



PYTHON TRAINING COURSE

About Infinitech Training Institute :

In the globalization polished opportunities are disclose in Multinational companies for the youth.

At Infinitech Training Institute Special efforts are taken to mould the candidate to rival the scholarly requirements.

Training and Placement Cell has its practice to enforce, to advance the goals exist, taking truthful efforts to extend the self belief., motivating candidates to exert themselves significantly in their career.

It motivates the indisputable year candidates for sponsored projects from the industries.



Course Technologies & Time Duration :

PYTHON COURSE (Approximate : **15-20 Hours**)

Course Main Content :

1. Introduction to Python

History, installation, IDEs, and writing your very first Python program.

2. Variables & Data Types

Integers, floats, strings, booleans, and type conversions explained clearly.

3. Operators

Arithmetic, comparison, logical, bitwise and assignment operators.

4. Conditional Statements

if / elif / else decision trees for building smart program logic.

5. Loops



for loops, while loops, break, continue, and nested loop patterns.

6. Functions

Defining functions, parameters, return values, *args, **kwargs and lambdas.

7. Lists & Tuples

Sequence types, slicing, list comprehensions and immutability concepts.

8. Sets & Dictionaries

Key-value pairs, nested dicts, dict comprehensions and common methods.

9. OOP in Python

Classes, objects, inheritance, polymorphism, encapsulation and abstraction.

10. File Handling

Reading and writing text/CSV/JSON files, context managers and pathlib.

11. Exception Handling

try/except/finally blocks, custom exceptions and robust error management.



12. Regular Expressions

Pattern matching and text extraction using the re module.

13. Python with Docx/PDF

Create, edit, and manage Word & PDF documents using python-docx, PyPDF2, and ReportLab.

14. Python with Excel

Read, write and automate Excel files using openpyxl and pandas.

15. Python with API Calls

Make REST API requests using the requests library and process JSON responses.

16. Python with Email

Send automated emails with attachments using smtplib.