

IoT Hands-On WORKSHOP

LoRaWAN Node & Gateway

What you will learn:

- + Focus on LoRaWAN Node in Internet Of Things (IoT) environment.
- + It leverages and explores the infrastructure required, communication, sensor integration, connectivity, data representation and security aspects.
- + Focus on LoRaWAN Gateway creation.

At the end of the course:

- + Participants will have a good understanding of the LoRaWAN in IoT.
- + Understand LoRaWAN node and gateway implementation.
- + Understand various backend services line-ups.
- + Understand LoRaWAN Server concept and usage.
- + Able to design own Node connected to Cloud Services.
- + Able to design LoRaWAN interconnection.

Course Modules:

- Module 1: Introduction to LoRaWAN
- Module 2: LoRaWAN node with Arduino
- Module 3: BackEnd services line-ups
- Module 4: Data representation techniques
- Module 5: Introduction to LoRaWAN Gateway
- Module 6: Single Channel LoRaWAN Packet Forwarder
- Module 7: Multi-Channel LoRaWAN Gateway
- Module 8: LoRaWAN Server

HARDWARE INCLUDED

LoRaWAN Node

Contents:

- 1 x Arduino UNO
- 1 x LoRa Shield
- 1 x LiPo Rechargeable Shield
- 1 x 1300mAH LiPo Rechargeable battery

LoRaWAN Gateway

Contents:

- 1 x LoRa GPS Hat
- 1 x Antenna
- 1 x Raspberry Pi 3
- 1 x Power adapter 5V 3A

Optional:

- Hardware Kit 1
- Price: RM1,999

Contents:

- 1 x Raspbian Installed SDCard
- 1 x Multi-Channel Gateway Module and its adapter
- 1 x Antenna

RM 2,699
/person

2 DAY COURSE

Contact us :

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