**Core Python**

Introduction

* Advantages of Python
* Installation
* Interaction (IDEs)
* Basic Syntax
* Variable and Data Types
* Operator

Conditional Statements

* If
* If- else
* Nested if-else

Looping

* For
* While
* Nested loops

Control Statements

* Break
* Continue
* Pass

Modules

* Importing module
* Packages
* Composition

String Manipulation

* Accessing Strings
* Basic Operations
* String slices
* Function and Methods

Lists

* Accessing list
* Operations
* Working with lists
* Function and Methods

Tuple

* Accessing tuples
* Operations
* Working
* Functions and Methods

Dictionaries

* Accessing values in dictionaries
* Working with dictionaries
* Properties
* Functions

Functions

* Defining a function
* Calling a function
* Types of functions
* Function Arguments
* Anonymous functions
* Global and local variables

Input-Output

* Printing on screen
* Reading data from keyboard
* Opening and closing file
* Reading and writing files
* Functions

Exception Handling

* Exception
* Exception Handling
* Except clause
* try ? finally clause
* User Defined Exceptions

OOPs concept

* Class and object
* Attributes
* Inheritance
* Overloading
* Overriding
* Data hiding