

Django

Mode of Training: Online, Classroom, Corporate

Faculty: Mr. PHANI

Course Duration: 45 Days

Course Curriculum



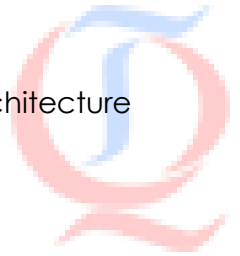
Django Frame Work

1. Django Web Framework

- What is a Framework
- Introduction to Django
- Django –Design Philosophies
- History of Django
- Why Django and Features
- Environment setup
- Web Server

2. MVC Pattern

- MVC Architecture vs MVT Architecture
- Django MVC –MVT Pattern



3. Getting Started with Django

- Creating the first Project
- Integrating the Project to IDE
- The Project Structure
- Running the server
- Solving the issues and Migrations
- Database Setup
- Setting Up Your Project

4. Create an Application

- What Django Follows

- Structure of Django framework
- Model Layer
- What are models
- Model fields
- Query sets

5. Front End tools

- Using HTML in Django
- Using CSS in Django

6. Django –Admin Interface

- Using the admin interface
- Customizing the admin interface

7. Views Layer

- Simple View
- Basic view(displaying hello world)
- Functional views, class based views



8. Django –URL Mapping

- Organizing Your URLs
- Role of urls in Django
- Working urls
- Forms
- Sending Parameters to Views
- Templates layer
- The Render Function

9. Django Template Language (DTL)

- if/else
- For
- Comments
- Filters
- Using templates to display data in the site.

10. Django – Models

- Creating a Model
- Manipulating Data (CRUD)
- Linking Models

11. Django – Sending E-mails

- Sending a Simple E-mail
- Sending Multiple Mails with `send_mass_mail`
- Sending HTML E-mail
- Sending HTML E-mail with Attachments



12. Django – Forms creation

- Forms basics
- Creating contact US form
- Form field examples

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