# INNOVATION SERIES :
## ARDUINO PROGRAMMING & IoT APPLICATION (FULL COURSE)

**DURATION : 3 Days**
9:00am - 6:00pm

## Description :

This course is intended for enthusiastic students or hobbyists. With Arduino, one can get to know the basics of micro-controllers and sensors very quickly and can start building prototype with very little investment. This course is intended to make you comfortable in getting started with Arduino.

ARDUINO™

## Who Should Attend?

- Lecturers / Academician involved in Science, Technology, Engineering and Mathematics (STEM) education.
- Research in the field of STEM.

*Participant are advised to have basic computer and electronic skills.

## Training Includes :

1. **Product Overview**
   + Method of Coding
   + Structure of Coding
   + Serial Monitoring
2. **Basic Programming**
   + Analog Serial Read & Write
   + Digital Serial Read & Write
   + Time Delay Function
3. **Practical Programming**
   + Interfacing and Controlling Servo
   + Communication protocols
4. **ScicosLab/Scicos familiarization**
   + Familiarization with ScicoLab
   + Building Blocks Diagram for Simulation
5. **Build Simple Models**
   + Digital IO
   + PC & Target Communication
   + PWM Pins
6. **Application Examples**
   + System Identification for RC Circuit
   + Servo Motor Control

**HRD CORP Claimable :**

HRD CORP CLAIMABLE

**15 CPD Hour By :**

MBOT — LEMBAGA TEKNOLOGIS MALAYSIA / MALAYSIA BOARD OF TECHNOLOGY

## VENUE :
Technology Hub (T-Hub),
C-G-5, UPM-MTDC Technology Centre III

Payment Details :
TechCapital Resources Sdn Bhd
Maybank Berhad (562834641995)

For registration please contact or email us at :

**training@t-robot.my**

**TR T-ROBOT**
MSC Status Company

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