

Python Core Training

- ❖ **Introduction to Python**
 - Python - The Universal Language
 - Installing Python
 - Python - *Hello World*
 - Using the Interpreter
 - Python - a better Python interpreter

- ❖ **Language Basics**
 - Variables
 - Numbers
 - String
 - Lists, Tuples and Dictionary
 - Scope of variables

- ❖ **Conditional Statements & loops**
 - If..statement
 - If...else statement
 - Elif statement
 - While loop
 - For loop

- ❖ **Functions**
 - The general syntax
 - Default values for arguments
 - Returning and receiving multiple values
 - Variable number of arguments
 - Scope revisited

- ❖ **Modularization of code**
 - Global and Local namespace
 - Introduction to modules
 - Using modules
 - Creating your own modules
 - Working with a third-party library

- ❖ **Files and Directories**
 - Reading Files
 - Writing Files
 - Handling I/O Errors
 - Higher level file operations
 - File and Directory comparisons

- ❖ **Exception Handling**
 - Exception handling basics
 - try...except

- ❖ **Object Oriented Programming Basics**
 - Introduction to OOPs
 - Classes and Objects
 - Instance methods and data
 - Initialization of objects
 - Inheritance
 - Multiple and Multilevel Inheritance
 - Method overriding

➤ Classes and Types