

Course Code: **M727**

# Creating Smart Solutions with IoT and Microcontroller Coding

**Funding Available:** HRDF

## COURSE INFORMATION

**Sessions**  
2 days**Duration**  
15 hrs**Level**  
Beginner**Assessment**  
NA

### VENUE

**Kuala Lumpur:** G-3A-02, Suite Pejabat Korporat, KL Gateway, No 2, Jalan kerinchi, Gerbang kernichi Lestari, 59200 Kuala Lumpur, Malaysia**Penang:** Jalan Sungai Dua, 11700 Penang, Malaysia.

## WHAT'S THIS COURSE ABOUT

**Topic 1: Overview of IoT Technologies**

Key concepts on IoT

Devices used in IoT

IoT communication standards

IoT applications

**Topic 2: Microcontroller Programming for IoT**

Setup equipment and programming environment

Establish MQTT communication protocol with the cloud server

**Topic 3: Sensor data collection and monitoring**

Collect sensor data for process control

Setup IoT cloud dashboard to monitor process

**Topic 4: Manage Data and Triggers**

Trigger actions to control process

IoT security

## COURSE FEE

Full Fee RM 2,000.00

## CERTIFICATION

- **Certificate of Completion from Tertiary Courses** - Upon meeting at least 75% attendance and passing the assessment(s), participants will receive a Certificate of Completion from Tertiary Courses.

## REGISTRATION

<https://www.tertiarycourses.com.my/creating-smart-solutions-with-iot-and-microcontroller-coding.html>



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## SUPPORT

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