



(A Venture of Chandigarh ETC Services Pvt. Ltd.)

An ISO 9001:2015 Certified Organisation with Completely Online Management System

Website : www.citcchandigarh.com

Course Syllabus: Core Python

Batch Name: Core Python

Eligibility: 10th

Course Start: 1st of Every Month

Course Duration: 30Hours

Courses / Modules Paper

Paper 1
Core Python

Module 1

Paper 1: Core Python

1: Introduction to Python

- 1.1 History
- 1.2 Features
- 1.3 Setting up Path
- 1.4 Working With Python
- 1.5 Basic Syntax
- 1.6 Variables and Data types
- 1.7 Operators

2: Control Statements

- 2.1 if Statement
- 2.2 if-else Statements
- 2.3 Nested if-else

3: Looping

- 3.1 For Loop
- 3.2 While Loop
- 3.3 Nested Loops

4: Control Statements

- 4.1 Break
- 4.2 Continue
- 4.3 Pass

5: String Manipulation

- 5.1 Accessing Strings
- 5.2 Basic Operations
- 5.3 String Slices
- 5.4 Functions and Methods

6: Lists

- 6.1 Introduction
- 6.2 Accessing List
- 6.3 Operations
- 6.4 Working with Lists
- 6.5 Functions and Methods

7: Tuple

- 7.1 Introduction
- 7.2 Accessing Tuples
- 7.3 Operations
- 7.4 Working
- 7.5 Functions and Methods

8: Dictionaries

- 8.1 Introduction
- 8.2 Accessing Values in Dictionaries
- 8.3 Working with Dictionaries
- 8.4 Properties
- 8.5 Functions

9: Functions

- 9.1 Defining a Function
- 9.2 Calling a Function
- 9.3 Types of Functions
- 9.4 Functions Arguments
- 9.5 Anonymous Function
- 9.6 Global and Local Variables

10: Modules

- 10.1 Importing Modules
- 10.2 Math Module
- 10.3 Random Module
- 10.4 Packages
- 10.5 Composition

11: Input-Output

- 11.1 Printing on Screen
- 11.2 Reading Data From Keyboard
- 11.3 Opening and Closing File
- 11.4 Reading and Writing Files
- 11.5 Functions

12: Exception Handling

- 12.1 Exception
- 12.2 Exception Handling
- 12.3 Except Clause
- 12.4 Try? Finally Clause
- 12.5 User Define Exception