)

Day Two : Smart Home and Sensor IOT Application Using Arduino

1. Installing the Arduino Software
2. How to Operate on Device Bit Platform
3. How to Operate Device Bit Web App on Mobile Phone
4. How to Use Flame Sensor
5. How to use Digital Temperature Sensor DS18B20
6. How to Use Raindrop Analyser
7. How to Use Vibration Switch
8. How to Use Active Buzzer
9. How to Use Photoresistor Module
10. How to Use Humiture Sensor DHT11 module
11. How to Use MQ-2 Gas Sensor
12. How to Use PIR
13. How to Use Gas Pressure Sensor BMP280
14. How to Use RFID Module
15. How to Use Transceiver

Day Three: Introduction of Industrial Internet of Things (IoT)

1. Hardware Introduction of industrial Internet of Things
2. Hardware Setup of Industrial Internet of Things
3. Gateway Configuration
4. Sensor Management Application
5. Learn how to get the light sensor data remotely.
6. Learn how to get the switch data remotely
7. Learn how to get the analogue data remotely.
8. Learn how to set the output signal to control the siren remotely
9. Learn how to set the Digital output Module signal to control the light remotely

Delivery Options

We've delivered Internet of Things Training (IoT) technical training courses to hundreds of users and there are several delivery options.

- 3 days course at our Penang Malaysia Office
- Online Course via Skype