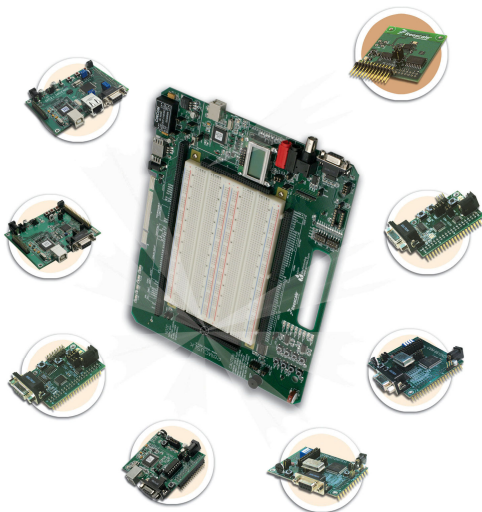


Your Binary – Embedded World



Get Trained on **Semiconductor**

NXP
FREESCALE
NEC
RENESAS
MICROCHIP
ATMEL

Duration:

Content: Hands-On Training on **Microcontroller**

Microcontroller in Embedded System:

- (1) Introduction of the Microcontroller.
- (2) Awareness of the CPU core technology.
- (3) Microcontroller–Flash Memory Programming.
- (4) General Purpose Input/Output – Operation.
- (5) Introduction to Microcontroller Peripherals.

Development Tools in Embedded System:

- (1) Introduction of the Cross-Compiler.
- (2) How to use IDE for Firmware development?
- (3) Project Development using Standard – IDE.
- (4) Developing of the Embedded Project in IDE.
- (5) Integration of the Firmware and Hardware
- (6) Use of the development tools.
- (7) How to utilize the Development tools to shorten project development time.

Hardware in Embedded System:

- (1) Introduction to PCB design tools.
- (2) Electronics Circuit design (Schematic).
- (3) Generation of the Net list from Schematic.
- (4) Schematic and PCB Library Preparation.
- (5) Component naming convention and Annotation.
- (6) Creation of the PCB and Component Placement.
- (7) PCB routing and EMI/EMC.
- (8) Generation of the CAM and Gerber file for Fabrication.

Student will awarded with Certificate on **“Embedded System Design and Development”**



EMBEDDED
CERTIFIED