

# **XPRESS ARDUINO TRAINING**

**9am to 1pm**

**Venue: IrfanMG Consultants (IMGCC) Training Centre, Cheras, Selangor.**

**Mechatronics Specialist Trainer:  
Mr Irfan Md Ghazaly**

**Registration Fee:  
RM 390**

- **We accept Credit Card payment**
- **Group registration (3 or more pax) : 10%**

**Register at: [www.irfanmgconsultant.com/xpressarduino](http://www.irfanmgconsultant.com/xpressarduino)**

- ✓ **In JUST 4 HOURS! Learn from basic to intermediate Arduino programming**
- ✓ **Free Components (Sensors, Actuators and Arduino Microcontroller Board)!**
- ✓ **Direct consultation with specialist mechatronics/Arduino trainer**
- ✓ **Highly valuable for career in automation, instrumentation & robotics**
- ✓ **Certificate provided after training completion, BEM 4 CPD hours (Self-Claim)**
- ✓ **Refreshments provided**

Contact us at 012-5355051



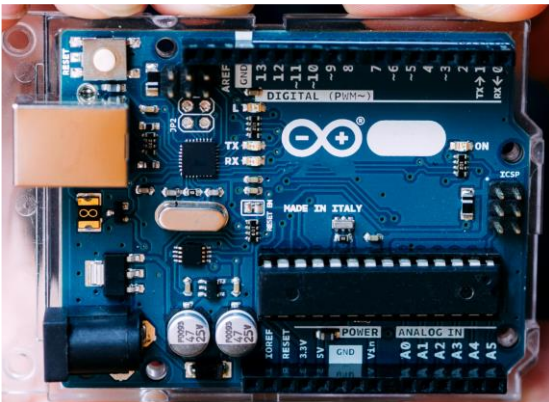
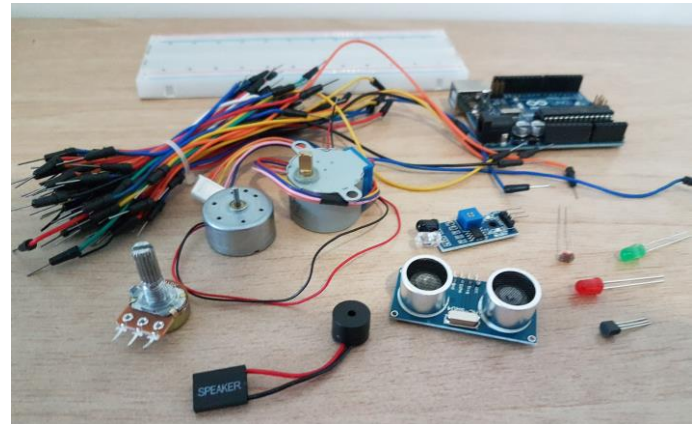
irfanmgconsultant

## Why Join the Xpress Arduino Training by IMGCC?



**1) Mechatronics system is used in our daily lives: example in modern car and air-conditioning system. They are also used to implement robotic manipulators in factories and precision industries. Mechatronics system are used to implement automation systems in production lines.**

**2) Arduino UNO board control unit, various sensors, actuators, wires and breadboard are supplied to participants for take-home projects. You can start you own projects IMMEDIATELY!! after the training!**



**3) Understanding of mechatronic system using Arduino can also carry forward to understanding of application for other mechatronic system using other types of controller such as Programmable Logic Controller (PLC), Raspberry Pi, NodeMCU or even Digital Signal Processor (DSP) board as controller and data acquisition system.**

## **XPRESS ARDUINO TRAINING (HALF-DAY TRAINING)**

Register at: [www.irfanmgconsultant.com/xpressarduino](http://www.irfanmgconsultant.com/xpressarduino)

### **Training Outcomes:**

- Participants will be able to **assemble practical Arduino system** with sensors, actuators and Arduino Uno as control unit in very short time
- Participants will be **able to code using Arduino programming** language and code their mechatronic system to function as per project requirements
- Participant will know **how to use and connect sensors** (potentiometer, light resistance sensor, proximity IR sensor, ultrasonic sensor) as well as **implement and control actuators** (DC motor, servomotor) in their mechatronic system.
- Participants will be able to **design and build their own working mechatronic system.**

### **Trainer Profile – Mr Irfan Md Ghazaly:**

Mr Irfan graduated from Hanyang University, South Korea for his Bachelors Degree, and graduated from National University of Malaysia (UKM) for his Masters degree. He is involved in the research of decoupled electric turbocharger with University College London (UCL), United Kingdom. He is active in conducting training for the industry as a HRDC certified trainer, as well as involved in design consultation projects with the industry. He specializes in turbomachinery design, simulation (CFD and FEA), and mechatronic system design. He have experience working in the leading turbomachinery design company, Advanced Design Technology in London, United Kingdom as a turbomachinery design engineer. Currently he is the main specialist trainer for turbomachinery specialist training, CFD/FEA simulation specialist training, and mechatronics/robotics specialist training organized under the specialist consultancy and training company, IrfanMG Consultants (IMGC) which is a HRDC training provider. He also has taught advanced engineering courses such as turbomachinery, FEA/CFD simulation, vibration, mechatronics and robotics in National Defence University of Malaysia (UPNM), Manipal International University, Taylor's University and University of Nottingham Malaysia.