



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 ARM7 Processor

We Are India's one of the Leading Trainings &
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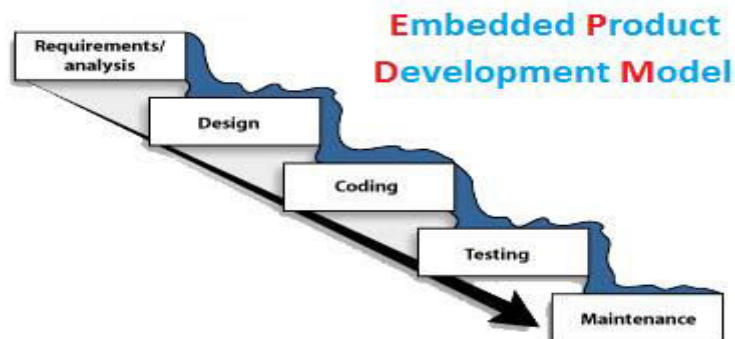
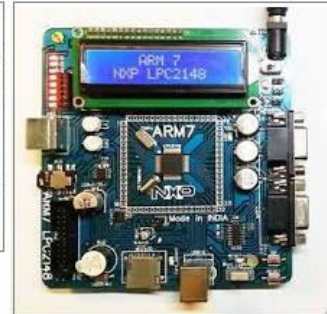
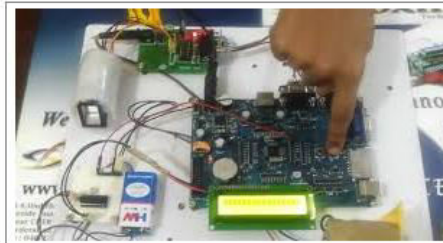
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Embedded Systems
with ARM7 Processor





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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 ARM7 Architecture in detail (LPC2148)
7. To learn Hardware Requirements for LPC2148
8. To learn the designing of Real World Projects



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Course Syllabus

Chapter1 : Introduction to ARM Processor

- Introduction to embedded system and ARM Processor
- ARM processor family
- Application of ARM Processor
- Compiler
- Difference between RISC & CISC

Chapter2 : LPC2148 Microcontroller Pin details,Memory

- LPC2148ARM7 microcontroller
- FeaturesofLPC2148
- BlockdiagramofLPC2148
- PindiagramofLPC2148
- Architectural overview
- On-chip flash program memory



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- On-chip static RAM

Chapter3 : Keil IDE

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

Chapter4 : Hardware Interface

- Minimum system requirements for LPC2148
- Hardware interfacing details

Chapter5 : System Control

- PLL
- External Interrupt input



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Chapter6 : Pin Connect block,GPIO

- Pin Connect Block
- General Purpose I/O:
- LED and switches interfacing
- Buzzer
- LCD
- DC Motor
- 4x4 Matrix Keypad

Chapter7 : UART

- UART: Features, Serial Communication



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Contact Us

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