



Course: Python/Django

Duration: 60 Hrs (Changeable) | Fees: Individual / Batch

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Our Courses/Internship

- Python/Django Fullstack
- Artificial Intelligence
- Machine Learning
- Data Science
- Software Testing (All)
- Wordpress, Woocommerce
- Digital Marketing, SEO
- Php/MySQL, Laravel
- Flutter, Android, IOS
- Asp.net MVC
- Web Design, Javascript
- Angular JS, React JS
- CCNA, MCSA, CCNP
- AWS, GCP, Azure
- Odoo, SalesForce, Sap
- Microsoft Excel
- Ethical Hacking



Syllabus on the Next Page ..



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Introduction to Python

- ***** History
- * Features
- * Installation
- * Operators
- * Variables

Introduction to Datatypes

- * Python numbers
- * Python strings
- * Python lists
- * Python tuples
- * Python dictionary

Programming Concepts

- * If statements
- * If else
- * Else if statements
- * While loop
- * For loop

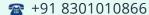
Functions and Modules

- * Defining a function
- * Calling a function
- * Function arguments
- * Importing modules

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* Built in modules

Object Oriented Programming

- * Class and objects
- * Super and sub class
- * Constructor
- * Inheritance

Files and Exception Handling

- * Opening and closing a file
- * Reading and writing on a file
- * File methods
- * Exception handling
- * Raising an exception

GUI Development using Tkinter

- * Introduction to Tkinter
- * Tkinter programming
- * Tkinter widgets
- Standard attributes
- * Geometry management

Basic Widgets and Advanced Widgets

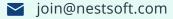
- * Using radio buttons
- * Using check box
- * Spin box

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- * Scroll bar and slider
- * List widget
- * Display system clock time
- * Working with calendar
- * Combo box
- Displaying table
- * Displaying graphics

OS Module and Network Programming

- * Environment
- * Directory Commands
- * Miscellaneous OS Calls and Walking through Directories
- * Network programming and Introduction

SQL and SQL Constrains

- * Introduction
- * DDL commands
- * DML commands
- * SQL statements , operators, clauses
- * Aggregate functions

Database Handling with SQL Lite

- * Database maintenance through console based programs
- * Database maintenance through GUI based program

MongoDb with Python

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- * MongoDb installation
- * MongoDb Compass
- * MongoDb Data Modeling
- * MongoDb Connectivity
- * MongoDb CRUD operations

Firebase Realtime Database

- * Fire base Installation
- * Environment setup
- * Introduction to JSON
- * CRUD operations

Introduction to Web designing

- ***** HTML
- * CSS

Introduction to Client Side Scripting

- * Java script
- * jQuery
- * Bootstrap

Basic Study of Django Framework

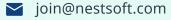
- * What is Django?
- * Where did it come from?
- * What does Django code look like?
- * Installing Django

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Django Templates and Form Details

- * What is Django?
- * Where did it come from?
- * What does Django code look like?
- * Installing Django

Django Admin Customization

- * Where did it come from?
- * Registering models
- * Creating a super user
- * Logging in and using the site
- * Advanced configuration

Rest APIs and User Authentication

- * Project setup
- * Views
- ***** URL's
- * Settings
- * Testing our API
- * Enabling authentication
- * Creating users and groups
- * Setting up your authentication views
- * Permissions

Deploying Django Framewok

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- * Production environment
- * Choosing a hosting provider
- * Getting your website ready to publish
- * Installing local library

Python FLASK Framewok

- * Introduction
- What Is Flask
- Why Use Flask?
- * Installing Flask
- * Setting Up Our Development Environment
- * Locally Using our Operating System

Introduction to Virtual ENV and PIP

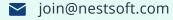
- * Locally Using Docker
- * Using a Cloud-Based IDE
- * The Code Editor
- * Installing Flask
- * Our Initial App
- * Debugging
- * Routing
- * Using url_for
- * The GET method
- * The POST method

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Advanced Python Concepts

(Click on Course for more details)

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- Thank You -

N.B:This syllabus is not final and can be customized as per requirements / updates.

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