

PIC16F[®] Microcontrollers Hands on

DATE: 3/29/18

TIME: 9:00 am to 4:00 pm

LOCATION: Microchip Technology Regional Training Center, 112 Turnpike Road, Suite 100, Westborough Executive Park, Westborough, Massachusetts 01581

COURSE DESCRIPTION: Designing hardware and firmware with Microchip PIC[®] 16F processors by use of a simple example. Students will wire up their prototype, write the code, and debug their project on a PICDEM[™] Lab Development Kit DM163045 that they will leave with.

PREREQUISITES: Basic familiarity with PIC[®] Microprocessors, C, and MPLAB[®] X

OUTLINE:

- Introduction to the PICDEM[™] Lab Development Kit DM163045
- Definition of the project problem
- Breaking down the problem and selection of processor
- Hardware design using a PIC16F processor
- Firmware design with XC8 C compiler
- Learning to program the part using ICSP[™] with a PICkit[™]3
- Debugging your project MPLAB[®] X simulator and PICkit[™]3 debugger

MATERIALS PROVIDED:

- DM163045 Development tool kit
- PDF of presentation

REQUIRED:

- Your computer with MPLAB[®] X v 3.15 or later and XC8 v 1.35 or later installed.
- Payment 2 weeks in advance

FEE: \$399.00 per person.

ACCEPTED PAYMENT: Check, PayPal, or Credit Card.

TO REGISTER: Email Mchippguru@gmail.com for payment information and available discounts.