



COURSE BROCHURE

Robotics With Embedded Systems Training

Introduction to the Course

Robotics and **Artificial Intelligence (AI)** has become an integral part of human life in the recent years. There are many practical applications of **AI** such as the recommendation bots of **YouTube** or **Netflix**, etc. This is the reason why **Robotics** and **AI** go hand-in-hand. Whatever **AI** system that you 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 that. Hence **IEM Labs** brings to you this **Robotics with Embedded Systems Training Programme** wherein you will be taught about the fundamental concepts of **Embedded Systems** and **Robotics** which will help you greatly in the advancement of your careers.

About the Course

Course Type - Training

Eligibility Criteria: -

- **No basic knowledge is required.**
- **Minimum System Configuration Required: -**
 - Intel i5 processor
 - 8gb Ram
 - 1tb Hard disk

Course Duration - 16 hours i.e. 2 classes every week.

Course Fee: -

- **Online: 4500 INR + 18% GST**
- **Offline: 4000 INR + 18% GST**

Training Location: -

- **Offline - Kolkata**
- **Online - Any**

Course Content

- Module- 1: Embedded Systems
- Module- 2: Arduino
- Module- 3: Anatomy of Arduino
- Module- 4: LED Interfacing with Arduino -
- Module- 5: Basic Electronic Concepts of Embedded Designing
- Module- 6: Pulse Width Modulation.
- Module- 7: Seven Segment Displays
- Module- 8: LCD Interfacing with Arduino

Frequently asked questions (FAQ's)

1. What must be the minimum age for doing this course?

Answer - There is no minimum age requirement for doing this course.

2. What must be the minimum qualification required for doing this course?

Answer - There is no minimum qualification required if the student meets the **Eligibility Criteria**.

3. Will I get a certificate after this course?

Answer - Yes, certificate (hardcopy/softcopy) will be provided after the course.

4. In which language classes will be conducted?

Answer - Classes will be conducted mainly on English, Hindi & Bengali, mainly it will depend on majority criteria.

5. Is this for professionals, students or both?

Answer - This course is both for Professionals and Students.

6. Will there be any exam or project?

Answer - Yes, there will be 1 live project to be done after the course completion.

7. Will I have to carry my own laptop or it will be provided?

Answer - It is recommended that the student carry his/her own system because it makes their self-practise easier. In case of emergency laptop/desktop can be provided by us.

8. My question is not enlisted here, whom can I contact?

Answer - Feel free to get in touch with us at: -

- Email: iema@iemlabs.com
- Phone: India: +91 9163198148 | Canada: +1-604-431-979