



Embedded Technosolutions

Venture of IIT Bombay & VJTI Alumni

Embedded Systems | Software | Mechanical | Automation

Trainings & Jobs

100% Placement Assistance

Contact : 8828222688 / 9224301650

www.embeddedtechnosolutions.com



Industrial PIC Microcontroller

We Are India's one of the Leading Trainings & Jobs Providing Organization



Skill India Mission

कौशल भारत - कुशल भारत

Government of India Registered & ISO

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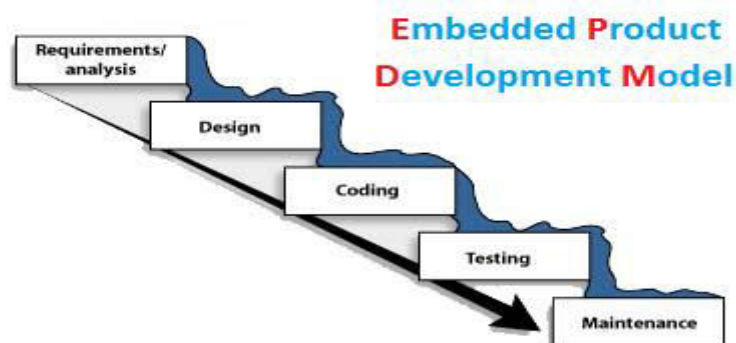
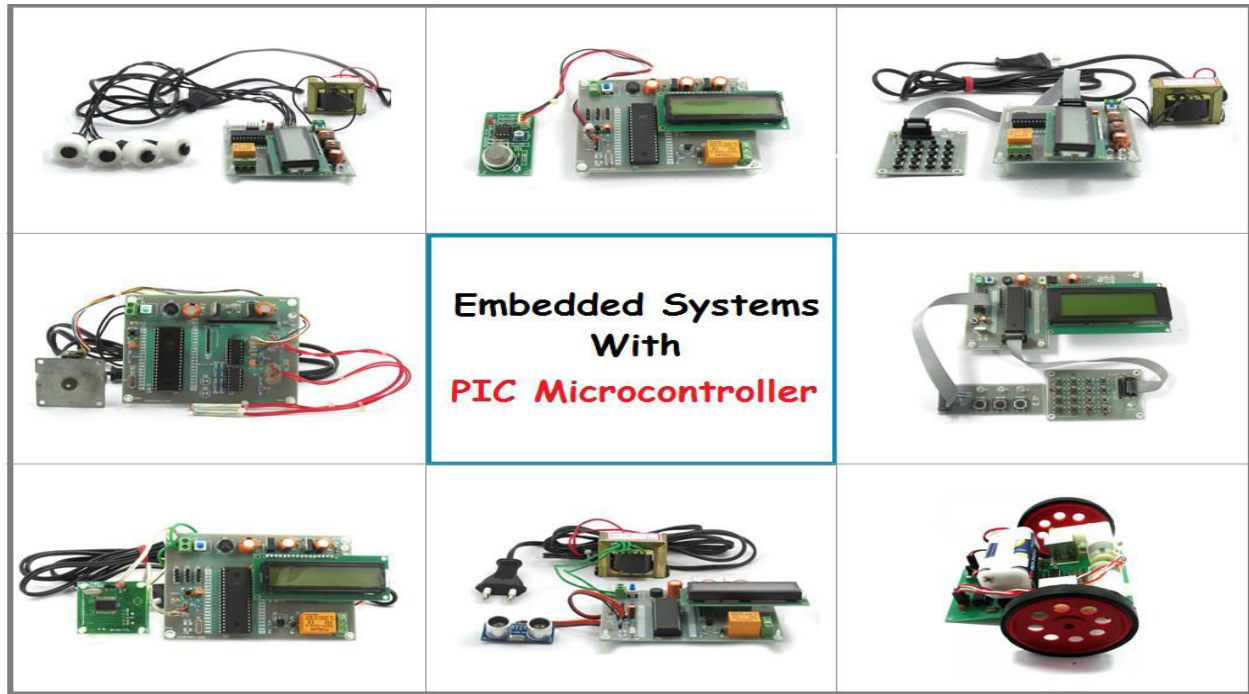
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Embedded Technosolutions is a Professional Training Institute & a Company which Working for Indian MNCs & Medium/Small Scale Industries in Product R&D, Development, Manufacturing & Customization.

Our training sessions are purely practical, based on industrial standard.



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Course Objectives

1. To provide professional and industrial standard training which will help the students to get job in the core industries
2. To learn practical orientation of actual industrial product design
3. To learn Embedded Systems which is the important part of Embedded Product Development
4. To learn Embedded C Programming which is the important part of Embedded Product Development
5. To learn Programming of Internal Peripherals in Embedded C
6. To learn PIC Architecture in detail (PIC16F877A)
7. To learn Hardware Requirements for PIC16F877A
8. To learn the designing of Real World Projects



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Course Syllabus

Chapter 1: Introduction to PIC16F877A Microcontroller

- Introduction to embedded system and PIC 16F877A
- PIC 16F877A Microcontroller family
- Application of PIC 16F877A Microcontroller
- Compiler

Chapter 2 : PIC 16F877A Microcontroller Pin details, Memory

- PIC 16F877A Microcontroller
- Features of PIC 16F877A Microcontroller
- Block diagram of PIC 16F877A Microcontroller
- Pin diagram of PIC 16F877A Microcontroller
- Architectural overview of PIC 16F877A
- On-chip flash program memory
- On-chip static RAM



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Chapter 3 : MPLAB IDE

- Introduction to MPLAB IDE
- Creating project with MPLAB IDE
- Debugging

Chapter 4 : Hardware Interface

- Minimum system requirements for PIC microcontroller
- Hardware interfacing details

Chapter 5 : Pin Connect block ,GPIO

- Pin Connect Block
- LED and switches interfacing
- Buzzer
- LCD
- DC Motor
- Matrix keypad interfacing



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Chapter 6 : UART

- UART : Features, Serial Communication



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Contact Us

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