

# Prove Concepts Quickly with Demo Boards

DATE: 4/4/2023

TIME: 9:00 am to 4:00 pm

LOCATION: Microchip Technology Regional Training Center, 112 Turnpike Road, Suite 200, Westborough Executive Park, Westborough, Massachusetts 01581

COURSE DESCRIPTION: Write code using the Microchip Code Configurator for a Curiosity Demo Board getting a Proof of Concept Design up and running fast. Students write code, and debug projects on a Curiosity HPC Development Board DM164136 using two Click Boards, a MikroElektronika Relay Click MIKROE-1370 and a MikroElektronika LCD Mini Click MIKROE-2453 to speed development further that the students keep.

PREREQUISITES: Basic familiarity with PIC® processors, C, MPLAB® X, and Code Configurator

## OUTLINE:

- Introduction to the Curiosity Development Board DM164136
- Review of the Microchip Code Configurator Tool in MPLAB® X
- Typical Controller needs in a Proof of Concept
- Review of Peripherals
- Example Problem to Solve
- Click Boards
- Hands on Lab
- Quick Desktop Test Equipment with the Curiosity Board
- Typical Controller needs in Test Equipment

## MATERIALS PROVIDED:

- Curiosity Development Board DM164136, MikroElektronika Relay Click MIKROE-1370, MikroElektronika LCD Mini Click MIKROE-2453 and USB mini cable
- PDF of presentation.

## REQUIRED:

- Your computer with MPLAB® X v 5.10 or later and XC8 v 2.0 or later installed.
- Payment by 3/28/2023

FEE: \$499.00 per person.

ACCEPTED PAYMENT: Check, PayPal, or Credit Card.

TO REGISTER: Email [Mchipguru@gmail.com](mailto:Mchipguru@gmail.com) for payment information and available discounts.