



Empowering Business Globally



REGISTER NOW !

Trainers have **13+** years experience

CONTACT US NOW
9042090708

www.litztech.in

EMBEDDED COURSE TRAINING

WHY LITZ TECH?

Learn IT Zone is a pioneer in facilitating education using breakthrough technologies. With dedicated teams academic experts, the company has been on the forefront of heralding the next advancement in learning, thus becoming a distinctive player in bridging geographical and cultural borders, we are well connected with the networks of colleges and IT solutions. LITZ TECH INDIA PVT LTD recruits well performing students of Learn IT Zone that provides an effective career.

KEY FEATURES

- Train from professionals with industry experience
- Learn theoretical concepts and gain hands-on training simultaneously
- Real time Hands-On Practical Experience Training to imbibe corporate practices
- Get certified at the end of the training
- Receive placement support once the training is completed ➤

Getting exposure to latest technology up gradations.

- Advanced lab facility and most updated syllabus and materials will be provided with learning tools for easy learning
- You will have the access to contact the trainers at any time.

Course Syllabus

- Language Classification.
- Low Level Approach, High Level Approach.
- Advantages & Disadvantages Of Low And High Level Languages.

BRIF INTRODUCTION TO COMPUTER ARCHITECTURE

- Classification Of Von-Neuman And Hardware Architecture.
- Difference Between Risc And Cisc.
- Memory Classification (Primary & Secondary).

DESIGNING WITH MICROCONTROLLERS

- Difference Between Microcontrollers And Microprocessors.
- Introduction To Atmel And Family.
- Block Description Of Pic 16f877.
- Special Features Of Pic 16f877.

INTRODUCTION TO EMBEDDED 'C'

- Extended Data Types, Accessing Low Level Resource.
- Inter Working With ARM™ And Assembly.
- Inline Functions, Inline Assembly Routines.

REAL WORLD INTERFACING -ED

- Amazon Command Line Interface API's.
- Elastic-fox.
- S3-Browser.

TIMER/COUNTER PROGRAMMING

- Description Of Sfr Associated With Timer/Counter.
- Configuring As A Timer, Configuring As Counter.

SERIAL COMMUNICATION USING UART

- Study Sfr Associated With Uart.
- Introduction Uart Frame Structure.

INTERRUPT DRIVEN PROGRAMMING

- Sfr Associated With Interrupts.
- Interrupt Handling Methods.
- Programming Timer Interrupts, Programming Serial Interrupts.

REAL WORLD INTERFACING -LED

- Internals Of 16x2 Lcd.
- Command Set Of Hd44780 Microcontroller.
- Writing Simple Program To Drive Lcd.

REAL WORLD INTERFACING – 7 SEGMENTS

- Theory Of 7 Segments Display, Writing Decoding Chart For 0-F Character.
- Writing One Digit Up/Down Counter Program.
- Programming 2 Digit Counter.

REAL WORLD INTERFACING -KEYPAD

- Interfacing Micro Switch's Microcontroller.

- Designing Linear Keypad.

REAL WORLD INTERFACING - MOTORS

- Different Kind Of Motors.
- Interfacing With Stepper Motor.
- Driver Circuit For Dc Motor.

USING AND CONFIGURING ADC

- Introduction To Adc, Adc Initialization.
- Writing Programs To Read Voltages, Interfacing Lm35 (Temperature Sensor).

USING INTERNAL / EXTERNAL MEMORIES

- Introduction To External Memory Interfacing Using Intel Bus Timing.
- Introduction To I2c Protocol, Interfacing I2c Memory.
- Sfr Configuration To Read/Write Internal Memory (Eeprom).
- Using Library To Read/Write Internal Eeprom.

Our Training Benefits

Check out our innovative key features in training methodologies. Our flexible training mechanisms incorporate all techniques right from knowledge assessment till setting placement records.

- ➔ Gain knowledge from experienced professionals in the field.
- ➔ Learn both theoretical concepts and gain practical experience at the same time.
- ➔ Training that provides real-world, hands-on experience in order to teach proper workplace practices.
- ➔ Grab certification upon completion of training

➡ Receive placement assistance following completion of training ➡

Being exposed to the most recent technological advancements.

➡ Learning tools will be provided along with the most up-to-date lab facilities, curriculum, and course materials

➡ You will be able to connect with the trainers at any time.

LITZ Tech