Django Curriculum

Introduction to Django:

What Web Framework is?
What is MVC pattern?
What is MVT pattern?
History about django
Installation
Versions
Features of Django

Django Architecture:

MVC vs MVT
Django vs Flask

Django Project:

Creation of project
Project Structure
What each file do?
Creation of app
App structure

Templating

How Templating works?
How to load templates?
Render templates
Django templating language
Forms and redirections
Template Inheritance

Django Forms

How HTML Forms works?
How Normal Forms Works?
How Model Forms Works?
Form Validations

Models

What Django Model are?
How it works with databases?
Model Inheritance
Model Fields
Multiple Model Relations
ORMS

FieldLookups
Ways of writing ORMS

Views:
Function Based Views
Class Based Views
Class Based Generic Views
Customising Class Based Views
Redirect, Render etc.,

Messages:
Django Inbuilt Messaging
Adding django messages with Bootstrap

Crispy Forms:
Bootstraping Django forms.
Crispy tag in Templates
Crispy tag in foms.py

Email Sending:
Django Email sending with send_mail
Sending Attachment to mail with Emailmessage

Django Authentication:
Login and Logout with Django
Inbuilt User Model
Forgot Password with OTP to email
Update Password.

Static Files:
Creating Static Files
Loading Static files in Templates.
Image files in Templates.

Deployment:
Deploy django in Pythonanywhere

Rest-framework:
What Rest-framework is?
How to Create Apis?
Different Apis in Django

Function based Apis:
What function based apis are?

How to create them?

Class based Apis:
What class based Apis are?
How to create them?
Overriding Class based apis

Generic Apis:
What generic Apis are?
How to create them?
Customizing Generic Apis

ModelViewsets:
What ModelViewsets?
How to Use Them?
Customizing ModelViewset.

Testing the Apis:
Testing with Postman
Testing with Django rest-framework UI

Automate Api Documentation:
Swagger Documentation

Projects:
Employee Information Tracking