**Django Training**

**Startup:**

* Django Project Structure and Apps
* Django Basic Commands

**Models:**

* Django Models Structure
* Django Models Fields
* Django Models Methods
* Django \_\_str\_\_ method
* Django Models Unique Constraint
* Django Abstract and Base Model
* Django Model Indexing
* Django Models relationship(Forignkey,OneToOne,ManyToMany)
* Django Foreignkey Reverse relation(related\_name)
* Django Fields Attributes
* Django Models Validations
* Django Models UUID Primary key Field
* Django Custom Primary Key Field
  + - Slug Field and Auto-Populated Fields
* Django Date, DateTime, and Duration Field

**Views:**

* Django Functional View (definition based)
* Django Class-Based View
* Django Generic Views
* Django CRUD With(Functional,Class and Generic view based)
* Django CRUD with Forms
* Django CRUD with HTML Forms(Custom Forms)
* Django Redirection(render,redirect,HttpResponse,HttpResponseRedirect and JsonResponse

**Query:**

* Django Get all Objects from Models (.all())
* Django Filter Objects Based on Field(.filter())
* Django Get One Object From Model(.get())
* Django Prefetch Related
* Django Select Related
* Django Filter with gte and lte
* Django Filter with range
* Django Filter with in attributes

**Forms:**

* Django Model Forms
* Django Custom Forms
* Django Forms with Widget
* Django Form Field Attributes
* Django From Custom Methods
* Django Form Validation
* Django Form With Bootstrap Classes

**URLs:**

* Django Url Mapping
* Django Url With Primary Key (Int)
* Django Url With UUID
* Django Url With String (str)
* Django Url With Slug (slug)
* Django Url With Static File and Media File
* Django App Url Mapping With Project Url

**Staticfiles:**

* Django Static File Configuration
* Django Root Based Static
* Django App-Based Static
* Django STATIC\_ROOT and STATIC\_URL
* Django STATIC\_DIR settings
* Django Template Tag for Static Files(load static)

**Templates:**

* Template Directory For Project Root and Apps Root
* Django Jinja Syntax (loops,if-else, and tags)
* Template Integration For views
* Template Inheritance with extending and include
* Django Custom Template Tags

**Django-Admin:**

* Django Admin Models Registration
* Django Admin Customization
* Django Custom Admin Methods

**Authentication:**

* Django In-built Authentication (registration, login and logout)
* Django Custom Registration
* Django Custom Login,Logout
* Django Auth Redirection

**Decorators:**

* Django Login Required Decorator
* Django Permission Required Decorator
* Django Custom Decorator

**Management-Commands:**

* django-admin startproject <project-name>
* django-admin startapp <app-name>
* Python manage.py runserver
* Python manage.py makemigrations
* Python manage.py migrate
* Python manage.py collectstatic
* Python manage.py check --deploye
* Python manage.py createsuperuser
* Python manage.py shell