

# Django Course Syllabus

Django is an open-source python web framework used for rapid development, pragmatic, maintainable, clean design, and secures websites.

The main goal of the Django framework is to allow developers to focus on components of the application that are new instead of spending time on already developed components.

## Main Uses of Django

- **Easy to Use**

Developed and maintained by a large community of developers, means documentation is more than easy to find.

- **Application Development**

The framework has templates, libraries, and APIS, which work together.

- **Scalable and Reliable**

Django applications deployed then they can be managed by an authorized developer with a single command in a cloud environment.

## Django Course Syllabus

- Web Development Introduction

Backend, Frontend definition.

- Django Introduction

Django, history and uses.

- Relationships and and Hyperlinked API's

Dealing with relationships between entities is one of the more challenging aspects of Web API design. (Theory + Practical)

- First Website with Django

Initiate first project (Theory + Practical).

- Creating First Page.
- Django Forms Creation.
- Django Email Functionality and Authentication.
- Django Admin Panel Control.
- Django Template Language.
- Integrating Frontend (Bootstrap) with our project.
- User's Sessions and Cookies.
- Databases uses with Django.
- Integrate our project.

## Target Audience

This course is fully practical means audience should be able to catch up with our help. It's recommended to have a python background. Besides, any student with who is familiar with other languages can catch up with this course.

## Notes

- This course is pure practical means students should have their laptops or desktops to practice.
- Incase most students don't have python background, an intro python session by the beginning of the course is recommended.