



Python Django Certification Training

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About the Program

Intellipaat's Django course makes you master the Django REST framework, Django models, Django AJAX, Django jQuery, etc. In this best Python Django course, you will learn about the web framework by doing real-time industry projects with top industry mentors. Earn Intellipaat's Python Django certification now!

About Intellipaat

Intellipaat is one of the leading e-learning training providers with more than 600,000 learners across 55+ countries. We are on a mission to democratize education as we believe that everyone has the right to quality education.

Our courses are delivered by subject matter experts from top MNCs, and our world-class pedagogy enables learners to quickly learn difficult topics in no time. Our 24/7 technical support and career services will help them jump-start their careers in their dream companies.

Key Features



**32 HRS INSTRUCTOR-LED
TRAINING**



64 HRS SELF-PACED TRAINING



**REAL-TIME
PROJECT WORK**



LIFETIME ACCESS



24/7 TECHNICAL SUPPORT



**INDUSTRY-RECOGNIZED
CERTIFICATION**



**JOB ASSISTANCE THROUGH
80+ CORPORATE TIE-UPS**



FLEXIBLE SCHEDULING

Career Support



SESSIONS WITH INDUSTRY MENTORS

Attend sessions from top industry experts and get guidance on how to boost your career growth



MOCK INTERVIEWS

Mock interviews to make you prepare for cracking interviews by top employers



GUARANTEED INTERVIEWS & JOB SUPPORT

Get interviewed by our 400+ hiring partners



RESUME PREPARATION

Get assistance in creating a world-class resume from our career services team



Why take up this course?

- The popularity of Python Django is growing at an exponential rate – Indeed
- The average salary of a Django professional is around US\$120,000 per year – Business Insider
- Leading companies of the world leverage the benefits of Django – Gartner

Hence, this Python Django training will help you be up and running in the most demanding professional skills. Almost all top MNCs are trying to implement Django, and there is a huge demand for certified Django professionals. Our online training will help you learn Django and upgrade your career in the Python landscape.

Who should take up this course?

This training can be taken up by individuals ranging from students to IT professionals who are keen to revamp their existing skills and build a career by:

- Developing web applications using Python
- Functioning as QAs, Architects, or Project Managers in companies that leverage Python for developing websites

Program Curriculum

Python Django Training Course Content

- **INTRODUCTION TO THE BASICS OF PYTHON**

- 1.1 Explaining Python and highlighting its importance
- 1.2 Setting up a Python environment and discussing the flow control
- 1.3 Running Python scripts and exploring Python editors and IDEs

- **SEQUENCE & FILE OPERATIONS**

- 2.1 Defining reserve keywords and command-line arguments
- 2.2 Describing flow control and sequencing
- 2.3 Indexing and slicing
- 2.4 The xrange() function
- 2.5 Working around dictionaries and sets
- 2.6 Working with files

- **FUNCTIONS, SORTING, ERRORS & EXCEPTION, REGULAR EXPRESSIONS, & PACKAGES**

- 3.1 Explaining functions and various forms of function arguments
- 3.2 Learning variable scope, function parameters, and lambda functions
- 3.3 Sorting using Python
- 3.4 Exception handling
- 3.5 Package installation
- 3.6 Regular expressions

- **PYTHON: AN OOP IMPLEMENTATION**

- 4.1 Using classes, objects, and attributes
- 4.2 Developing applications based on OOPs
- 4.3 Learning about classes and objects and how they function together
- 4.4 Explaining OOPs concepts, including inheritance, encapsulation, and polymorphism, among others

- **DEBUGGING & DATABASES**

- 5.1 Debugging Python scripts using PDB and IDE
- 5.2 Classifying errors and developing test units
- 5.3 Implementing databases using SQLite
- 5.4 Performing CRUD operations

- **INTRODUCTION TO THE DJANGO FRAMEWORK**

- 6.1 Explaining the web framework and the MVC pattern
- 6.2 Creating a basic Django app and views
- 6.3 Using HTTP request and URLCONF
- 6.4 Creating a simple view using Django

- **TEMPLATES & FORMS**

- 7.1 Explaining the Django template system
- 7.2 Loading template files and rendering templates
- 7.3 Creating forms and processing form data
- 7.4 Creating form field normalization
- 7.5 Creating forms that can accept personal data from users

- **MODELS & DYNAMIC WEB PAGES**

- 8.1 Defining database models and using model fields
- 8.2 Using Query Sets for data retrieval
- 8.3 Using jQuery and AJAX with Django for creating websites

- **SERIALIZATION**

- 9.1 Explaining the concepts of data serialization
- 9.2 Using the REST framework
- 9.3 Using serializers, deserializers, and model serializers
- 9.4 Creating REST APIs

- **PARSING XML & JSON WITH PYTHON**

- 10.1 Describing JSON and XML file formats
- 10.2 Explaining XML-RPC
- 10.3 Parsing objects to XML and JSON and back, respectively

10.4 Parsing data stored in XML/JSON format to native Python type and reversing the same

Project Work

Python Django Projects

Web Application Code (Capstone)

Project 01: Building a Website Using the Django Framework

Industry: Information Technology

Problem Statement: Build a web application on the Django web framework where users can post their ideas

Topics: In this project, you will work on the Django Rest framework to create a web application that fulfills the following:

- It should have a dashboard (home page) showing the latest posts, and the posts should be sorted by date.
- To post a new idea, you must be a registered user.
- As a user, you must be logged in to view your profile in the navigation bar.
- You can post new ideas from your profile.
- Published ideas should be stored in a database.
- The latest posts from the database should be displayed on the dashboard. Once done, the user should be able to log out.

Highlights:

1.1 Django installations and related packages

1.2 Django Rest framework

Certification

After the completion of the course, you will get a certificate from IntelliPaat.



CERTIFICATE OF COMPLETION

This certificate is awarded to

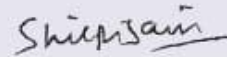
Your Name

Who has successfully completed

Course Name

Fulfilling all the requirements stipulated by IntelliPaat to achieve professional excellence.

Issued Date: Month XX, XXXX



Mrs. Shilpi Jain
Director,
intellipaate Software Solutions Pvt. Ltd.

VERIFIED
CERTIFICATE

Certificate ID #94658291

Success Stories



Kevin K Wada

Thank you very much for your top-class service. A special mention should be made for your patience in listening to my queries and giving me a solution, which was exactly what I was looking for. I am giving you a 10 on 10!



Sampson Basoah

The Intellipaate team helped me in selecting the perfect course that suits my profile. The whole course was practically oriented, and the trainers were always ready to answer any question. I found this course to be impactful. Thank you.



Sugandha Sinha

Intellipaate's course instructors were excellent and well-versed with their concepts. The support team solved all my queries within the promised 24 hours. They explained all topics and concepts well, and the course material was updated and included videos, exercises, etc. I would highly recommend Intellipaate to those who wish to excel in the IT field.

CONTACT US

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If you have any further queries or just want to have a conversation with us, then do call us.

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