Python Programming

4-6-8 Weeks / 30 Hours

Job oriented exhaustive program

Online Internship & Training Program

LIVE ONLINE TRAINING WITH PROJECT

Official Partner

EISYSTEMS SERVICES

FF-113, Express Greens Plaza, Sector 1

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

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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 Clientale

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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Internship & Training Program

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 is required for this training program?
We expect participant to have
1. A laptop with Microsoft Windows configuration along with Smartphone.
2. Laptop Charger/ Adapter for charging purpose.
3. USB Mouse for designing purpose (if required).
4. Internet Connectivity

Post Training Deliverables
Every participant will get all under mentioned deliverables

1. 30 hours online training by specialized trainer.
2. Certificate of Internship from Eisystems Services & Technex IIT (BHU) Varanasi.
3. Guidance for Entrepreneurship in chosen field or employment support (if asked).
4. Chance to assist our trainer in our workshop(s) at IISc, IITs, NITs etc.

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

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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

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

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Session 9
OOPs concept
Abstraction
Encapsulation
Polymorphism
Types of Polymorphism
Inheritance
Types of inheritance

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

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EISystems
Unconventional Ideas,
Systematic Approach.

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