Dhaka International University

Satarkul, Badda, Dhaka, Bangladesh

Department of Computer Science & Engineering

Project Proposal Report

Project Title: Student Management System (Web-Based Application)

Couse Number: 0613-305

Couse Name: Markup and Scripting Language Lab

Submitted By	Submitted To
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1. **Introduction:**

   Explain what your project is about in 4–5 lines.

   This project aims to develop a web-based Student Management System using Django framework. The system will help manage student information easily through a simple and interactive web interface. It allows adding, viewing, updating, and deleting student records efficiently.

2. **Objectives**

   List your main goals clearly.

   - To create a responsive and user-friendly website for managing student records.
   - To allow users to add, update, and delete student information.
   - To display all students in a structured list format.
   - To practice using Django with HTML, CSS, JavaScript, and SQLite database.

3. **Project Scope**

   Mention what your project will include.

   The system will include features such as student registration, viewing the student list, editing or deleting records, and an about page. It will be accessible from any web browser. The database will store student ID, name, department, phone number, and address.

4. **Tools and Technologies**

   List the tools, languages, and frameworks you will use.

   Frontend: HTML, CSS, JavaScript
   Backend: Python (Django Framework)
   Database: SQLite
   IDE/Editor: VS Code / PyCharm
   Version Control: Git (optional for beginners)

5. **System Design / Architecture**

   You can include a small diagram.

   The system will follow the MVC (Model–View–Controller) architecture of Django.

   - Model: Defines database structure (student table).

- View: Contains logic to handle requests (add, delete, list students).
- Template: HTML files to display pages to the user.

6. **Modules / Features**
   Describe what each part of your website does:

Module Name	Description
Home Page	Contains a navbar and footer. Links to all other pages.
Add Student	Allows the user to add a new student record.
Student List	Displays all students in a table format.
Delete Student	Provides option to remove a student by ID.
About Page	Describes the purpose of the system.

7. **Expected Output**

   Explain what you want to achieve.

   At the end of the project, a fully functional web-based Student Management System will be developed that performs basic CRUD (Create, Read, Update, Delete) operations and stores data in an SQLite database.

8. **Timeline (Optional for students)**

   You can write a simple weekly plan.

9. **Conclusion**
   This project will help me understand how a full-stack Django application works by integrating frontend design with backend logic and database management. It is a beginner-friendly project with real-life usability in educational institutions.
10. **References (if any)**
    You can include:
    - Django Documentation: https://docs.djangoproject.com/
    - W3Schools (for HTML, CSS, JS).
    - TutorialsPoint or YouTube tutorials.