



## IOT Technology in Automotive for Quality Control in Manufacturing Process

### Learning Outcomes

- Provide participants with overview of IIoT ecosystem and identify components in the IoT environment
- Practical use case of IoT application and adapting IoT technology into real life problem solving

### Virtual instrumentation Based Data Acquisition Training

IOT Training Kit will be used as a teaching Kit in this program.

Portable IOT Device equipped with sensors and can be act as a smart connected products or as an industrial controller (PLC) . This device will be used during training IoT.

### Training Program

#### Introduction Training (4 Days) covers:

- Introduction to IoT ecosystem and applications
  - Basic overview of IoT evolution
  - IoT basic frameworks; hardware, firmware, connectivity, storage, visualization, analytics
  - Application of IoT in Automotive manufacturing quality control
- Basic IoT Setup using Arduino/raspberry Pi compatible board
  - Overview of IoT development kit features and functionalities
  - Circuit construction for basic IoT demo applications
  - Programming firmware and configuration for data transmission
- Basic IoT Platform for Data Visualization
  - Receive and store IoT data
  - Build dashboard for data visualization
  - Quality Control Record and Monitoring
- Mini Project and Presentation

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Fee per pax : RM 2,830 (HRDF Claimable)

Limited to 10 participants

Certification will be provided

Training Provider: PD Solutions Sdn Bhd

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