RED & WHITE ®
One Step In Changing Education Chain...
GROUP OF INSTITUTE

FACULTY NAME																		
STARTING DATE	D	D	-	M	M	-	Y	Y	GRID									
ENDING DATE	D	D	-	M	M	-	Y	Y	B. TIME		H	H	:	M	M			

STUDENT NAME												GOOGLE CLASSROOM CODE					

DJANGO
TOTAL DAYS: ____ / 65

LEC.	TOPIC	DATE	P/A	DAY	FEEDBACK	STU. SIGN	FACULTY SIGN
1	**INTRO TO DJANGO FRAMEWORK** - What is Web Framework? - MVT Architecture - Setup Virtual Environment - Installing Django - Exploring Directory Structure - Creating First Django Project **SETTING UP DJANGO WEB APP** - Creating First Django App - Understanding URL Routing - Handling different Views - Running Web App on Server			3	A B C D		
PR1	**Quick Booster**			1	___ /10		
2	**TEMPLATES WITH DTL (DJANGO TEMPLATE LANGUAGE)** - Setup Template directory's Path - Creating and Rendering Templates using URL Routings * - Passing Context in Multiple Templates - Using DTL to load context in Template - Tags, Variables & Filters - Template Inheritance			3	A B C D		
PR2	**Templatifier**			1	___ /10		
3	**FORM HANDLING** - Raw HTML Form - Pure Django Form - Form Widgets - Display Form to Multiple Templates			3	A B C D		
PR3	**Form Maker**			2	___ /10		
4	**URL ROUTING** - Dynamic URL Routing - Creating and Linking Multiple Apps - In App URL Routing & Namespacing - Django URLs Reverse			2	A B C D		
PR4	**Navigator**			2	___ /10		
5	**VIEWS AND MIXINS** - FBV (Function Based Views) - CBV (Class Based Views) - Convert FBV to CBV - Custom Mixins for CBV			3	A B C D		
PR5	**View Mixer**			2	___ /10		
6	**STATIC FILE HANDLING** - Setup static and media directory's Path - Adding Bootstrap for Frontend Enhancement - Collect Static Files *			2	A B C D		
PR6	**Asset Bundler**			1	___ /10		
E1	**Viva and Examination**			1	___ /10		

IN FEEDBACK (A = 100% | B = 80% | C = 60% | D = 30%)

7	**WORKING WITH MODELS** - Django Database Models - Model Fields - Model Inheritance - Add an App to INSTALLED_APPS - Migrating Models to Database - Update Models and Migrate			2	A B C D		
PR7	**Migrator**			1	___ /10		
8	**DAP (DJANGO ADMIN PANEL)** - Creating Superuser - Exploring DAP - Manage Superuser - CRUD Operations with DAP - @admin.register() - Customizing DAP			2	A B C D		
PR8	**Thrill Explorer**			1	___ /10		
9	**ORM (OBJECT RELATIONAL MAPPER)** - Using Django python-shell - Using ORM to deal with Database - CRUD Operation using ORM - Retrieve data using filters			2	A B C D		
PR9	**DB Miner**			1	___ /10		
10	**DYNAMIC TEMPLATES** - Dynamic Webpages - Retrieve data using QuerySets - Passing context to Template **FORM VALIDATION** - Django ModelForm - Form Validation Methods - Setting initial values for Forms			3	A B C D		
PR10	**Form Commander**			1	___ /10		
11	**WORKING WITH ANOTHER DATABASE** - Integrating MySQL Database - Using XAMPP for Database Interaction			1	A B C D		
PR11	**Teleporter**			1	___ /10		
12	**USER AUTHENTICATION** - @login_required decorator for FBV - LoginRequiredMixin for CBV - login(), logout() and authenticate() methods - get_object_or_404() method			2	A B C D		
PR12	**Safe Area**			1	___ /10		
E2	**Viva and Examination**			1	___ /10		
13	**CREATING APIs USING DRF (DJANGO REST FRAMEWORK)** - Intro and Installing DRF - Add DRF to INSTALLED_APPS - Adding REST_FRAMEWORK in settings.py - What is Serializer and Deserializer? - Serializer Class and ModelSerializer Class - APIs using Serializers, FBV, CBV, Model Mixins and Generic API Views			5	A B C D		
PR13	**API Digger**			2	___ /10		
14	**TESTING BROWSABLE APIs** - Using DRF's URL - Using Postman			1	A B C D		

IN FEEDBACK (A = 100% | B = 80% | C = 60% | D = 30%)

PR14	**Test a Taste**			1	___ /10		
15	**ROUTING AND AUTHENTICATIONS IN DRF** - Types of ViewSets - Types of Routers - authentication_classes and permission_classes properties			3	A B C D		
PR15	**Watchman**			1	___ /10		
16	**DOCUMENTING APIs** - Using drf-yasg package - Integrating drf-yasg into settings.py - Generating APIs Docs - Test browsable APIs using drf-yasg's url			1	A B C D		
PR16	**Scarecrow**			1	___ /10		
17	**PUBLISHING DJANGO WEB APPLICATION** - Deploy on GitHub - Deploy on pythonanywhere - Collect Static Files *			3	A B C D		
PR17	**Publish a Web App**			1	___ /10		
E3	**Final Exam**			1	___ /100		

NOTE:

- FEEDBACK WILL BE GIVEN BY STUDENTS
- MARKS OUT OF 10 WILL BE GIVEN BY TUTOR

IN FEEDBACK (A = 100% | B = 80% | C = 60% | D = 30%)