ZENUS
TRAINING | DEVLOPMENT | PLACEMENT

EMBEDDED SYSTEMS

CERTIFICATION IN EMBEDDED SYSTEM

Master's in Embedded System skills & and take your career to the next level!

Who can Join the Course?

- Electrical and Electronics Engineering : This is a core area, as embedded systems heavily involve electronics, microcontrollers, and interfacing.

- Computer Science/Engineering: Software development, operating systems, and system architecture knowledge are crucial for embedded software.

- Instrumentation and Control Engineering: Designing and implementing control systems using embedded technology is a key aspect.

GIMPLES OF OUR SUCCESSFUL TRANSITIONS

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Reviews
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Google
Reviews
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Sulekha
Reviews
4.9 ★★★★★

PROGRAM CURRICULUM-I

INTRODUCTION TO EMBEDDED SYSTEM

- History & need of Embedded System
- Basic components of Embedded System
- Programming Language Classification of Embedded System
- Advantage & Disadvantage

MICROPROCESSOR & MICROCONTROLLER CLASSIFICATION

- Difference between Microprocessor & Microcontroller
- Classification based on architecture
- Memory Classification

REGISTERS & MEMORY OF AT89C51

- Description of RAM
- Description of CPU Registers
- Functions of SFR

INTRODUCTION OF EMBEDDED C
Introduction to Embedded C

- Difference between C & Embedded C
- Programming style
- Basic structure of C program

CONSTANTS, VARIABLES & DATA TYPES

- Keywords & Identifiers
- Data type & its memory representation
- Arrays and strings
- OPERATORS
- Types of Operators
- Bitwise Operators explained

CONTROL STRUCTURES & LOOPS

- Decision making with if statement
- If....else statement
- Switch statement, and GOTO statement
- The While and Do – While statements
- For statement
- FUNCTIONS
- Why Functions
- Types of Functions
- A Multi functional program Return values & their types

INTERFACING OF SWITCHES & KEYBOARD MATRIX

- Introduction to Switches & Keyboard Matrix
- Interfacing Circuit of Switches & Keyboard Matrix

PROGRAM CURRICULUM-II

- Programming of Keyboard Matrix & Switches
- Controlling of LED's by using Switches
- Key board Matrix & LCD Interfacing Program
- INTERFACING OF MOTORS
- Introduction to Motors
- Types of Motors used in Embedded System
- Programming & Controlling of motors in Embedded System
- TIMERS & COUNTERS PROGRAMMING
- Introduction to Timers & Counters Difference between Timer and Counter
- Description of SFR associated with Timers & Counters
- Programming of Timers & Counters
- SERIAL COMMUNICATION PROGRAMMING
- Introduction to Serial Communication

- Types of Serial Communication Description of SFR associated with Serial Communication Programming of UART
- INTERFACING OF ADC
  Introduction to ADC
  Programming of ADC
- SENSOR INTERFACING
  Introduction to sensing devices Interfacing of IR Sensors Interfacing of Temperature Sensor

ZENUS **CAREER SERVICES**

Career-oriented Session
Attend 10+ career-oriented session by industry mentors and prepare your career trajectory

Profile Building
Php Programming resume and LinkedIn profile to make an impression on top employers

Dedicated Job Portal Access
Get exclusive access to 20+* job posting per month on Zenus's job portal

Mock Interview Preparation
prepare with mock interviews including most asked question by top employers

1:1 Mentoring Session
Get 1:1 guidance at every step in your career transition to Php-Programming

Placement Assistance
Placement opportunities are provided once the learner is moved to the placement pool upon clearing Placement Readiness Test(PRT)**

NO. 1 AWARD WINNING TRAINING COMPANY

Awared By Ex-Indian Cricketer Chetan Sharma Sir

Awared By Ex-Indian Cricketer Sandip Patil Sir

VISIT US

Zenus Infotech India Pvt. Ltd.

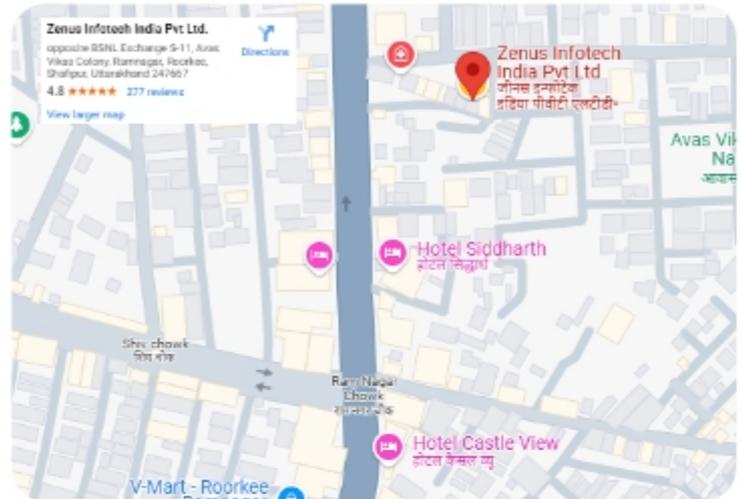📍 S-11, Gate-1, Avas Vikas , Opposit BSNL Telephoone Exchange, Roorkee

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STUDENT TESTIMONIALS

Shivant Tyagi
★★★★★

Our experince with ZENUS INFOTECH has been very good. its the best company in india for industrial training and placements.

Abdul Raoof
★★★★★

Good teches.And Good teacher .Zenus teacher is helping person that solve the asking question .Zenus is a wonderful platform

Piyush Kumar
★★★★★

I feel my self with a great weight of knowledge after doing training from Zenus Infotech

Prabhat Saini
★★★★★

Extremely nice atmosphere to learn softwares and knowledgeable and helpful faculty with great experience.

Sumit Pant
★★★★★

Highly skilled staffs well as good place to work ..the faculties are very good teachers

Ishant Chauhan
★★★★★

Highly experienced and project oriented training received with full support from the trainner. Thanks Zenus Infotech