

**IEM**  
**LABS.**



# COURSE BROCHURE

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**Certified Python Developer | CPD**

# Introduction to the Course

**Python** is an interpreted, high level language. It was created by **Guido Van Rossum** in **1985**. Since then, **Python** has become the most popular programming languages in the world. This is simply because of its simple syntax and the wide range of its applications, starting from **Game Development**, **Graphical User Interface (GUI) Development** to **Machine Learning** and **Artificial Intelligence**.

**Python** is a great programming language for people who have started programming. This is because of the simple syntax of **Python**. It being a high-level language, its syntax is much like the English language, so that anyone can understand what the software written in **Python** does.

The **Certified Python Developer | CPD** course organised by **IEM Labs** goes step-by-step into **Python Development** methodologies. After the completion of this course the students will be able to develop **Python** programs successfully. Maximum companies all over the world recruit **Python Developers** in their companies. Even **Google** recruits **Python Developers**, giving them a good salary package.

At the end of this course the students will know about: -

- Basics of Python
- Lists, tuples, dictionaries, sets, etc.
- File handling
- OOP concepts
- Scripting

## Why to choose IEM Labs?

What makes this course much more exciting is that we provide **hands - on training** procedure through projects and practical based classes throughout the entire curriculum 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

**Course Type - Basic**

**Eligibility Criteria: -**

- **No basic 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: 11000 INR + 18% GST**
- **Offline: 10000 INR + 18% GST**

**Training Location: -**

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

## Gradation System of IEM Labs

- **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 Python
- Module - 2: Lab Setup
- Module - 3: Basics of Python (data types, variables, etc)
- Module - 4: Strings
- Module - 5: Lists, Tuples, Sets and Dictionaries
- Module - 6: Looping and Conditional Statements
- Module - 7: Functions
- Module - 8: File Handling
- Module - 9: OOPs concept
- Module - 10: Python Modules
- Module - 11: Exception Handling
- Module - 12: Date/Time Modules
- Module - 13: Python Network Programming
- Module - 14: Database Connectivity using MySQL Database
- Module - 15: Threading and Parameter Parsing
- Module - 16: Socket programming
- Module - 17: Network Packets
- Module - 19: Creating Hacking & Forensic Tools
- Module - 20: Shell Programming in Python
- Module - 21: Web Hacking with Python
- Module - 22: 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 course.

**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](mailto:iema@iemlabs.com)
- Phone: India: +91 9163198148 | Canada: +1-604-431-979