



Python Programming

4 Weeks / 30 Hours

Offline/ Classroom

Internship & Training Program

Delhi-NCR | Lucknow | Bhubaneswar | Bhopal | Varanasi

Official Partner



EISYSTEMS TECHNOLOGIES

FF-113, Express Greens Plaza, Sector 1

Vaishali, Ghaziabad (Delhi NCR), Uttar Pradesh -201010

P: +91 9773976977 | E: info@eisystems.in | W: www.eisystems.in

Internship & Training Program

About EISystems

EISystems Technologies is a leading Indian technology identity with operations in 16 states and union territories of India. EISystems (We call it EISys) offers trainings in Machine Learning, Internet of things, Deep Learning, Computer Forensics, Automobiles, Robotics and Socialmedia related solutions for enterprises and student community. Our online edtech domain "Robokwik" have been in among top self learning products provider brands in India. We have trained about 70000 students and impacted around 2 lakhs students through our various outreach initiatives since our founding.

Our Clientele

Some of the colleges where we had already felt our presence are given below:-

Indian Institute of Science, Bangalore
Indian Institute of Technology, Bombay
Indian Institute of Technology, Delhi
Indian Institute of Technology, Madras
Indian Institute of Technology, Kanpur
Indian Institute of Technology, Roorkee
Indian Institute of Technology, Guwahati
Indian Institute of Technology (Banaras Hindu University), Varanasi
Indian Institute of Technology, Indore
Indian Institute of Technology, Bhubaneswar
Indian Institute of Technology, Jodhpur
Indian Institute of Technology, Hyderabad
National Institute of Technology, Tiruchirappalli
National Institute of Technology, Warangal
National Institute of Technology, Calicut
National Institute of Technology, Patna
National Institute of Technology, Jalandhar
National Institute of Technology, Jaipur
National Institute of Technology, Durgapur
National Institute of Technology, Surat
National Institute of Technology, Allahabad
Indian Institute of Information Technology, Allahabad
ABV- Indian Institute of Information Technology & Management, Gwalior
College of Engineering Guindy,
Anna University, Chennai
PSG College of Technology, Coimbatore
JNTUH College of Engineering, Hyderabad

and more than 100 other engineering colleges.

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Prerequisites

Participants from 1st year/ 2nd year / 3rd year / 4th year of CSE/IT/MCA/BCA/BSc IT/ECE branch will get more benefited after joining this program.

What to bring during training program?

Here's the checklist

1. Fully charged laptop with Microsoft Windows configuration.
2. Laptop Charger/ Adapter
3. USB Mouse for designing purpose.

What we are expecting for COVID19 prevention?

During visit at our center we expect students / interns :-

1. To wear facemask during training session enough to cover mouth & nose.
2. To have a bottle of sanitizer all the time.
3. To come with a bottle of drinking water with enough water as it will not be provided at center.
4. To use Aarogya Setu app otherwise entry will not be allowed.
5. Not to use or atleast discourage using of washroom at center.
6. To follow social distancing norms and follow all government guidelines regarding COVID19 prevention.

Training Deliverables

Every participant will get all under mentioned deliverables

1. 30 hours classroom training by specialized trainer.
2. Certificate of Internship with project mentioning on it.
3. EISystems Access ID Card & Stylish Storage Folder
4. Notepad & Pen

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Course & Content

All of the sessions will be practical oriented, so it will be really great if participant(s) can look on the syllabus which we are going to cover during training days.

Session 1

- Introduction
- Why do we need Python?
- Program structure
- How to Install Python
- Execution steps
- Interactive Shell
- Executable or script files
- User Interface or IDE
- Creating Your First Python Program

Session 2

- Memory management and Garbage collections
- Object creation and deletion
- Object properties
- Data Types and Operations
- Numbers
- Strings

Session 3

- List
- Tuple
- Dictionary
- Other Core Types
- Statements

Session 4

- Statements and Syntax
- Assignments, Expressions and prints
- If tests and Syntax Rules
- While and For Loops
- Iterations and Comprehensions

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Session 5

- File Operations
- Opening a file
- Using Files
- Other File tools
- Functions
- Function definition and call
- Function Scope
- Arguments
- Function Objects

Session 6

- Modules and Packages
- Module Creations and Usage
- Module Search Path
- Package Creation and Importing

Session 7

- Classes
- Classes and instances
- Classes method calls
- Inheritance
- Static and Class Methods
- Bound and Unbound Methods
- Operator Overloading
- Polymorphism

Session 8

- Exception Handling
- Default Exception Handler
- Catching Exceptions
- Raise an exception
- User defined exception

Session 9

- Python Check If File or Directory Exists
- Python COPY File using shutil.copy()
- Python Rename File and Directory using os.rename()
- Python ZIP file with Example

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Session 10

Accessing Internet Data with Python
Manipulating XML with Python

Session 11

Project Work & Application

Updation & Duration of Course

The course (given above) is a proposed structure and we are currently working to update it considering industry requirements, we may add / delete / modify sessions in it without any prior notification. The internship program is divided into two parts i.e. training period (2 weeks) and project period(2 weeks) however total duration of program will remain 4 weeks only.

Disclaimer

A session doesn't necessarily depict the day count or the day on which it is going to be covered, we may cover more than or lesser than one session in a day and even alter/amend the schedule by rearranging of session(s) by removing/adding anything from/to overall course, the course structure may differ center wise, Also this is to notify that Eisystems Technologies is nowhere specifying that center in Varanasi will be IIT (BHU) Varanasi campus, our center in Varanasi is different. Fees once paid will not be refunded, Please check our refund policy given on website before proceeding for payment. It is important to note that IIT (BHU) Varanasi or any of its body is not charging anything for this training program and whatever amount which you will be paying will either go to Eisystems Technologies or its associates or both.

COVID-19 Policy

No amount will be refunded in case of non conduction of program due to government guidelines for COVID-19 prevention and instead remaining / all sessions will be conducted online through mentor led training however we will also give flexibility to students/ attendee to continue the remaining session when things normalize at other center.

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