

# Web Technologies

## Fall 2025

### BS CS

#### Term Project (CLO 4)

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**Deadline: 27<sup>th</sup> January 2026 (Till Midnight)**

**Viva: 28<sup>th</sup> January 2026**

## Dynamic Portfolio Website Development Using Django

### Objective:

The objective of this term project is to provide students with practical exposure to backend web development using the Django framework. The project is designed to strengthen students' understanding of database-driven applications, Django's Model–View–Template (MVT) architecture, and professional deployment practices.

### Project Overview

Students are required to develop a dynamic personal portfolio website using the Django framework. This project is an extension of the earlier portfolio assignment; however, in this phase, the website must be fully dynamic, with all data fetched from a database.

### Functional Requirements

The portfolio website must include the following sections:

- Bio: Name, job title, profile picture and professional description
- Education: Academic qualifications
- Skills: Technical and professional skills
- Experience: Academic, professional
- Projects: Personal Projects (Dummy if not have any)

To ensure modular and scalable design, the following guidelines must be strictly followed:

- A **separate Django app must be created for each section** (e.g., Bio, Education, Skills, Experience/Projects).
- Each app must contain its own corresponding model(s) to store and manage data.
- All data must be fetched dynamically from the database using Django models, views, and templates.

- **Hardcoded data in HTML files is strictly prohibited.**

Students may use **HTML, CSS, and JavaScript** for frontend development. Freely available portfolio templates may be used; however, they must be **properly integrated into Django** and populated exclusively with the student's own data.

## Deployment Requirements

The project must be **deployed live**, and the deployment URL must strictly follow the format: <student\_id>.netlify.app Projects not deployed according to the specified format may face **mark deductions**.


## Submission Details

Each student must submit:

1. The **live deployment URL**
2. The **GitHub link of complete Django project source code**

## Submission Deadline:

 **27<sup>th</sup> January 2026 (Till Midnight)**

 **Till 11:59 PM (Strictly enforced)**


**Important:** No project will be evaluated or presented in the viva if it is **not submitted within the given timeline**.

## Viva / Project Demonstration

A **viva and project demonstration** will be conducted to assess the student's understanding of:

- Django MVT architecture
- App-wise model design
- Database interaction and dynamic rendering
- Overall project workflow

 **Viva Date: 28<sup>th</sup> January 2026 (Till Midnight)**

 **Mode: Physical**

## Assessment Criteria

Component	Marks
Bio Model & App Implementation	20
Education Model & App Implementation	20
Skills Model & App Implementation	20
Experience/Projects Model & App Implementation	20
UI Responsiveness & Visual Attractiveness	15
Deployment (Live & Accessible)	5
<b>Total</b>	<b>100</b>

## Important Instructions

- Late submissions will **not** be accepted under any circumstances.
- Projects not submitted by the deadline will **not be evaluated or allowed for viva**.
- Students must be able to **clearly explain their code and design decisions** during the viva.

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This term project is a major assessment component of the course and is intended to evaluate students' ability to design, implement, and deploy a **professionally structured Django-based web application**.

The End!

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