

IEM
LABS.



COURSE BROCHURE

Certified Internet of Things Professional | CITP

Introduction to the Course

Internet of Things (IOT) is a system of interconnected devices, mechanical and digital with the ability to transfer data from one machine to another without having human-to-human or human-to-computer interaction. **Internet of Things (IOT)** has become very popular in the last few years. The **Internet of Things (IOT)** is the basis for robotics. Nowadays most of the robotics projects that occur around the world are all based on the **Internet of Things (IOT)**.

Hence a **Certified Internet of Things Professional | CITP** is a very valuable asset to a company working in **Artificial Intelligence (AI)** and **Automation**. With this certificate credential the students can apply for job roles in any of those companies with an average annual salary of **15.2 lakh INR**.

For these reasons, the **Certified Internet of Things Professional | CITP** training course by **IEM Labs** has become so popular in Kolkata and other places. The students will be trained by industry professionals who have been working in this field for the last 8-10 years.

Why to choose IEM Labs?

What is more exciting is that we are going to give you **hands-on projects** and **practical based classes** throughout the entire curriculum of this course to give you an idea about the practical aspects of the course.

We at **IEM Labs** provide both **Online** (through platforms like “**Google Hangout Meet**”, “**Go to Meeting**”, “**Zoom**”, etc) and **Offline** mode classes. The most beneficial point for a student to get trained by **IEM Labs** is “**One Year Lab Access**”, i.e. every student from the date of admission will have access to our “**Online Virtual Lab**” for practising and getting all notes, pre-recorded videos and tools according to their course for one year absolutely free of cost.

About the Course

Eligibility Criteria: -

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

Batch Size - 5 students maximum.

Course Duration - 40 hours i.e. 2 classes every week.

Course Fee: -

- **Online: 13000 INR + 18% GST**
- **Offline: 12000 INR + 18% GST**

Training Location: -

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

Gradation System

- **E Excellent (90% - 100% Marks)**
- **A+ Very Good (80% - 89% Marks)**
- **A Good (70% - 79% Marks)**
- **B+ Average (60% - 69% Marks)**
- **B Fair (50% - 59% Marks)**
- **C Fail (Below 50% Marks)**

Course Content

- Module - 1: Introduction to Internet of Things (IOT)
- Module - 2: Role of Internet of Things (IOT) in Data Analytics
- Module - 3: Application of Internet of Things (IOT) & Data Analytics
- Module - 4: Smart City Development
- Module - 5: Hospital Management
- Module - 6: Real Estate Management
- Module - 7: Security System (Bank, Manufacturing) Development
- Module - 8: Défense and Aviation
- Module - 9: Disaster Management
- Module - 10: Architecture of Raspberry Pi
- Module - 11: Sensors (Temperature, Pressure, Humidity, Motion, etc.)
- Module - 12: Communication Protocols of Internet of Things (IOT)
- Module - 13: Python Programming for Internet of Things (IOT) & Data Analytics
- Module - 14: Big Data Platform in Context of Internet of Things (IOT)
- Module - 15: Programming Raspberry Pi using Python
- Module - 16: Connecting Sensors over Internet of Things (IOT)
- Module - 17: Storing Internet of Things (IOT) Generated Data
- Module - 18: Transmitting, Receiving and Retrieving Data from Internet of Things (IOT)
- Module - 19: Building & Resolving Application on Internet of Things (IOT) and Data Analysis
- Module - 20: Project

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 any course material?

Answer - Yes, all materials are available on our online virtual lab, you can access them fully upto 1 year from the date of admission.

4. Will I get a certificate after this course?

Answer - Yes, certificate (hardcopy/softcopy) will be provided after the course which will consist of a grade provided by the assigned trainer as per the final project submitted.

5. In which language classes will be conducted?

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

6. Is this for professionals, students or both?

Answer - This course is both for Professionals and Students.

7. Will there be any exam or project?

Answer - Yes, there will be 3 exams through the whole course duration and 1 project to be done after the course completion based on which Grade for certificate will be provided.

8. 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.

9. What kind of jobs roles can I apply after doing this course?

Answer - You can apply for any job roles related to the courses covered.

10. Can I apply for an Internships at IEM Labs? What will be the selection criteria and procedure?

Answer - After completion of minimum 2 courses you can apply for an Internship. There will be a technical interview, based on the reports from Faculty and Technical Interview selection will be granted.

11. Are the Internships paid?

Answer - Yes, the Internships are "***Paid Internships***".

12. 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