Since 2007, Making IT Experts & Products

### **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



Attend a FREE Trial Class 1000+ Success Stories

NESTSOFT

### Syllabus on the Next Page ..

Our Head Office: Nestsoft TechnoMaster, Infopark, Cochin - 42, Kerala, India

+91 9895490866

+91 8301010866

join@nestsoft.com

www.nestsoft.com

Our Placement Website: JobsNEAR.in

Since 2007, Making IT Experts & Products

**TechnoMaster** 

#### 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

Our Head Office: Nestsoft TechnoMaster, Infopark, Cochin - 42, Kerala, India

<b>*</b> +9	1 989	5490866
-------------	-------	---------

+91 8301010866

join@nestsoft.com

www.nestsoft.com

NESTSOFT

Since 2007, Making IT Experts & Products

#### 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

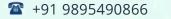
#### **GUI Development using Tkinter**

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

#### **Basic Widgets and Advanced Widgets**

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

Our Head Office: Nestsoft TechnoMaster, Infopark, Cochin - 42, Kerala, India



+91 8301010866

join@nestsoft.com

www.nestsoft.com

NESTSOFT

Since 2007, Making IT Experts & Products

- \* 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

Our Head Office: Nestsoft TechnoMaster, Infopark, Cochin - 42, Kerala, India

	+91	9895490866
--	-----	------------

🕋 +91 8301010866

join@nestsoft.com

www.nestsoft.com

NESTSOFT

Since 2007, Making IT Experts & Products

- \* 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

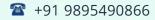
#### Introduction to Client Side Scripting

- # Java script
- и jQuery
- \* Bootstrap

#### **Basic Study of Django Framework**

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

Our Head Office: Nestsoft TechnoMaster, Infopark, Cochin - 42, Kerala, India



🕋 +91 8301010866

join@nestsoft.com

www.nestsoft.com

NESTSOFT

Since 2007, Making IT Experts & Products

#### **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**

Our Head Office: Nestsoft TechnoMaster, Infopark, Cochin - 42, Kerala, India



**1 +91 8301010866** 

join@nestsoft.com

www.nestsoft.com

NESTSOFT

Since 2007, Making IT Experts & Products

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

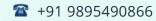
#### **Python FLASK Framewok**

- \* 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

Our Head Office: Nestsoft TechnoMaster, Infopark, Cochin - 42, Kerala, India



+91 8301010866

join@nestsoft.com

www.nestsoft.com

**Training by Industry Experts** 

NESTSOFT

**TechnoMaster** Since 2007, Making IT Experts & Products

#### **Advanced Python Concepts**

(Click on Course for more details)

**Course: Python/Django** 

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

### - Thank You -

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

Our Head Office: Nestsoft TechnoMaster, Infopark, Cochin - 42, Kerala, India

🖀 +91 9895490866 🕿 +91 8301010866 🗹 join@nestsoft.com 🌐 www.nestsoft.com

Our Placement Website: JobsNEAR.in



NESTSOFT