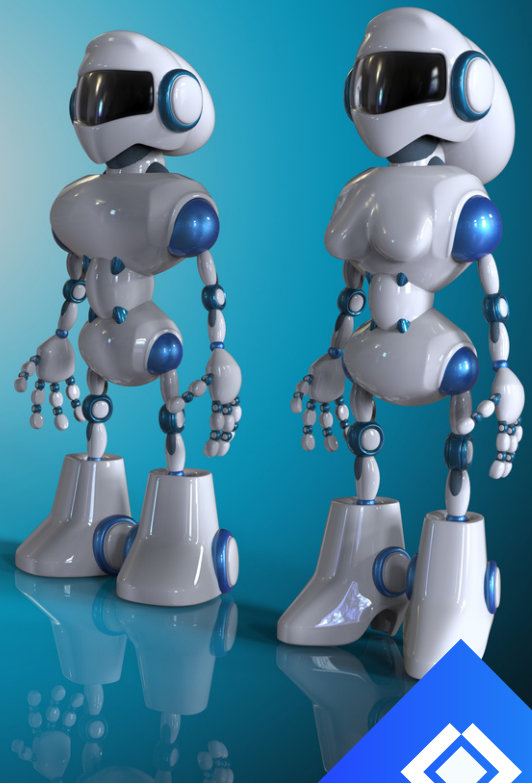


ROBOTICS WITH EMBEDDED SYSTEM TRAINING

REST



COURSE
BROCHURE



INTRODUCTION TO THE COURSE

Robotics and Artificial Intelligence (AI) have become an integral part of human life in recent years. There are many practical applications of AI such as the recommendation bots of YouTube or Netflix, video game bots, etc. This is the reason why Robotics and AI go hand-in-hand. Whatever AI system that your code may be installed in a Robotics system and it can be made to work. So, if you do not apply your knowledge of AI in practical situations, there is no point in learning. Hence, IEM Labs brings to you this Summer/Winter Robotics with Embedded Systems Training Program in the US wherein you will be taught about the fundamental concepts of Embedded Systems and Robotics. This will help you greatly in the advancement of your career

FOCUS AREAS

- VOICE RECOGNITION
- MOBILE CONTROLLED
- WIRELESS ●
- SELF-BALANCING ●

ABOUT THE COURSE

- **Course Type:** Basic

- **Eligibility Criteria:**

- No basic knowledge is required.

- Minimum System Configuration Required: -

- o Intel i5 Processor

- o 8GB RAM

- o 1TB Hard Disk

- **Batch Size:** 5 students maximum

- **Course Duration:** 16 hours

	ONLINE	OFFLINE
COURSE FEE:	5000 INR	5000 INR
TRAINING LOCATION:	ANY	KOLKATA

COURSE CONTENT



MODULE 01	Atmel AVR Microcontroller Basics
MODULE 02	Programming AVR in C Language
MODULE 03	Programming AVR in Python Language
MODULE 04	Concept of Machine Learning
MODULE 05	Wireless Communication
MODULE 06	Motors Interfacing & Control
MODULE 07	Robot Making
A	Line Follower Robot
B	Self-Balancing Robot
C	Obstacle Avoidance Robot
D	Maze Solving Robot
E	Mobile Controlled Robot
F	Motion Gesture Recognition Robot
G	Voice Recognition System (VRS) Robot
H	Edge Detection Robot
MODULE 08	Project





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