

DJANGO SYLLABUS

1. Introduction to Django frame work
2. Features of Django
3. Web application, Web Client, Web Server, Data base
4. Introduction to HTML, CSS, Java script, Bootstrap
5. Frontend and backend applications
6. Client and Server Architecture
7. Django Request and Response
8. MVT architecture
9. Installation of Pycharm/ATOM IDE
10. Installation of Django
11. Django Commands
12. Creating Django Project
13. Django Project V/S App
14. Execution Flow of Django Application
15. Django Template Language.
 - variables and tags
 - if
 - if-else
 - if - elif-else
 - for loop
 - comments
16. Working with static files
17. Function based views
18. Django Database Queries
19. HTTP Request and Response
20. Sending data from view to template.
21. Sending data from template to view.
22. URL mapping
23. Django Middle wares
24. Installed apps in Django
25. CSRF token
26. Models
27. Forms
28. Templates
29. GET and POST
30. Adding forms to template
31. Connecting Django application with Data base (SQLite)
32. Database Connectivity
33. Migrations

34. Saving objects into database.
35. Fetching all objects from database.
36. Filtering objects from database.
37. Modifying objects of database.
38. Deleting objects of database.
39. Working with Super User or Admin
40. Registering models in admin
41. CRUD operations using Admin
42. Class based views
43. Function based views V/S Classes based views
44. View
45. Template View
46. Redirect View
47. List View
48. Detail View
49. Form View
50. Create View
51. Update View
52. Delete View
53. Difference between Forms and ModelForms
54. Files and images uploading and downloading
55. Cookie
56. Session
57. Pagination
58. Paginator and its methods
59. LoginView, LogoutView with registration
60. Login and logout with Authentication
61. Django ORM
62. Django Middlewares
63. Django Project

