

MRL TRAINING WORKSHOP Microcontroller Programming Professional Level



Time: 9.00 am - 5.00 pm (2 Days)

MRL Engineering Offis Melaka

Overview

The course is intended to let the personnel from the research institutes and industry to obtain a professional level of embedded system programming.

Upon successful completion of the courses, the participants will have understanding and skills required for Embedded Programming.

During the hands on session, participants will have opportunities to put their theoretical knowledge into practical, and general knowledge about the software's developed by MRL Engineering in embedded system programming.

Learning Outcomes

- ✔ Embedded Programming
- ✔ Constructs for embedded systems
- ✔ Modular programming
- ✔ Interfacing peripherals
- ✔ Debugging and troubleshooting
- ✔ Application development and interfacing with micro-controller

Who Should Attend?

- ✔ Anyone wanting to enter the burgeoning field of embedded systems
- ✔ Programmers who want to learn programming of embedded systems
- ✔ Students Who want to enhance their knowledge in embedded system
- ✔ Anyone already working in the field who wants to keep up with this rapidly changing industry

Administrative Detail

Time : 9.00 a.m – 5.00 p.m (2 Days)

Venue : MRL Engineering
Wisma PPK, Lot 2354, Jalan Sungai Putat,
Batu Berendam, 75350 Melaka, Malaysia

Tel No : +606-3176828

Fax No : +606-3176854

Fees : RM700/-



Couse Outline

DAY 1

Multi tasking

- ✓ Concept of multitasking, interrupts, tricks and recommendations

SPI Protocol

- ✓ Introduction of SPI protocol, interfacing the devices with micro-controller using SPI protocol

I2C Protocol

- ✓ Introduction of I2C protocol, interfacing the devices with micro-controller using I2C protocol

Handling real time clock

- ✓ Introduction to real time clock, Interface of real time clock with micro-controller, protocol concept and programming

DAY 2

Handling EEPROM

- ✓ Selection of EEPROM, Interfacing with micro-controller, paging concept, data storage

Serial communication

- ✓ Concept of Serial communication, programming for serial transmit and reception of data, serial communication between different kind of devices

Project Assignments

*Detailed couse subcontent for above is available at <http://mrlengineering.com.my/training>

Yes! Please register me/us for the MRL Training Workshop

Microcontroller Programming Professional Level

Name :

IC No. :

Age :

Email :

Phone no :

Fax :

Currently Working/Student :

Company/University Name :

Starting Date :

Purpose of taking course :

**Registration
form**

Trainers :

- Dr. Amin Kayani
- Saiful Annuar
- Syed Mudasar ul Hassan
- Shoaib Saleem

Cancellation and Postponement

If any participant is unable to attend course due to some problem, is given the flexibility to change starting date without extra cost, One have to inform with the new starting date at least 3 days in advance.

75% refund will be made for cancellations received in writing at least 14 days before event.

A 50% of full fee will be refund if cancellation is made 7 days prior to the event.

Organised
By



MRL Engineering Sdn Bhd 626831-T
Creative Solutions, Addressing Your Needs

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