Nirma University

Institute of Technology

Semester End Examination (IR), December - 2022 B. Tech. in Computer Science and Engineering, Semester-VII 2CSDE86 Application Development Frameworks

Roll Exa	M No. Supervisor's Initial with date
	e: 3 Hours Max Marks: 100
1	 Attempt all questions Figures to the right indicate full marks. Section-wise separate answer books to be used. Draw neat sketches wherever necessary. Assume suitable data wherever necessary and mention the same.
	SECTION-I
Q-1 CO4 BL4	With a neat diagram discuss the Kivy architecture and significance of each component of the architecture in detail. Differentiate between Native Apps, Hybrid Apps, Progressive Web Apps.
Q-2 CO1 BL2	Discuss the significance of the use of Proxy Model in Django? Explain it with required code snippet related to models design and various settings in different files.
Q-2 CO1 BL3	What is the significance and application use of built-in and custom widgets in Django? List and discuss the same. Also, discuss the significance and application use of built-in and custom tags and filters in Django? List and discuss the same.
Q-3	Write complete Django code for the scenario given. [20]
3L6	The website requires to store employee profile information. Apart from inbuilt User model fields, include following fields in the profile:
	 Employee complete name Role (Administrator, Employee, Guest) Age Mobile Number Social Media Url Use Django AbstractUser concept for employee profile. Also implement following functionalities:

Employee registration page including UserCreationForm concept

Home page, Display sign-in user name on the home page

Employee login page

SECTION-II

C	Answer the following questions. Design Customer Feedback Page which has Customer Name, Feedback Description and Email ID(recipient/TO email id). Once we click on Submit button, feedback details will be mailed on feedback@gmail.com .	[20] [10]
CC BL	Assume that your company receives a contract for a Social Management Principle of the developed Princi	[10]
Q-s CO:	below: 3 below:	
BLe	authentication module of Django for admin user and stock market app user. Create model that has following fields: Stock Name, Stock Listing Date, Stock Sector, Stock Avg. Trade Price, Stock Previous Day Opening Price, Stock Previous Day Closing Price, Stock Current Price. As soon as the stock market app user sign-up's into the system and logs in, he should find the list of available stocks and all its details as per model defined. Each user will create a wish list by selecting the set of stocks whose price he wants to track. Create appropriate model for the wishlist. User can change the wish list from his login.	[20]
Q-6 CO1 BL2	Discuss the Django Project Structure and Django App Structure Live	oj
Q-6 CO1 BL4	OR Discuss the significance of templates in Django. Also, discuss the [1] templates inheritance concept with example code snippet.	0]

***** Best of Luck ******