

INTERNET OF THINGS(IOT) :

The need for IOT (Internet of Things) becomes more and more pronounced over the past few years. [MAA Trainings](http://www.maatrainings.com) offers unique edge academic program to fulfill demands and train further generation .

INTERNET OF THINGS COURSE CONTENT

- >> **Introducing IoT**
- >> **elements of IoT**
- >> **Real World IoT Applications**
- >> **IoT-Architecture**
- >> **Elements of IoT Architecture Sensors**
- >> **Actuators**
- >> **Gateway**
- >> **IoT Platforms and Analytics**
- >> **Hands on with Arduino and Raspberry pi**
- >> **Arduino-pinouts**
- >> **Programming**
- >> **Interfacing sensors and actuators.**
- >> **Raspberry pi-Embedded Linux**
- >> **Installing Packages**
- >> **Connecting to Cloud**
- >> **Communication Protocols**
- >> **Local communication-ZigBee**
- >> **Modbus**
- >> **Bluetooth**
- >> **Z-wave.**
- >> **Wide area communication protocols-Cellular**
- >> **sigfox**
- >> **satellite.**

- >> Novel communication protocols-MQTT
- >> CoAP
- >> XMPP
- >> Use Case Specific Implementations
- >> Smart Home
- >> i-beacons
- >> Smart Energy
- >> Industrial Internet
- >> Hackathon