

Django

Course Duration: 20 Hr.

Pre-Requisites

Good Knowledge of python

1) Django – An Introduction

- What is Django ?
- Features of Django
- Advantage of Django
- MVC & MVT
- Installing Django

2) Django – Views

- Your First View
- Mapping urls to Views
- How django process a request..?
- Urlpatterns
- Regular expressions
- 404 Errors

3) Django – Templates

- Template Basic
- Dictionaries and Contexts
- Built-in Tags & filters
- Custom Tags & filters
- Using Templates in Views

4) Django – Models

- Define models
- Setting up database access
- Creating django apps
- Defining model fields
- Creating a model
- How to create tables for models in Database
- Adding Model String Representations
- Inserting & updating Data
- Filtering Data
- Ordering Data
- Slicing Data

➤ Deleting Objects

5) Django – Admin Interface

- Enabling admin interface
- Creating admin user

6) Django – Forms

- Forms in Django
- Searching Query
- GET & POST methods
- Form fields in Django
- Simple validation
- Custom Validation
- Building a form in Django
- Placing form instance into the templates context

7) Django – User Authentication

- User objects
- Using the Django authentication system
- Authentication Views
- Extending the existing User model
- Build a login-logout application

➤ Django – Class-Based Views View()

- TemplateView()
- CreateView()
- ListView()
- DetailView()
- FormView()
- UpdateView()
- DeleteView()

8) Django – Pagination

- Function based pagination
- Class based pagination

9) Django – Mail Sending

- Configure email setting
- Send_mail funtion

10) Django – Generating output in other format

11) Django – Session Framework

- Introduction about Sessions & cookies
- How to use sessions.?
- Using sessions in views
- Authentication in web requests
- Login & Logout with session

12) Django – Django Middleware

- Activating middleware
- Write your own middleware
- Expire session due to inactivity

13) Django – Django Rest API Framework

14) Django – Deploying Django Project

15) Django – Projects

ASKME TRAINING