



IT EDUCATION
CENTRE

Django



Django Prerequisite:

Introduction to HTML5, CSS3 and Bootstrap

Django Framework

- ▶ Introduction to Django
- ▶ Installing Django
- ▶ Setting up a database
- ▶ Starting a project
- ▶ Difference between a App and a Project
- ▶ Role of Flask and Django

Basics of Dynamic Web Pages

- ▶ Dynamic Content
- ▶ Mapping URLs to views
- ▶ Request Processing by Django
- ▶ A overview of settings file in Django
- ▶ Pretty Error Pages

The Django Template System

- ▶ **Template System Basic**
- ▶ **Using Template System**
- ▶ **Basic Template and Filters**
- ▶ **How to Configure Template**
- ▶ **Template Loading**
- ▶ **Template Inheritance**
- ▶ **Course Name**

Interacting with databases

- ▶ **Dumb way**
- ▶ **MTV way**
- ▶ **Configuring the database**
- ▶ **Defining Models in Python**
- ▶ **Selecting and Deleting Objects**
- ▶ **What are Migrations and Why we do that**

The Django Administration site

- ▶ **Activating the admin interface**
- ▶ **Using the admin interface**
- ▶ **Customizing the interface**
- ▶ **Admin part (How to create Superuser in Python)**
- ▶ **What are Models?**
- ▶ **Models and Admin Linkup**
- ▶ **Modelform creation**

Form Processing

- ▶ **Creating a feedback form**
- ▶ **Custom look and feel**
- ▶ **Creating Forms and models**
- ▶ **Form Validation**
- ▶ **What is Context in Django**
- ▶ **Custom Form**
- ▶ **How to setup Email in our Projects**

Advanced Views and URLconfs

- ▶ Streamlining Function Imports
- ▶ Using Named Group
- ▶ Capturing Texts in URLs
- ▶ URL Routing
- ▶ What is Render and relative import
- ▶ URL names as Links

Generic Views

- ▶ Using Generic Views
- ▶ Generic Views of objects
- ▶ Course Name
- ▶ Extending Generic Views

Extending Template Engine

- ▶ **Template Language Review**
- ▶ **Request Context and Processor**
- ▶ **Inside Template Loading**
- ▶ **Extending Template System**
- ▶ **Writing Custom Template Loaders**

Sessions and Registration

- ▶ **Djangos Session Framework**
- ▶ **Users and Authentication**
- ▶ **Permissions, Groups, Messages and Proles**
- ▶ **How to add Authentication in Django Project with help of Registration Redux module**

GitHub

- ▶ **Creating a Git Account**
- ▶ **Cloning the repository**
- ▶ **Adding the file**
- ▶ **Committing the file**
- ▶ **Git push**
- ▶ **Removing the file**