

Python (Core & Advance)

Python is a general-purpose interpreted, interactive, object-oriented, and high-level programming language. It was created by Guido van Rossum during 1985-1990. Like Perl, Python source code is also available under the GNU General Public License (GPL). Python's elegant syntax and dynamic typing together make it an ideal language for scripting and rapid application development in many areas and platforms. Python supports modules and packages that encourage program modularity and code reuse. The Python interpreter and the extensive standard library are accessible in source or in binary form without charge for all key platforms and can be freely distributed.

Innovitt Global offers training in advanced Python concepts and its implementation in live projects. Our course content covers the requirements of current IT industry to provide students with the best opportunity to learn. We have best professional trainers for Python training in Lucknow who are experts with hands on ongoing Python, which gives Innovitt Global a competitive advantage over the other training institutes or company.

Python Course Syllabus

Duration 01-02 Months

Introduction

- Concepts of Programming
- History of Python
- Key Features of Python
- Python Implementation
- Modes to Run Python

Data Types

- None (Null) & Bool
- Numeric(int/float/complex)
- String Operations
- String Formatting
- Next & Ranges

Set

- Introduction Set
- Accessing Set
- SetOperations
- Useful Function & Methods

Functions

- Functions & Its Types
- Defining & Calling Function
- Function Argument Type
- Global & Local Variables
- Anonymous Functions

Working With Python

- Keywords & Identifiers
- Basic Syntax & Semantics
- PInderation & Comment
- Operator in Python
- Variable & Data Types

List

- Introduction to List
- Accessing List
- ist Operations
- Useful Function & Methods

Dictionarie

- Introduction to Dictionarie
- Accessing Dictionarie
- Dictionarie Operations
- Useful Function & Methods

Modules

- Python Modules & Packages
- Creating Modules
- Importing Module
- Introduction to PIP
- Standard Library Modules

Control Flow

- Selection & Looping
- If, Elif & Else Statements
- Nesting of If-Else
- For, While & Else Loop
- Break, Continue & Pass

Tuple

- Introduction to Tuple
- Accessing Tuple
- Tuple Operations
- Useful Function & Methods

Input-Output

- Printing on Screen
- Reading Data From Keyboard
- Opening & Closing a File
- Reading & Writing a File
- Appending & Challenging

Object Oriented

- Overview of OOPs
- Creating Classes & Objects
- Constructor Method
- Inheritance & Polymorphism
- Overriding & Overriding

Python Course Syllabus

Duration 03-06 Months

Miscellaneous

- What is Exception Handling?
- Try, Except & Finally Clause
- User Defined Exceptions
- What is Multithreading?
- Threading Module
- Synchronizing Threads
- Regular Expressions
- Matching & Searching Function

HTML-5

- Introduction to HTML
- Title/Link/Styles/Script/Meta
- Formatting Tags
- List (OL/UL)
- Tables & Div
- Images & Hyperlink
- Form / Iframe

Django

- Introduction to Web Technology
- Starting with Django 2.0+
- Difference Between App & Project
- MVT Design Pattern
- Migrations & URL Routing
- How to Configure Template
- Django Admin Customization

GUI Application (TKinter)

- Introduction to TKinter
- Tk Provides Widgets & Window
- Putting & Making Icons as Buttons
- Geometry Managers (Place, Grid & Pack)
- Menu-Bar Creation
- Alert & Message Box
- GUI Project using Tkinter
- Creating .exe Installer

CSS & Bootstrap

- Introduction
- Selectors, Properties & Curso
- Lists Tables & Box Modelr
- Floats & Positioning
- Bootstrap Framework
- Media Responsiveness
- Grid & Components

Assignments

- Implementing HTML Form in ASP
- Alert & Notification Using JS
- Working with Image & Media
- Implementing Responsiveness
- Performing CRUD Operations in SQL
- Slicing PSD to HTML
- Creating UI, Links & Navigation

My-SQL

- Introduction to MySQL
- Basic SQL Query Syntax
- DDL & DML Oepration
- Conditional Statement
- Operators & Clause
- Key Constraints & Joins
- Overview of NoSQL
- Integrating Python with NoSQL

JavaScript

- Introduction JS
- Variable Declaration
- Operators
- Control Statements
- Understanding Arrays
- Function Declaration
- Built In Functions

Live Project

- Debugging & Execution App
- Configuring Django Servers
- Publishing & Deploying to Server
- Admin Panel (Creating Superuser)
- Server
- Authentication in Django Project Helps to Registration Redux Module