

Python Training 20 Days Syllabus

1: Introduction

- Why do we need Python?
- Program structure

Execution steps

- Interactive Shell
- Executable or script files
- User Interface or IDE

2: Memory management and Garbage collections

- Object creation and deletion
- Object properties

Data Types and Operations

- Numbers
- Strings
- List
- Tuple
- Dictionary
- Other Core Types

3: Statements and Syntax

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

4: File Operations

- Opening a file
- Using Files

- Other File tools

Functions

- Function definition and call
- Function Scope
- Arguments
- Function Objects

5: Modules and Packages

- Module Creations and Usage
- Module Search Path
- Module Vs. Script
- Package Creation and Importing

6: Classes

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

7: Exception Handling

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

8: Advanced Concepts:

- Applications using Pandas
- PYCHARM IDLE

DURATION	PROJECTS COVERED	TRAINING DETAILS	FEEES
20 DAYS 3 hours per	4+ PROJECTS <ul style="list-style-type: none"> • GAME BUILDING USING PYTHON • Artificial Intelligence CHATBOT • Data Science using pandas • IOT using python 	Advanced Technology Oriented training will be provided Initially 4 Projects will be completely guided and ask the candidates to implement one more module in any one project	8000/-