**DJANGO by: MR.L Chanti**

**DJANGO WITH REAL TIME PROJECT**

1. Prerequisites for Django

* Python functional & object oriented programming
* Introduction to Web Development
* Introduction to HTML, CSS, JS, BOOTSTRAP

1. Introduction to Frameworks
2. MVC and MVT architectures
3. Introduction to Django
4. Django setup
5. Creating a Django Project
6. Django Project Structure
7. Working with Views
8. Working with Templates

10. URL mappings

11. Working with DTL

12. Working with Models & ORM support

### 13. Working with Static Files

14. Working with Admin Interface

### 15. Django Forms and Model Forms

16. Exception Handling in Django

17. Form validations in Django

18. Working with Page Redirection

19. State Management techniques

* + Cookies
  + Sessions
  + URL rewriting
  + Hidden Form fields

### 20. Django CRUD Operations

* What is CRUD?
* CREATE
* READ
* UPDATE
* DELETE
* CRUD with Project

### 21. Introduction to REST API (Restful Services)

* What is REST?
* What is API?
* What is JSON?
* HTTP Status Codes?
* HTTP Methods for RESTful Services
* POST
* PUT
* GET
* DELETE

**22. Real time Tools**

1. Repository tool : Git and BitBucket
2. Testing tool : UnitTest and PyTest
3. Build tool : Pybuilder
4. Logger tool : Python logging
5. API testing : Postman
6. CI & CD pipeline : Jenkins
7. Project Management tool : JIRA

**23. Web Project Implementation**

24. Resume Preparation

25. Interview Questions

* + Project Manager round questions
  + Technical round questions