

Embedded Systems and Robotics

An International Certificate Course offered by



For more details about the course, contact us

Zaib Technologies Pvt. Ltd.

Embedded System Consultancy, Development and Training

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Introduction to Zaib Technologies Pvt. Ltd.:

Zaib Technologies Pvt. Ltd., with head office in Pune, India, is a leading Indian Embedded Systems company providing technical consultancy and development services across the globe. It is India's one of the best training and workshop company for Embedded Systems and Robotics.

It conducts various summer training programs, industrial training programs, embedded systems and robotics workshops, advanced embedded systems courses in various cities of India like Pune, Chinchwad, Nasik, Jalgaon, Sholapur, Nagpur, Kolhapur, Aurangabad, Bhopal and Osmanabad etc.

The courses, training programs and workshop range from basic electronics to advanced embedded systems hence satisfying from hobby learners to Embedded Systems careers aspirants. Some of the sophisticated training programs provide 100% Job Guarantee in the field of Embedded Systems.

Learning Objectives:

Engineering students do learn Electronic Design, Microcontrollers and Embedded Systems in the college as per their syllabus. Most of the students understand the design aspects and know theory behind it. However, when it comes to designing practical applications, it is found that almost 63 percent of the students can not design and build practical application due to lack of practical knowledge. Approximately 32 percent of the students do design and build the applications, but they are not able to debug the system and find the problem when application does not work as per the expectation.

The root cause of this lack of practical knowledge is due to the theoretical approach of learning. The academic syllabus aims at teaching the theory part. The practical sessions conducted in the labs are mostly on the Kits which hides most of the design parts from students.

This lack of practical knowledge causes following problems to the students

- 1) Students are not able to design and develop their academic projects.
- 2) Students are not able to face interview questions that are aimed to extract practical knowledge student has got.
- 3) After joining the industry as a fresher, students can not perform as they are not able to work on practical platform

In order to aim such problems, Zaib Technologies Pvt. Ltd. Has designed a sophisticated course "Embedded Systems and Robotics". It is a one month or eight days (60 hours) course that aims at practical approach of learning. The students are taught everything practically. After joining this course, students get:

- 1) Certificate: That helps in adding extra points to your resume and fetching a good job opportunity.
- 2) Practical Learning: Students acquire practical knowledge hence can design their own projects, can face interview in a better way, and can prove their talent after joining a company.
- 3) Competitions: As the practical knowledge has been gained, students can participate in the various competitions, win prizes and add up extra things to their resume.

International Certification:

Zaib Technologies partners with RCSA, the Robotics Certification Standard Alliance, Canada. The students opting for Embedded Systems and Robotics course offered by Zaib Technologies can now get an international certification.

The Robotics Certification Standards Alliance (RCSA) is a global company that has been actively providing robotics curriculums, training, online testing systems and certification since 1998.

Benchmarking Robotic Technology the RCSA has grown to include international partners such as Panasonic, Motoman, American Welding Society (AWS), government accredited vocational colleges in Canada, Robotech Labs, Zaib Technologies Pvt. Ltd., Roboticwares and soon several other global partners.

What Students Learn?

The concept of Embedded Systems
Keil uVision
ISIS Proteus
Introduction to Microcontroller Families
Introduction to 8051/AVR/ARM microcontrollers
Revision of 8051 Architecture and Concepts
Interfacing of LEDs
Interfacing of Switches
Interfacing of Relays
Interfacing of LCD
Interfacing of 7 Segment Display
Interfacing of ADC
Interfacing of Stepper Motors
Interfacing of DC Motors
Interfacing of IR Sensors
Interfacing of Sound Recorder ICs
Interfacing of Mobile Phone using DTMF
Interfacing of Real Time Clock
Interfacing of Serial Memory
Serial Communication
Interfacing GSM module
Interfacing of GPS module
Interfacing of I2C devices
Assembly Language Programming
PWM Techniques
Cross Compilers
At least one mini project
At least one project per five students based on AVR microcontroller

Project Hands On:

LED based Game
Digital Calendar
Digital Alarm Clock
Digital Thermometer and Controller
Line Follower Robot
Wall Follower Robot
Obstacle Avoider Robot
Mobile Controlled Robot
Sound Recording and Playing

What Students Get?

Certificate of Completion
International RCSA Certificate
Project Letter for the projects completed as part of the training
Sponsorship/JOB Offer letter (if selected)

Who Can Participate?

All Engineering Undergraduates
Embedded Developers
Professionals

Fees:**Option 1: Rs. 8500 + Taxes**

The Fees includes:

- 1) 30 days Training and Lab Charges
- 2) Certification, Evaluation and Test Fees.
- 3) Post Training project assistance discount voucher worth Rs. 1000/-
- 4) Advanced Embedded Systems training discount voucher worth Rs 5000/-

Option 2: Rs. 9800 + Taxes

The Fees includes:

- 1) 30 days Training and Lab Charges
- 2) Certification, Evaluation and Test Fees.
- 3) Post Training project assistance discount voucher worth Rs. 1000/-
- 4) Advanced Embedded Systems training discount voucher worth Rs 5000/-
- 5) International RCSA Certificate

How to enroll?

Call us today at 0091 9096234799 or drop an email at info@zaib-tech.com to get the details

Learning is not compulsory, neither is survival.

Consultancy | Development | Training