Nirma University

Institute of Technology

Semester End Examination (IR), December - 2021

B. Tech. in Computer Science and Engineering, Semester-VII

2CSDE86 Application Development Frameworks

	Roll/		Supervisor's initial with date					
	Exam No Time: 2 Hours			Max.Marks:50				
	Instructions:	3. Draw neat ske 4. Do not alter t 5. Fill all studen 6. Assume suital 7. To the point p 8. Ensure all pa	nestions. In the indicate full marks. In the sequence of questions where the sequence of questions where the sequence of questions where the sequence answers to the asked arts of code for all relevan written as applicable to the	hile attempting. ok and supplementary ta and mention those I questions are expected t files related to Djang	l. o/Kiv			
Q1 A	Answer the Following Discuss the Django's Request Response Cycle in detail. How it differs from the HTTP Request Response Cycle? Support the answer with the diagram and discuss in detail.							
	D: 41 .		OR		[10			
A	inheritance con		plates in Django. Also, di	scuss the templates	[10			
В	What is the siprocess of Djar		rms in Django? Discuss	the form rendering	[05			
В	Compare and Contrast atleast two Web Application Development frameworks. Compare those based on various parameters and list them too.							
Q2	In context to Django discuss the significance of CRUD (Create, Retrieve, Update, and Delete). Demonstrate the concept of CRUD using Function Based Views for the scenario given below:							
		go project name Personal_Inforn	d CSE_Document_Mana nation in it.	gement_System and				
	For the app create a model that represents the authors information in t database. The fields for the model are as mentioned below:							
	F_First_Name, F_Mobile_Num F_Cabin_Locat	ber, F	ne, F_Last_Name, F_A _Department_Name,	ddress, F_EmailId, F_Designation,				
			l steps, code for all re- ropriate sequence.	levant files and all				

Q3 Create Django with SQLite database application on following criteria:

[10]

- Create the User signup and login page using AbstractBaseUser model which as following information from the user during the signup page. User Name, Password, Retype Password, Birthdate, Email address.
- 2. As soon as user click on the signup page, send email verification mail to the user mail id. User has to verify his email address.
- 3. After verification of email id, user is redirected to upload his profile pic and resume. Store this file as static data.
- 4. Using email address and password, user can login into the system.
- 5. When user login into the system after uploading photo and resume, he can see all the information on the screen. Also make sure he can change the profile pic, resume and password any time he wants.
- Q4 Create a Kivy application based on following scenario:

[10]

- 1. Design a marks acceptance form using kivy for the teacher.
- 2. Create table in database, named as "Marks" which store the marks enter by the teacher for the following exam Class Test (35 marks)
 Session (35 marks)

Additional test marks (35 marks) Innovative assignment (30 marks)

 As soon as submit button is clicked store the information into database with following fields:

Class	Sessiona	Additional	Final	Innovative	Total of CE
Test	1 Marks	Exam	Marks	Assignment	marks
			(best of 2)		

3. Once the display button is clicked, all the store information should be display in data table.

**** Best of Luck ****