**IOT (INTERNET OF THINGS)**



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**Course Objective**

* Understand the principles of IoT, including IoT components and communication techniques
* Learn how to use Arduino communication modules that can be used for different IoT systems
* Learn how to use and program a mobile app to control Arduino
* Use a WiFi module to connect the Arduino to another device
* Build and deploy their own IoT Sensor System

**Target Audience**

* Hobbyists
* Hardware/software engineers and technicians
* Technical persons in all industries
* Beginner developers

**Course Outline**

* Introduction to IoT
* Understanding IoT Fundamentals
* Examples of IoT Devices and Platforms
* Overview of IoT Components
* Analog Sensors
* Digital Sensors
* Overview of IoT Communication Techniques
* WiFi
* Bluetooth
* RFID
* Mobile Internet
* Arduino Refresher
* Arduino Communication Modules
* Bluetooth Modules
* WiFi Modules
* RFID Modules
* I2C and SPI
* Using a Mobile App for Arduino IoT
* Overview of Blynk Mobile App for IoT
* Installing Blynk
* Interfacing Arduino and Blynk via USB
* LED Blinking
* Controlling a Servomotor
* ESP8266 WiFi Serial Module
* Overview
* Setting Up the Hardware
* Interfacing with Arduino
* Programming with Arduino
* Creating an IoT Temperature and Humidity Sensor System
* Overview of DHT-22 Sensor
* Interfacing the Hardware: Arduino, ESP8266 WiFi Module, and DHT-22 Sensor
* Checking Your Data via ThingSpeak
* Connecting Your Arduino Set-up to Blynk via WiFi
* **The Feature Of Asia Master Training And Development Center**
* we pick up the customer from the airport to the hotel.
* we give the participant training bag includes all the necessary tools for the course.
* Working within groups to achieve the best results.
* All our courses are confirmed and we do not postpone or cancel the courses regardless of the number of participants in the course.
* We can assist you in booking hotels at discounted prices if you wish to book through us.
* We offer the certificate from Asia Masters Center for Training and Administrative Development.

The Cost Of The Training Program Includes The Following:

1. Scientific article on flash memory.
2. Training Room.
3. Training.
4. Coffee break.
5. The training bag includes all the tools for the course.

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| Price (USD) |
| Communicate with the training department  to know the participation fees   * There are offers and discounts for groups |
| The details of the bank account |
| Bank name: CIMB Bank Berhad  Account name: Asia Masters Center SDN. BHD  Bank account number: 80-0733590-5  Swift code: CIBBMYKL  IBAN: Null |