

EMBEDDED C

This Workshop is a practical approach targeted to improve the student's fundamentals in Microcontroller coding and provide in-depth knowledge to develop codes to work on different platforms of Microcontrollers.

The objective is to provide adequate information about EMBEDDED C programming with which the learner will be able to initiate designing and developing own codes that can be written on any type of Microcontroller.

DESCRIPTION

A structured course with a smooth flow of information to gain expertise and therefore to gain appreciation on the following aspects:

- Advanced programming methods, monitoring and control of the peripherals
- Efficient and Good Coding Styles and Practices
 - o GPIOs,
 - o ADCs and DACs
 - o DC Motors, Stepper Motors,
 - o Temperature Sensors,
 - o LCDs,
 - o Keypad Decoding,
 - o UART, Timers, Counters, Interrupts Etc.

PLAT FORM

EMBEDDED-C, KEIL, MPLAB(Introduction to IDE), AVR STUDIO4 (Introduction to IDE).

EMBEDDED

C

APSYS-SOLUTIONS

DURATION

2-4 Days (8 Hrs Per Day)

DELIVERY METHOD

Instructor driven, Programming in Embedded-C, Hands-On assignments on the controller kit.

COURSE TOPICS

Introduction to Microcontroller programming, Microprocessors Vs Micro controllers, Programming with internal peripherals, Interfacing and programming external peripherals – LEDs, switches, ADC/DAC, LCD, Keypad, Motor, Sensors etc. Interrupt handling and other efficient programming techniques.

MATERIAL FOR THE PARTICIPANTS

1. CD containing all the slides, Programming Software, UART Terminal Controlling Apsis Proprietary executable and plenty of code examples.
2. Participation Certificates



INNOVATING THROUGHOUT

