Daffodil International Professional Training Institute

Demonstration – 05

Qualification: Web Application Development with Python

Batch: WADP-L4-B5

Time: 2 hours   **Marks:** 100

Question:

Create a Django project named **student_project_tracker**, where students register using a custom user model based on AbstractUser. After login, students can perform CRUD operations on a model called ProjectModel, and change the project progress status by clicking a button.

Project Setup:

- **Project Name:** student_project_tracker
- **App Name:** project
- **Model:** User Model and ProjectModel

User Model:

This is the Django authentication model. Used following fields to register the user:

- username
- email
- password
- student_name
- student_id

Project model:

- project_name
- project_description
- project_status (NotStarted, InProgress, Completed)
- deadline
- created_by (Must be the relationship with the UserModel. Project created user info will be store into this field)

- created_at
- updated_at

Templates and Navigation:

Create a master layout using HTML and CSS that includes the following links:

- **Home:** Display all the Project as Card Style with the fields of (project_name, project_description, status)

- **Register:** To register user, used all the fields of the User Model.

- **Login**

- **Logout**

- **Add Project**

- **Project List**(Here display all the data of the project into the table with the fields of (project_name, project_description, status, deadline). Every students only can show their on project data

Project Status Update:

- On the project list page, display a status button beside each project
- Clicking the button will cycle through: Not Started ➔ In Progress ➔ Completed
- If status completed don't display the button.

Student Navbar ➔ Home, Add Project, Project List, Logout

Bonus Features:

- If Admin logged in they can display all the students project list
- **Admin Navbar:** Home, Project List, Logout

**Note: Also create details view page for the every single project.