

TRAINING ON IOT : FUNDAMENTAL AND ITS IMPLEMENTATION

PROGRAMME OVERVIEW

The Internet of Things (IoT) is an intelligent interactivity between human and things to exchange information and knowledge for new value creation. With IoT, we can receive more data, we can control stuff, make things automated, make work faster and easy. Radio Frequency Identification (RFID) is a system that transmits the identity in form of unique serial number of an object or person wirelessly using radio waves. The adoption of RFID is spurring innovation and the development of the IoT. It is now transitioning itself into a supporting player by becoming an essential part of the IoT. Both of them are widely used to improve operational efficiency in business transactions, inventory and record history.

This course introduces the overview of IoT Technology, implementation and its application. Participants are exposed to SIRIM's involvement and experience in IoT deployment in various area and are given the opportunity to develop their own IoT applications.

LEARNING OUTPUT

- To create awareness and promote implementation of IoT Technology in various fields.
- To share experience in IoT Technology deployment and how it can improve productivity.
- To develop understanding in common problems and issues pertaining IoT Technology deployment.
- Upon completion, candidates will be able to understand the fundamental of IoT and build a simple device themselves.

COURSE CONTENT

- Introduction to IoT
 - ✓ REST API
 - ✓ Message Queuing Telemetry Transport Protocol (MQTT)
 - ✓ ESP8266 WiFi Module
- IOT Development tool hardware and software.
- Data Acquisition and Monitoring
- Handling Actuator Request
- IoT application and development
- IoT Project : Plan your project

WHO SHOULD ATTEND?

The person should have a technical or scientific background in the area of IT/ Electronics such as engineers, technical executive and technicians and also those who are interested to deepen their knowledge about the subject.



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