



Python Programming

2 Weeks / 30 Hours

Job oriented exhaustive program

Summer Internship & Training Program

Delhi NCR – Varanasi – Bengaluru – Lucknow - Bareilly – Bhopal – Bhubaneswar – Gorakhpur

Official Partner



EISYSTEMS SERVICES

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 Services 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
PDP- Indian Institute of Information Technology & Management, Jabalpur
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 CSE/IT/MCA/BCA/BSc IT/ECE/EEE/EN background are eligible to join this program. This is a basic level program.

What to bring during training program?

We expect participant to come with

1. A laptop with Microsoft Windows configuration.
2. Laptop Charger/ Adapter for charging purpose.
3. USB Mouse for designing purpose (if required).

Post Training Deliverables

Every participant will get all under mentioned deliverables

1. 30 hours classroom training by specialized trainer.
2. Certificate of Internship from Eisystems Services & Technex IIT (BHU) Varanasi.
3. Printed Study Material Booklet.
4. Eisystems Access ID Card & Stylish Storage Folder.
5. Notepad & Pen.
6. Guidance for Entrepreneurship in chosen field or employment support (if asked).
7. Chance to assist our trainer in our workshop(s) at IISc, IITs, NITs etc.

Fees & Discounts

There are multiple type of discount(s) available as mentioned below:-

Category 1: Single / Individual Entry

Installments	Amount
First Installment	Rs. 1000 per participant only
Second Installment	Rs. 5900 per participant only
Total Fees	Rs. 6900 per participant only

Category 2: Group Discount (2 to 4 Members Group)

Installments	Amount
First Installment	Rs. 1000 per participant only
Second Installment	Rs. 5700 per participant only
Total Fees	Rs. 6700 per participant only

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Category 3: Access Card Discount

This discount will be valid for all aspirants having EISystems Access Card or have participated in any workshop(s) / training program (online or classroom) delivered by EISystems Services, limited seats & subject to seat availability.

Installments	Amount
First Installment	Rs. 1000 per participant only
Second Installment	Rs. 5200 per participant only
Total	Rs. 6200 per participant only

Course & Content

All of the sessions will be practical oriented, kindly look on the syllabus which we are going to cover during training days.

Session 1

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

Session 2

- Memory Management and Garbage Collection
- Object Creation and Deletion
- Object Properties
- Data Types and Operations
- Numbers
- String Operations

Session 3

- List Tuple
- Dictionary
- Other Core Types

Session 4

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

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Session 5

- File Operations
- Opening a file
- Using Files
- Other File tools
- Python Check If File or Directory Exists
- Python COPY and PASTE File using `shutil.copy()`
- Python Rename File and Directory using `os.rename()`
- Python ZIP file with Example

Session 6

- Functions
- Function Definition and Call
- Function Scope
- Function Arguments

Session 7

- Modules and Packages
- Module Creations and Usage
- Types of package in Python
- Package creation
- Importing packages

Session 8

- Classes
- Classes and Instances
- Classes method calls
- Class methods
- Instance methods
- Static methods

Session 9

- OOPs concept
- Abstraction
- Encapsulation
- Polymorphism
- Types of Polymorphism
- Inheritance
- Types of inheritance

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Session 10

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

Session 11

- Accessing Internet Data with Python
- Manipulating XML with Python

Activities & Project Discussion

- Installing different libraries of Python
- Random Password Generator
- QR Code Generator
- Alphabetical Letter Pattern creation
- Sending Email or Whatsapp messages via Python code
- Speech Recognition
- Final Project Discussion

Disclaimer

Please make sure that IIT (BHU) Varanasi is nowhere charging any amount from any participant and this training/internship will be organised by Eisystems Services in association with Technex, an annual techno-management festival of IIT BHU Varanasi, it is to note that Technex is only responsible for providing certification to attending students and rest of the matters like marketing, operations, publicity, scheduling, payment processing, content development etc. will be taken care by Eisystems Services.

All of the matters/disputes related to internship/training needs to be addressed to Eisystems Services only. See our terms and conditions on www.eisystems.in/tnc.php and fees once paid is non refundable and non transferrable. Company reserves full right to withdraw any offer anytime without any prior notification, Also it is important to understand that center of internship in Varanasi will not be IIT (BHU) Varanasi and it will be at some other place in Varanasi itself.

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