



**ROBOTIC**

## **CERTIFICATION IN ROBOTICS**

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



## WHO CAN JOIN THE COURSE?

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- Candidates must have completed their 10+2 education with Physics, Chemistry, and Mathematics as core subjects from a recognized board.
- Often require a technical background or prior experience. Would you like help finding a course suitable for your level.
- A strong interest in technology, machines, and problem-solving is also beneficial for anyone pursuing robotics.

## GIMPLES OF OUR SUCCESSFUL TRANSITIONS

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Reviews 4.6 ★★★★★



Reviews

4.8 ★★★★★



Reviews

4.8 ★★★★★



Reviews

4.9 ★★★★★





**Duration- 8 Weeks**

## **PROGRAM CURRICULUM-I**

- **INTRODUCTION TO EMBEDDED SYSTEM**
  - Introduction to the command line
  - Embedded system overview
  - Embedded systems and design
  - Basic machine concepts
  - **Microcontrollers - I**
  - Design philosophies
  - Applications of a microcontroller
  - Microcontroller 8051
  - **Microcontrollers - II**
  - Programmable interface controller
  - Interfacing devices
  - **Embedded Systems with C**
  - C and data structures
  - Embedded
  - **Embedded Linux**
  - Basic of Linux
  - Embedded
  - Basics of operating system
  - Posix
  - Rtos
  - RT Linux
  - **Embedded Robotics**
  - Robotics
  - Applications of robotics
  - **Robotics AVR**
  - AVR
  - Hardware description of AVR
  - AVR on chip
  - **Robotics ARM**
  - Introduction to arm processor
  - Type of ARM
  - 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
  - Programming of Keyboard Matrix & Switches
  - Controlling of LED's by using Switches



**Duration- 8 Weeks**

## **PROGRAM CURRICULUM-II**

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- 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



Awarded By Ex-Indian Cricketer  
Chetan Sharma Sir



Awarded By Ex-Indian Cricketer  
Sandip Patil Sir

## VISIT US



Zenus Infotech India Pvt. Ltd.



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



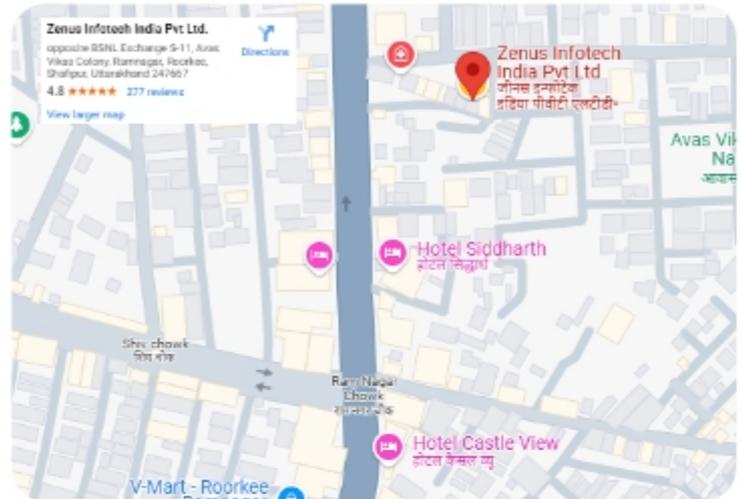
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## STUDENT TESTIMONIALS

**Shivant Tyagi**

★★★★★



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

**Abdul Raouf**

★★★★★



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 trainer. Thanks Zenus Infotech

