



Course: Python/Django

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

Since 2007, Nestsoft TechnoMaster has been providing training, internships, and services in IT technologies, both online and offline, with the expertise of over 250 industry experts. We have delivered internships, training, and seminars to more than 50,000 students, resulting in numerous success stories. We offer 100% placement support through JobsNEAR.in

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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HTML 5 (5 Hours)

CSS (5 Hours)

Bootstrap (5 Hours)

Javascript (5 Hours)

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

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

Importing modules

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

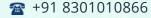
GUI Development using Tkinter

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

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Basic Widgets and Advanced Widgets

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

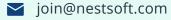
- * Introduction
- * DDL commands
- * DML commands
- * SQL statements , operators, clauses
- * Aggregate functions

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Database Handling with SQL Lite

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

MongoDb with Python

- * 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

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

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

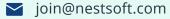
- * Project setup
- * Views
- * URL's
- * Settings
- * Testing our API
- * Enabling authentication

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- * Creating users and groups
- Setting up your authentication views
- * Permissions

Deploying Django Framewok

- * 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

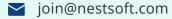
- * Locally Using Docker
- * Using a Cloud-Based IDE
- The Code Editor
- * Installing Flask
- * Our Initial App
- * Debugging

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- * Routing
- * Using url_for
- * The GET method
- * The POST method

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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