

IoT Sensor Do-It-Yourself (DIY) Experience Workshop

This module aims to build a IoT sensor using the popular ESP8266 component – through controlling input and output and connect to the Internet to submit sensed data.

Objectives

To understand:

- how to setup the Python environment
- the basics in Python programming
- the development environment
- how to make use of Python to build networked programs
- how to make client-server applications using sockets
- how to interact with the database

Course Outline

- Introduction
- Software Installation
- Variables and Data Types
- Operator
- Python Functions
- Web Programming
- Chatbot
- Database

Target Audience

- IT Managers
- System Analysts
- Software Architects
- Software Developers
- IoT Hardware Developers
- Business Analyst
- Data Analysts
- Data Scientists

Prerequisites

It is highly recommended that participants possess basic programming knowledge (in any languages)

Medium of Instruction

Cantonese, and supplemented with English for technical terms

Course information

Course Code : IS13C/HK-11A Venue: HKQAA
Date : 7th November 2019 19/F., K. Wah Centre, 191
Time : 9:30am – 5:30pm Java Road, North Point,
Fee : \$2,800 Hong Kong



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