S V POLYTECHNIC COLLEGE BHOPAL

SESSION 2024-25

MAJOR PROJECT REPORT
ON
STUDENT MANAGEMENT SYSTEM

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

RAJIV GANDHI PROUDYOGIKI VISHWAVIDYALAYA, BHOPAL

PROJECT GUIDE

PROF. ISHU SHARMA
DEPT. OF CSE

SUBMITTED BY

DOLLY MAKODE
GHANSHYAM
KHUSHEE MAKODE
JANNAT PRAVIN

S V POLYTECHNIC COLLEGE BHOPAL

SESSION 2022-23

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that GHANSHYAM ,DOLLY MAKODE, KHUSHEE MAKODE,JANNAT PRAVIN, student of Three Year Diploma (CSE) III year, VIth semester, (Computer Science and Engineering) has completed the major project titled "STUDENT MANAGEMENT SYSTEM" during the academic session 2024-25 under the guidance & supervision of Prof. ISHU SHARMA.

PROF. Manoj sonkusare
PROJECT SUPERVISOR
DEPT. OF CSE, SVPC

PROF.ISHU SHARMA
PROJECT INCHARGE
lecturer CSE, SVPC

DECLARATION

WE,GHANSHYAM, DOLLY MAKODE ,KHUSHEE MAKODE,JANNAT PRAVIN, hereby declare that this project work entitled "Student Management System " was carried out by me under the supervision of Prof. Ishu Sharma , Department of CSE, S V POLYTECHNIC COLLEGE, Bhopal. This project work is submitted to the Department of Computer Science and Engineering during the academic year 2024-25.

Place: BHOPAL

Date: 03/07/2025

NAME	ROLL NO	SIGANTURE
GHANSHYAM	22013C04026	____________
DOLLY MAKODE	22013C04023	____________
KHUSHEE MAKODE	22013C04031	____________
JANNAT PRAVIN	23013C04204	____________

INDEX

CHAPTER 1

1.1 INTRODUCTION

A Student Management System is a web-based or desktop-based application designed to manage the attendance of students efficiently. This system automates the process of storing, managing, and retrieving student-related data such as personal details, academic records, attendance, and more. It helps in reducing paperwork and manual errors, ensuring smooth functioning within an educational institution.

The system provides role-based access for Teachers and Students to perform specific operations based on their privileges. A key feature of this system is its secure and intelligent attendance mechanism that uses face recognition-based authentication. This ensures that only the authenticated student is marked present, eliminating the chances of proxy attendance and increasing overall reliability.

By integrating face recognition technology with traditional student management functionalities, the system not only enhances security but also improves the speed and accuracy of attendance tracking. The platform is scalable, user-friendly, and tailored to meet the evolving needs of modern educational institutions.

1.2 Objectives

The main objective of this project is to design and implement a secure, efficient, and automated **Student Management System** that uses **face recognition technology** for attendance and provides role-based access for students and teachers. The specific objectives of the system are as follows:

---

1. **To develop a centralized student information system:**
   The project aims to provide a single platform where all student data including personal information, academic records, attendance, and performance can be stored securely and accessed easily when required.

2. **To reduce paperwork and manual record-keeping:**
   Traditional methods involve a lot of paperwork which is time-consuming and error-prone. The system will digitize the student management process, making it more reliable and faster.

3. **To simplify the process of attendance management:**
   Teachers can take attendance digitally through the system, and records can be maintained and accessed in real-time. This also eliminates the need for physical attendance registers.

4. **To allow performance tracking of students:**
   Teachers can input marks, assignment scores, and feedback. Students can track their academic progress through their dashboards, enabling self-assessment and improvement.

5. **To implement role-based access control:**
   The system provides different access levels for Admin, Teacher, and Student. Each role has dedicated functionalities ensuring data privacy and security.

6. **To generate automated reports and visual charts:**
   The system generates attendance reports, performance summaries, and graphical representations such as bar charts or pie charts to make analysis easier and more insightful.

7. **To improve communication between students and teachers:**
   The platform allows students to submit doubts, feedback, or requests directly to teachers through an online form, improving the interaction and support process.

8. **To ensure data security and reliability:**
   By using secure database systems and user authentication, the system prevents unauthorized access and data loss, maintaining the integrity of student records.

9. **To make the system scalable and adaptable:**
   The system is designed to support additional departments, semesters, and modules in the future, making it flexible and reusable across multiple academic programs.

○

1.3 Scope

The scope of the Student Management System with Face Recognition-based Attendance is vast and adaptable across various educational institutions such as polytechnic colleges, engineering institutes, schools, and universities. The system is designed to automate and digitize the student attendance process with enhanced security and efficiency.

This project covers the following areas:

- Automatic attendance marking using real-time face recognition.
- Role-based login access for Teachers and Students.
- Centralized database to store and manage student data securely.
- Teacher Panel with features to mark attendance, track student performance, and view attendance records.
- Student Panel to view attendance history, performance summary, and submit doubts.
- Real-time authentication to eliminate proxy attendance.
- Improved transparency between students and faculty.
- User-friendly interface accessible from desktops or laptops.

In the future, the system can be extended to include:

- Mobile application support for on-the-go access.
- Admin panel for managing subjects, faculty, and overall reporting.
- Integration with SMS/Email alerts for attendance notifications to parents.
- Monthly and semester-wise automated attendance reports.
- Biometric or RFID-based attendance as an additional backup method.
- Analytics dashboard for visual performance and attendance trends.

This project is not limited to academic use but can also be customized for corporate training centers, coaching institutes, and online learning platforms to ensure attendance integrity and management efficiency.

1.4 Description of the Project

The **Student Management System** is a comprehensive web-based application developed to manage academic, attendance, and performance-related data of students in a streamlined and efficient manner. The system is specially designed for diploma-level institutions and provides three user roles: **Teacher**, and **Student** — each with its own dedicated dashboard and functionalities.

The main objective of the project is to automate traditional student record-keeping processes and enhance the interaction between students and teachers by introducing digital tools for attendance tracking, performance monitoring, doubt resolution, timetable management, and subject assignments.

This system consists of two main modules:

1. Teacher Panel:

The **Teacher Panel** is a role-based section of the Student Management System designed specifically for faculty members. After logging into the system using their unique credentials, teachers are redirected to their personalized dashboard where they can manage academic activities related to the subjects and students assigned to them by the teacher.

Key Functionalities of the Teacher Panel:

The Teacher Panel provides access to multiple modules through a neatly structured sidebar menu. These modules include:

1.Dashboard

.Displays a quick overview of today's schedule, pending tasks, announcements, and performance graphs.
.Helps teachers stay updated with important actions and daily activities.

2. My Profile

.Allows teachers to view and update their personal and professional details.
.Profile includes name, designation, assigned subjects, and contact info.

3. Timetable

.Shows the daily or weekly teaching schedule assigned to the teacher.
.Helps in time management and ensures the teacher is aware of upcoming classes.

4. Attendance

.Teachers can mark daily attendance for each class/subject assigned to them.
.Attendance is stored in the database and can be viewed or edited later.
.Option to filter attendance records by date, subject, or student.

5. Students

.Displays a list of students under the teacher’s assigned class or subject.
.Teachers can view student details, performance, and attendance status.

6. Subjects (Subject Management Module)

This is one of the most important modules of the Teacher Panel. It allows teachers to:

- View the list of subjects assigned to them.
- See details such as Subject Code, Subject Name, Class, and Assigned Teacher.
- Use View (?) and Edit (□) buttons for managing subject information.
- Clean tabular format with columns for easy navigation and management.

Example Subjects Displayed:

Subject Code	Subject Name	Class	Assigned Teacher
MC501	Mobile Computing	Diploma 3rd Year	Mr. Nishant Chorasiya
ES502	Entrepreneurship and Start-ups	Diploma 3rd Year	Mr. Ishu Sharma
ST503	Software Testing	Diploma 2nd Year	Ms. Tripti Diwadi
PM504	Project Management	Diploma 3rd Year	Ms. Goldi Bajaj
AI505	Artificial Intelligence	Diploma 2nd Year	Ms. Ishu Sharma

- Teachers can click on "Add Subject" to insert a new subject entry if permitted.
- The table interface is responsive and mobile-friendly, improving usability.

2. Student Panel:

- The **Student Panel** is a dedicated and user-friendly dashboard designed for students to access their academic information in an organized and efficient manner. Once a student logs in with their unique credentials, they are greeted with a left-side navigation menu that provides access to several key modules such as Dashboard, Attendance, Timetable, Subjects, Ask Doubt, My Doubts, and Profile.

Key Functionalities of the Student Panel:

1. Dashboard

The Dashboard acts as the main overview page for the student after login. It displays:

- Today’s Class Schedule with subject and timing.
- Attendance Summary showing overall attendance percentage or color-coded status.
- Recent Announcements or Notifications from Admin or Teachers (e.g., test dates, holidays, or updates).
- Quick Links to important sections like Timetable or Doubts.

This module helps students plan their day effectively and stay updated.

2. Attendance

This module allows students to track their attendance records in a detailed and transparent manner. Key features include:

- Daily, Weekly, and Monthly Attendance Views
- Subject-wise attendance records with date and status (Present/Absent).
- Percentage calculation for each subject.
- Option to filter attendance by subject or date range.

Students can keep track of low attendance and take corrective action.

3. Timetable

The Timetable module displays the student’s weekly class schedule. It helps students know:

- On which day, which subject is scheduled.
- Timings of each class (e.g., 10:00 AM – 11:30 AM).
- Faculty assigned to each subject.

The schedule is shown in a clear tabular format, making it easy to understand and follow.

4. Subjects

The Subjects module lists all the subjects assigned to the student for the current semester. It shows:

- Subject Code
- Subject Name
- Teacher Name
- Scheduled Class Timings

This module gives students an overview of their academic subjects and responsible faculty. It is similar to the "My Subjects" screenshot previously shared.

5. Ask Doubt

This is an interactive feature that allows students to submit academic queries directly to their subject teachers. Features include:

- Selection of subject from a dropdown.
- Textbox to type the doubt clearly.
- Submit button to send the doubt to the respective teacher.

This encourages active communication and quick doubt resolution.

6. My Doubts

This module shows the list of all doubts submitted by the student along with:

- Subject Name
- Date of Submission
- Teacher's Reply
- Status (Pending/Solved)

Students can track their query progress and re-check teacher feedback anytime.

7. Profile

The Profile section displays the student’s personal and academic information, including:

- Name, Roll Number
- Email ID, Contact
- Class and Department
- Subjects enrolled

Students can also update some of their personal details if allowed by admin.

8. Logout

This module securely logs the student out of the system. It ensures that no one else can access the student’s data once the session ends. Clicking "Logout" redirects the user back to the login screen.

Technologies Used:

1. Frontend Technologies

These technologies are used to create the user interface of the system that interacts with users (Admin, Teacher, and Student).

- HTML5 (HyperText Markup Language):
  Used for structuring the content of web pages and dashboards. It provides the basic skeleton of the website.

- CSS3 (Cascading Style Sheets):
  Used for styling the application – including layouts, fonts, colors, spacing, etc. CSS3 ensures the system is visually appealing and professional.

- JavaScript:
  Adds interactivity to the web pages like form validations, dynamic data display, dropdowns, and real-time updates.

- Bootstrap (CSS Framework):
  Used for responsive design and layout. Bootstrap allows the website to adapt across different screen sizes like mobile, tablet, or desktop without much effort.

2. Backend Technologies

These handle the application logic, data processing, server-side authentication, and connections with the database.

- Python (Programming Language):
  Python is used due to its simplicity, readability, and strong ecosystem for web development.

- Django Framework:
  A high-level Python web framework that encourages rapid development and clean, pragmatic design.
  Django manages:

  - URL routing

  - Database ORM (Object Relational Mapping)

  - User Authentication (login/logout system)

  - Form handling

3. Database Technology

- SQLite:
  A lightweight, serverless, and self-contained relational database engine.
  It stores:

  - Student and teacher profiles

  - Subject assignments

  - Attendance records

  - Marks and performance data

  - Doubts and replies

For production use, the system can be upgraded to **PostgreSQL** or **MySQL**.

Working Process of Student Management System

The Student Management System follows a structured and role-based working model that defines how different users interact with the system and how data flows between components. The system is primarily used by three types of users — Teachers, and Students — and each user has a specific set of tasks and permissions. Below is a step-by-step explanation of how the system works from login to data operations:

1. **Teacher Workflow**

- Teacher logs in using their credentials.
- Upon login, they see their Dashboard with today’s schedule and subject info.
- Teachers can:
    - Take daily attendance for using face recoganization system.
    - Enter marks and performance details of students.
    - Respond to student doubts received via the "Ask Doubt" form.
    - View student lists, class schedules, and manage subjects.
- The system automatically stores the attendance and marks in the backend database.

2. Student Workflow

Students log in securely and land on their Dashboard.

- They can:
- View their attendance records (daily, subject-wise, or monthly).
- See their marks in each subject.
- Access their timetable to know the daily class schedule.
- View their assigned subjects and teachers.
- Submit doubts to teachers using the “Ask Doubt” module.
- Track replies in the My Doubts section.

CHAPTER 2: Requirement Specifications

2.1 Hardware Requirements

The hardware requirements for developing and running the Student Management System are listed below:

Component	Minimum Requirement
Processor	Intel Core i3 or higher
RAM	4 GB (8 GB recommended)
Hard Disk	500 GB (SSD preferred for fast access)
Monitor	14” LED Monitor
Keyboard & Mouse	Standard Keyboard and Optical Mouse
Internet Connection	Required for online deployment & API

2.2 Software Requirements

The software requirements for the system development are listed below:

Software Component	Details
Operating System	Windows 10 or
Programming Language	HTML, CSS, JavaScript, Python
Backend Framework	Django (Python Framework)
Database	SQLite (Development), MySQL (Deployment)
IDE / Code Editor	VS Code
Web Browser	Google Chrome / Firefox
Other Tools	GitHub

CHAPTER 3 – DATA ANALYSIS

3.1 Data Dictionary

Table Name	Field Name	Data Type	Description
StudentProfile	user	OneToOne (User)	Linked to Django's User model
	enrollment_number	CharField(20)	Unique ID for each student
	department	CharField(50)	Student's department
	year	IntegerField	Year of study (1st, 2nd, etc.)
TeacherProfile	user	OneToOne (User)	Linked to Django's User model
	department	CharField(50)	Department of the teacher
	code	CharField(20)	Unique subject code
AttendanceRecord	student	ForeignKey(Student)	Student who is marked
	subject_assignment	ForeignKey(Assign.)	Subject and teacher both linked
	date	DateField	Date of attendance
	status	CharField(10)	Present/Absent
ClassSchedule	subject_assignment	ForeignKey(Assign.)	Which subject/teacher is scheduled
	day	CharField(10)	Weekday (Mon–Sat)
	start_time	TimeField	Start time of class
	end_time	TimeField	End time of class
StudentDoubt	student	ForeignKey(Student)	Doubt submitted by
	subject_assignment	ForeignKey(Assign.)	Related to which subject
	doubt_text	TextField	Student’s doubt

Table Name	Field Name	Data Type	Description
	submitted_at	DateTimeField	Time of doubt submission

3.2 Entity Relationship Diagram (ERD)

User

├── StudentProfile

├── TeacherProfile

TeacherProfile ───< Attendance>─── Subject

StudentProfile ───< AttendanceRecord >─── SubjectAssignment

StudentProfile ───< Performance >─── SubjectAssignment

StudentProfile ───< StudentDoubt >─── SubjectAssignment

3.3 Data Flow Diagram (DFD)

Level 0 DFD (Context Diagram)

[Admin/Teacher/Student]

|

[Student Management System]

|

[Database]

Level 1 DFD

[Teacher] ──> (Mark Attendance) ──> [Attendance Table]

──> (submition Doubts) ──> [submition Table]

[Student] ──> (View Attendance/Performance)

──> (Submit Doubts) ──> [Doubt Table]

Chapter 4: Software Design

4.1 Database Design

The database for the Student Management System is designed to store and manage data such as student profiles, attendance records, performance, and subjects**.**

Main Tables:

1. **Student**
   - student_id (Primary Key)
   - name
   - email
   - class
   - contact

2. **Teacher**
   - teacher_id (Primary Key)
   - name
   - email
   - subject_assigned

3. **Subject**
   - subject_id (Primary Key)
   - subject_name
   - teacher_id (Foreign Key)

4. **AttendanceRecord**
   - id (Primary Key)
   - student_id (Foreign Key)

- subject_id (Foreign Key)
- date
- status (Present/Absent)

4.2 Development Model

The Waterfall Model was followed for the development of the project.
Phases:
1. **Requirement Analysis:**
Collected system requirements like attendance tracking, performance management, and role-based login.

2. **System Design:**
Database structure, ER diagrams, and UI designs were created.

3. **Implementation:**
Project was developed using Django, HTML, CSS,javascript and SQLite.

4. Testing:
Functional testing was done for login, dashboard, attendance, and performance features.

5. Deployment:
Project was hosted locally and can be deployed to cloud platforms later.

6,Maintenance:
Minor bug fixes and future feature upgrades like SMS alerts or mobile app support can be added.

4.3 Key Logic

1. Face Recognition
2. Attendance Marking
3. Teacher Login & Subject Fetch
4. Role-Based Access
5. Student-Teacher Interaction
6. Authentication Logic
   - Login Logic (Role-based)
   - Registration Logic
   - Logout Logic

7. Time Table Display (Class Schedule)

8. Doubt Submission

9. student profile

10. Teacher profile

4.4 Architecture

The architecture of the **Student Management System** is based on a **Three-Tier Web Architecture**, which separates the system into three main layers: **Presentation Layer (Frontend)**, **Application Layer (Backend)**, and **Data Layer (Database)**. This layered structure ensures scalability, security, and easier maintenance of the application.

1. **Presentation Layer:**

This is the user interface part of the system that students, teachers, and admins interact with using a web browser.

- Built With: HTML, CSS, JavaScript, Bootstrap
- Responsibilities:
  - Displaying forms, dashboards, tables, and charts
  - Collecting input from users (login, attendance, marks, doubts)
  - Sending data to backend via HTTP requests
  - Presenting dynamic data returned from the backend

2. Application Layer (Backend)

This is the server-side logic of the system. It processes requests from the frontend, applies business rules, communicates with the database, and returns responses.

- Built With: Django (Python Framework)
- Responsibilities:
  - User authentication (login/signup)
  - Attendance and marks processing
  - Doubt management workflow
  - CRUD operations (create, read, update, delete)
  - Connecting frontend with database

- Managing session and security

3. Data Layer (Database)

This is the storage layer where all data is saved and retrieved. It securely stores the following:

- User credentials and profiles (Admin, Teacher, Student)
- Subject assignments and timetables
- Attendance records
- Marks and performance data
- Doubt messages and replies
- Database Used: SQLite (can be upgraded to PostgreSQL)

System Architecture Diagram

User (Student/Teacher/Admin)

↓

[Presentation Layer]

↓

[Django Views & Logic]

↓

[Models / ORM]

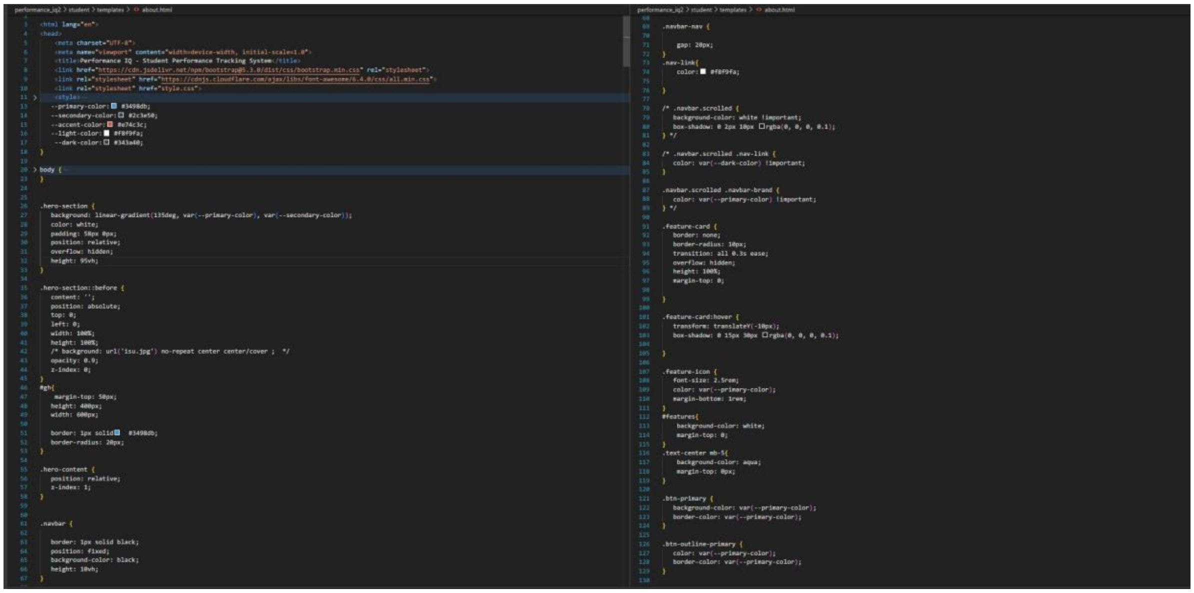
↓

[SQLite / MySQL Database]

CHAPTER 5 – SNAPSHOTS

5. Input Snapshots

5.1.1 HOME Page

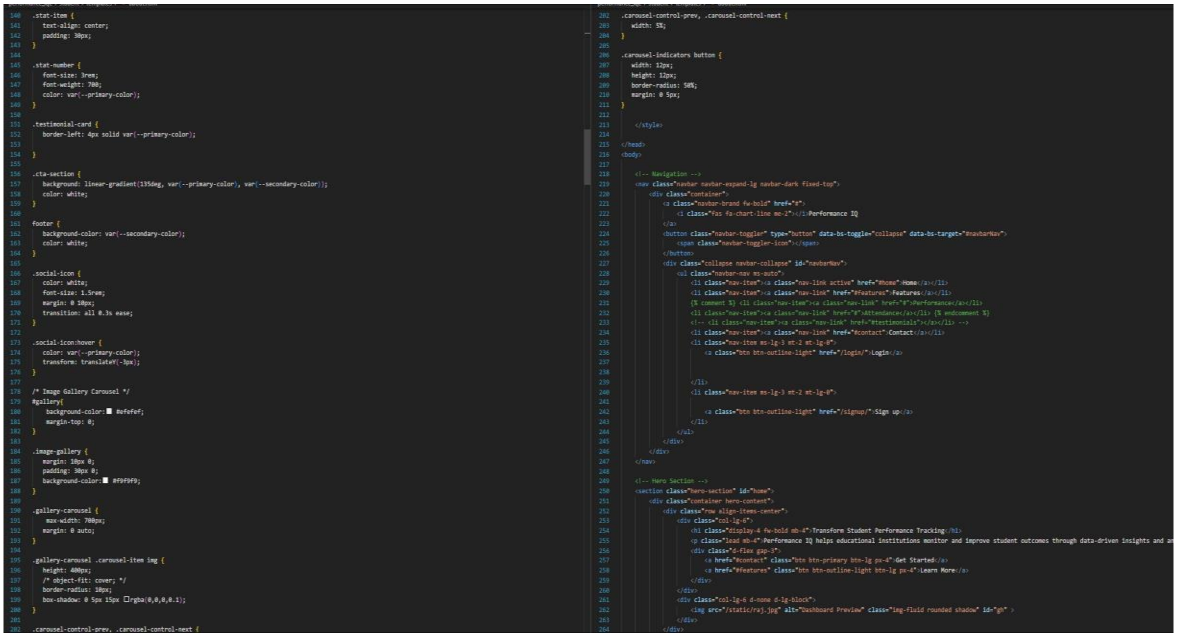


performance_iq2 > student > templates > about.html

```
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Performance IQ - Student Performance Tracking System</title>
    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css" rel="stylesheet">
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.4.0/css/all.min.css">
    <link rel="stylesheet" href="style.css">
    <style>···
   --primary-color: #3498db;
   --secondary-color: #2c3e50;
   --accent-color: #e74c3c;
   --light-color: #f8f9fa;
    --dark-color: #343a40;
}

body {···
}


.hero-section {
   background: linear-gradient(135deg, var(--primary-color), var(--secondary-color));
   color: white;
   padding: 50px 0px;
   position: relative;
   overflow: hidden;
   height: 95vh;
}

.hero-section::before {
   content: '';
   position: absolute;
   top: 0;
   left: 0;
   width: 100%;
   height: 100%;
   /* background: url('isu.jpg') no-repeat center center/cover ;  */
   opacity: 0.9;
   z-index: 0;
}
#gh{
    margin-top: 50px;
   height: 400px;
   width: 600px;

   border: 1px solid  #3498db;
   border-radius: 20px;
}

.hero-content {
   position: relative;
   z-index: 1;
}


.navbar {

   border: 1px solid black;
   position: fixed;
   background-color: black;
   height: 10vh;
}
```

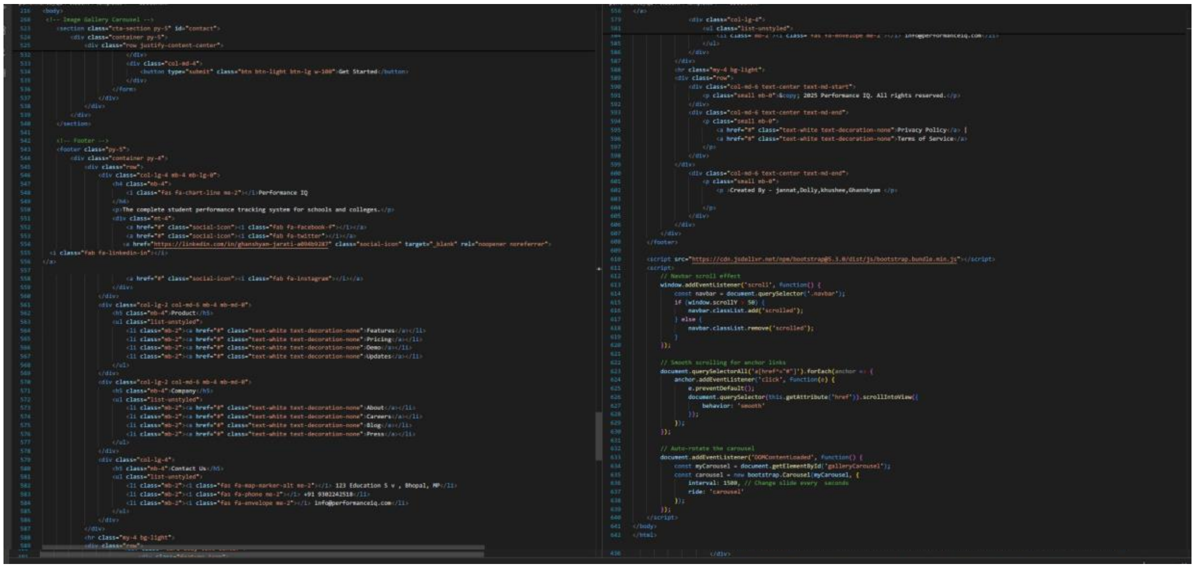
performance_iq2 > student > templates > about.html

```

.navbar-nav {

    gap: 20px;
}
.nav-link{
    color: #f8f9fa;


}

/* .navbar.scrolled {
   background-color: white !important;
   box-shadow: 0 2px 10px rgba(0, 0, 0, 0.1);
} */

/* .navbar.scrolled .nav-link {
   color: var(--dark-color) !important;
}

.navbar.scrolled .navbar-brand {
   color: var(--primary-color) !important;
} */

.feature-card {
   border: none;
   border-radius: 10px;
   transition: all 0.3s ease;
   overflow: hidden;
   height: 100%;
   margin-top: 0;

}

.feature-card:hover {
   transform: translateY(-10px);
   box-shadow: 0 15px 30px rgba(0, 0, 0, 0.1);

}

.feature-icon {
   font-size: 2.5rem;
   color: var(--primary-color);
   margin-bottom: 1rem;
}
#features{
    background-color: white;
    margin-top: 0;
}
.text-center mb-5{
    background-color: aqua;
    margin-top: 0px;
}

.btn-primary {
   background-color: var(--primary-color);
   border-color: var(--primary-color);
}

.btn-outline-primary {
   color: var(--primary-color);
   border-color: var(--primary-color);
}

```



```
.stat-item {
   text-align: center;
   padding: 30px;
}

.stat-number {
   font-size: 3rem;
   font-weight: 700;
   color: var(--primary-color);
}

.testimonial-card {
   border-left: 4px solid var(--primary-color);

}

.cta-section {
   background: linear-gradient(135deg, var(--primary-color), var(--secondary-color));
   color: white;
}

footer {
   background-color: var(--secondary-color);
   color: white;
}

.social-icon {
   color: white;
   font-size: 1.5rem;
   margin: 0 10px;
   transition: all 0.3s ease;
}

.social-icon:hover {
   color: var(--primary-color);
   transform: translateY(-3px);
}

/* Image Gallery Carousel */
#gallery{
    background-color: #efefef;
    margin-top: 0;
}

.image-gallery {
   margin: 10px 0;
   padding: 30px 0;
   background-color: #f9f9f9;
}

.gallery-carousel {
    max-width: 700px;
   margin: 0 auto;
}

.gallery-carousel .carousel-item img {
   height: 400px;
   /* object-fit: cover; */
   border-radius: 10px;
   box-shadow: 0 5px 15px rgba(0,0,0,0.1);
}

.carousel-control-prev, .carousel-control-next {
```

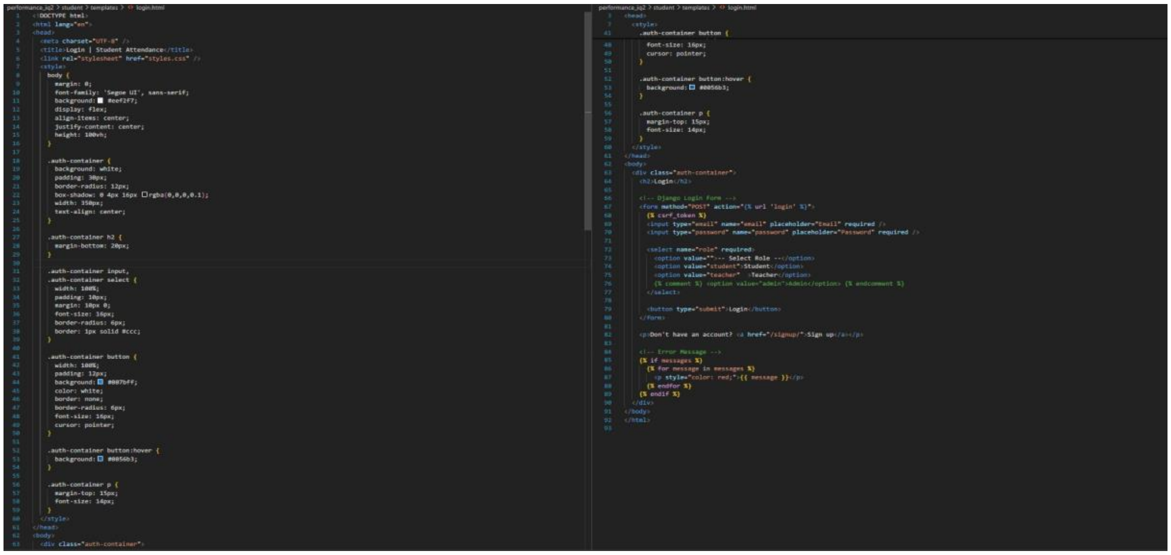
```
.carousel-control-prev, .carousel-control-next {
   width: 5%;
}

.carousel-indicators button {
   width: 12px;
   height: 12px;
   border-radius: 50%;
   margin: 0 5px;
}

    </style>

</head>
<body>

    <!-- Navigation -->
    <nav class="navbar navbar-expand-lg navbar-dark fixed-top">
        <div class="container">
            <a class="navbar-brand fw-bold" href="#">
                <i class="fas fa-chart-line me-2"></i>Performance IQ
            </a>
            <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarNav">
                <span class="navbar-toggler-icon"></span>
            </button>
            <div class="collapse navbar-collapse" id="navbarNav">
                <ul class="navbar-nav ms-auto">
                    <li class="nav-item"><a class="nav-link active" href="#home">Home</a></li>
                    <li class="nav-item"><a class="nav-link" href="#features">Features</a></li>
                    {% comment %} <li class="nav-item"><a class="nav-link" href="#">Performance</a></li>
                    <li class="nav-item"><a class="nav-link" href="#">Attendance</a></li> {% endcomment %}
                    <!-- <li class="nav-item"><a class="nav-link" href="#testimonials"></a></li> -->
                    <li class="nav-item"><a class="nav-link" href="#contact">Contact</a></li>
                    <li class="nav-item ms-lg-3 mt-2 mt-lg-0">
                        <a class="btn btn-outline-light" href="/login/">Login</a>


                    </li>
                    <li class="nav-item ms-lg-3 mt-2 mt-lg-0">

                        <a class="btn btn-outline-light" href="/signup/">Sign up</a>
                    </li>
                </ul>
            </div>
        </div>
    </nav>

    <!-- Hero Section -->
    <section class="hero-section" id="home">
        <div class="container hero-content">
            <div class="row align-items-center">
                <div class="col-lg-6">
                    <h1 class="display-4 fw-bold mb-4">Transform Student Performance Tracking</h1>
                    <p class="lead mb-4">Performance IQ helps educational institutions monitor and improve student outcomes through data-driven insights and an
                    <div class="d-flex gap-3">
                        <a href="#contact" class="btn btn-primary btn-lg px-4">Get Started</a>
                        <a href="#features" class="btn btn-outline-light btn-lg px-4">Learn More</a>
                    </div>
                </div>
                <div class="col-lg-6 d-none d-lg-block">
                    <img src="/static/raj.jpg" alt="Dashboard Preview" class="img-fluid rounded shadow" id="gh" >
                </div>
            </div>
```



```html
<body>
 <!-- Image Gallery Carousel -->
    <section class="cta-section py-5" id="contact">
        <div class="container py-5">
            <div class="row justify-content-center">
                        </div>
                        <div class="col-md-4">
                            <button type="submit" class="btn btn-light btn-lg w-100">Get Started</button>
                        </div>
                    </form>
                </div>
            </div>
        </div>
    </section>

    <!-- Footer -->
    <footer class="py-5">
        <div class="container py-4">
            <div class="row">
                <div class="col-lg-4 mb-4 mb-lg-0">
                    <h4 class="mb-4">
                        <i class="fas fa-chart-line me-2"></i>Performance IQ
                    </h4>
                    <p>The complete student performance tracking system for schools and colleges.</p>
                    <div class="mt-4">
                        <a href="#" class="social-icon"><i class="fab fa-facebook-f"></i></a>
                        <a href="#" class="social-icon"><i class="fab fa-twitter"></i></a>
                       <a href="https://linkedin.com/in/ghanshyam-jarati-a0046b9287" class="social-icon" target="_blank" rel="noopener noreferrer">
  <i class="fab fa-linkedin-in"></i>
</a>

                        <a href="#" class="social-icon"><i class="fab fa-instagram"></i></a>
                    </div>
                </div>
                <div class="col-lg-2 col-md-6 mb-4 mb-md-0">
                    <h5 class="mb-4">Product</h5>
                    <ul class="list-unstyled">
                        <li class="mb-2"><a href="#" class="text-white text-decoration-none">Features</a></li>
                        <li class="mb-2"><a href="#" class="text-white text-decoration-none">Pricing</a></li>
                        <li class="mb-2"><a href="#" class="text-white text-decoration-none">Demo</a></li>
                        <li class="mb-2"><a href="#" class="text-white text-decoration-none">Updates</a></li>
                    </ul>
                </div>
                <div class="col-lg-2 col-md-6 mb-4 mb-md-0">
                    <h5 class="mb-4">Company</h5>
                    <ul class="list-unstyled">
                        <li class="mb-2"><a href="#" class="text-white text-decoration-none">About</a></li>
                        <li class="mb-2"><a href="#" class="text-white text-decoration-none">Careers</a></li>
                        <li class="mb-2"><a href="#" class="text-white text-decoration-none">Blog</a></li>
                        <li class="mb-2"><a href="#" class="text-white text-decoration-none">Press</a></li>
                    </ul>
                </div>
                <div class="col-lg-4">
                    <h5 class="mb-4">Contact Us</h5>
                    <ul class="list-unstyled">
                        <li class="mb-2"><i class="fas fa-map-marker-alt me-2"></i> 123 Education S v , Bhopal, MP</li>
                        <li class="mb-2"><i class="fas fa-phone me-2"></i> +91 9302242518</li>
                        <li class="mb-2"><i class="fas fa-envelope me-2"></i> info@performanceiq.com</li>
                    </ul>
                </div>
            </div>
            <hr class="my-4 bg-light">
            <div class="row">
```

```html
</a>
                <div class="col-lg-4">
                    <ul class="list-unstyled">
                    </ul>
                </div>
            </div>
            <hr class="my-4 bg-light">
            <div class="row">
                <div class="col-md-6 text-center text-md-start">
                    <p class="small mb-0">&copy; 2025 Performance IQ. All rights reserved.</p>
                </div>
                <div class="col-md-6 text-center text-md-end">
                    <p class="small mb-0">
                        <a href="#" class="text-white text-decoration-none">Privacy Policy</a> |
                        <a href="#" class="text-white text-decoration-none">Terms of Service</a>
                    </p>
                </div>
            </div>
                <div class="col-md-6 text-center text-md-end">
                    <p class="small mb-0">
                        <p >Created By - jannat,Dolly,khushee,Ghanshyam </p>

                    </p>
                </div>
            </div>
        </div>
    </footer>

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/js/bootstrap.bundle.min.js"></script>
    <script>
        // Navbar scroll effect
        window.addEventListener('scroll', function() {
            const navbar = document.querySelector('.navbar');
            if (window.scrollY > 50) {
                navbar.classList.add('scrolled');
            } else {
                navbar.classList.remove('scrolled');
            }
        });

        // Smooth scrolling for anchor links
        document.querySelectorAll('a[href^="#"]').forEach(anchor => {
            anchor.addEventListener('click', function(e) {
                e.preventDefault();
                document.querySelector(this.getAttribute('href')).scrollIntoView({
                    behavior: 'smooth'
                });
            });
        });

        // Auto-rotate the carousel
        document.addEventListener('DOMContentLoaded', function() {
            const myCarousel = document.getElementById('galleryCarousel');
            const carousel = new bootstrap.Carousel(myCarousel, {
                interval: 1500, // Change slide every  seconds
                ride: 'carousel'
            });
        });
    </script>
</body>
</html>

                        </div>
```

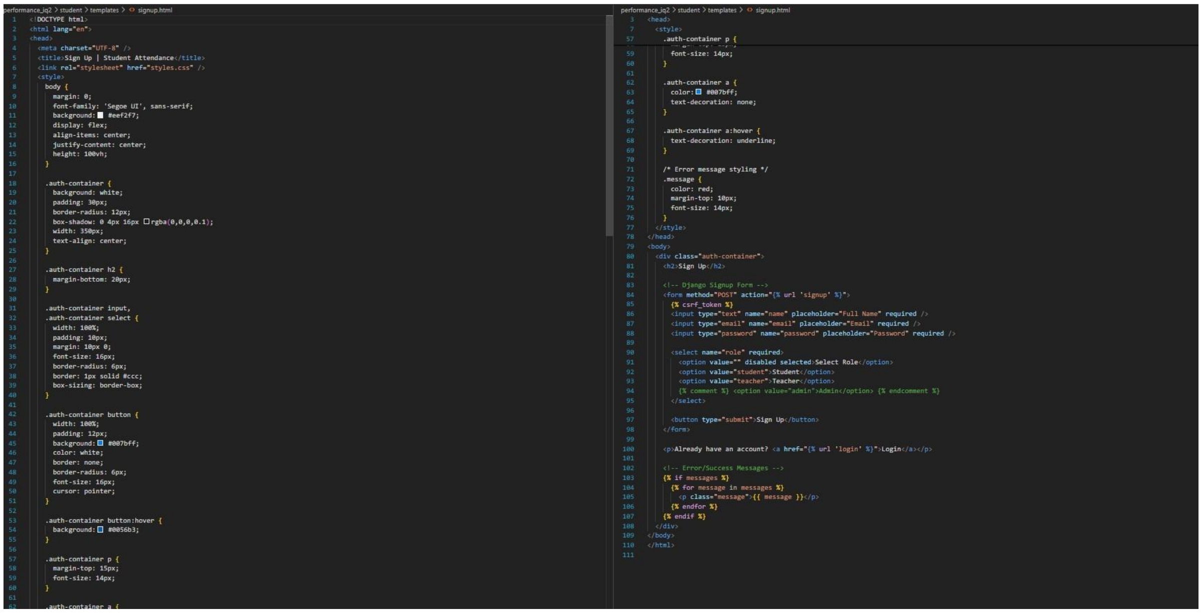
5.1.2 SIGN UP



```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8" />
  <title>Login | Student Attendance</title>
  <link rel="stylesheet" href="styles.css" />
  <style>
    body {
      margin: 0;
      font-family: 'Segoe UI', sans-serif;
      background: #eef2f7;
      display: flex;
      align-items: center;
      justify-content: center;
      height: 100vh;
    }

    .auth-container {
      background: white;
      padding: 30px;
      border-radius: 12px;
      box-shadow: 0 4px 16px rgba(0,0,0,0.1);
      width: 350px;
      text-align: center;
    }

    .auth-container h2 {
      margin-bottom: 20px;
    }

    .auth-container input,
    .auth-container select {
      width: 100%;
      padding: 10px;
      margin: 10px 0;
      font-size: 16px;
      border-radius: 6px;
      border: 1px solid #ccc;
    }

    .auth-container button {
      width: 100%;
      padding: 12px;
      background: #007bff;
      color: white;
      border: none;
      border-radius: 6px;
      font-size: 16px;
      cursor: pointer;
    }

    .auth-container button:hover {
      background: #0056b3;
    }

    .auth-container p {
      margin-top: 15px;
      font-size: 14px;
    }
  </style>
</head>
<body>
  <div class="auth-container">
```

```html
<head>
  <style>
    .auth-container button {
      font-size: 16px;
      cursor: pointer;
    }

    .auth-container button:hover {
      background: #0056b3;
    }

    .auth-container p {
      margin-top: 15px;
      font-size: 14px;
    }
  </style>
</head>
<body>
  <div class="auth-container">
    <h2>Login</h2>

    <!-- Django Login Form -->
    <form method="POST" action="{% url 'login' %}">
      {% csrf_token %}
      <input type="email" name="email" placeholder="Email" required />
      <input type="password" name="password" placeholder="Password" required />

      <select name="role" required>
        <option value="">-- Select Role --</option>
        <option value="student">Student</option>
        <option value="teacher"  >Teacher</option>
        {% comment %} <option value="admin">Admin</option> {% endcomment %}
      </select>

      <button type="submit">Login</button>
    </form>

    <p>Don't have an account? <a href="/signup/">Sign up</a></p>

    <!-- Error Message -->
    {% if messages %}
      {% for message in messages %}
        <p style="color: red;">{{ message }}</p>
      {% endfor %}
    {% endif %}
  </div>
</body>
</html>
```

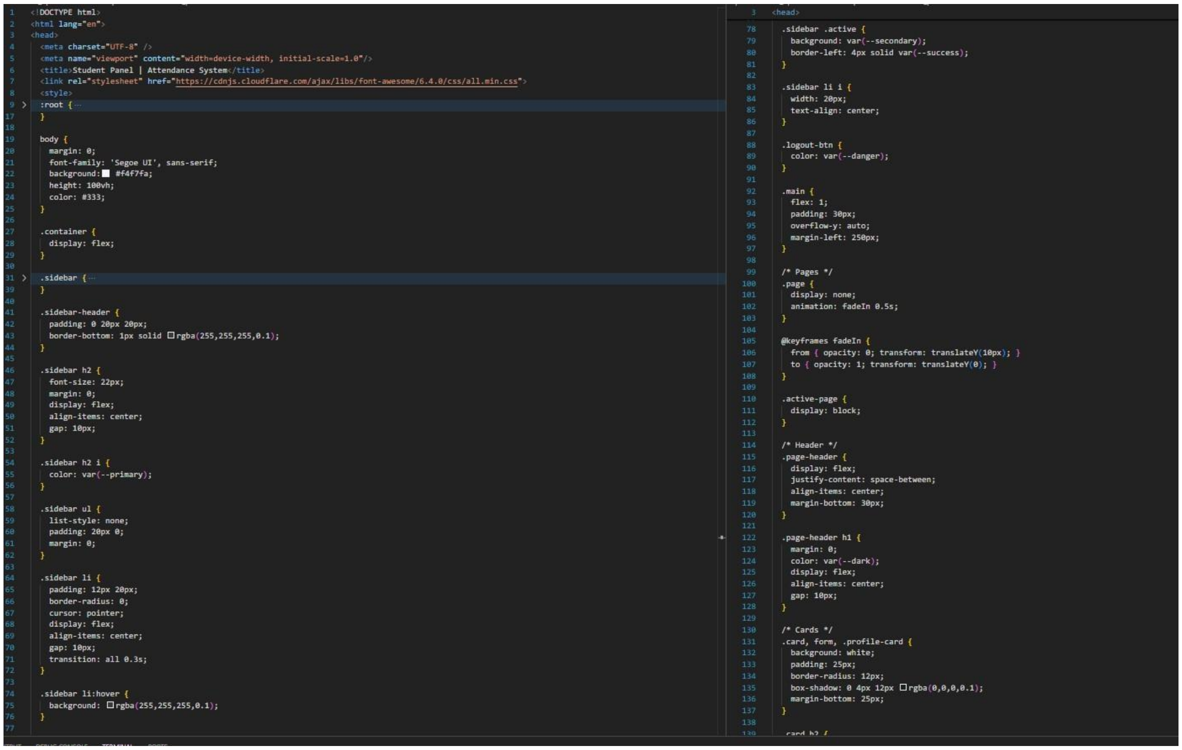
5.1.3 Login Page



```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8" />
  <title>Sign Up | Student Attendance</title>
  <link rel="stylesheet" href="styles.css" />
  <style>
    body {
      margin: 0;
      font-family: 'Segoe UI', sans-serif;
      background: #eef2f7;
      display: flex;
      align-items: center;
      justify-content: center;
      height: 100vh;
    }

    .auth-container {
      background: white;
      padding: 30px;
      border-radius: 12px;
      box-shadow: 0 4px 16px rgba(0,0,0,0.1);
      width: 350px;
      text-align: center;
    }

    .auth-container h2 {
      margin-bottom: 20px;
    }

    .auth-container input,
    .auth-container select {
      width: 100%;
      padding: 10px;
      margin: 10px 0;
      font-size: 16px;
      border-radius: 6px;
      border: 1px solid #ccc;
      box-sizing: border-box;
    }

    .auth-container button {
      width: 100%;
      padding: 12px;
      background: #007bff;
      color: white;
      border: none;
      border-radius: 6px;
      font-size: 16px;
      cursor: pointer;
    }

    .auth-container button:hover {
      background: #0056b3;
    }

    .auth-container p {
      margin-top: 15px;
      font-size: 14px;
    }

    .auth-container a {
```

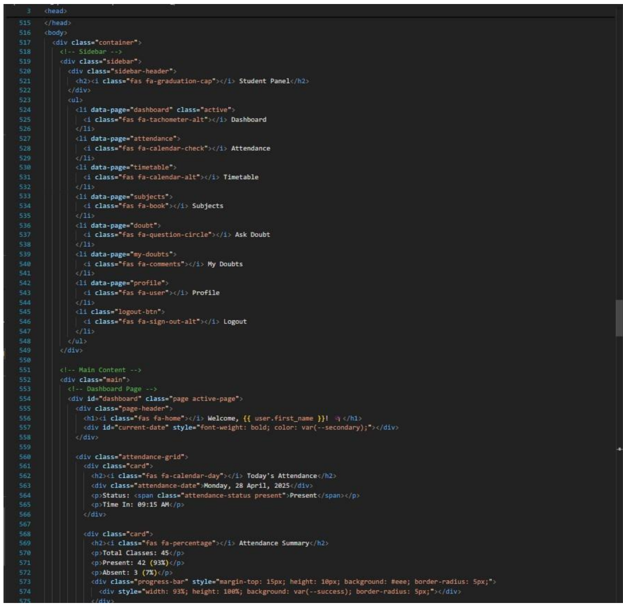
```html
<head>
  <style>
    .auth-container p {
      font-size: 14px;
    }

    .auth-container a {
      color: #007bff;
      text-decoration: none;
    }

    .auth-container a:hover {
      text-decoration: underline;
    }

    /* Error message styling */
    .message {
      color: red;
      margin-top: 10px;
      font-size: 14px;
    }
  </style>
</head>
<body>
  <div class="auth-container">
    <h2>Sign Up</h2>

    <!-- Django Signup Form -->
    <form method="POST" action="{% url 'signup' %}">
      {% csrf_token %}
      <input type="text" name="name" placeholder="Full Name" required />
      <input type="email" name="email" placeholder="Email" required />
      <input type="password" name="password" placeholder="Password" required />

      <select name="role" required>
        <option value="" disabled selected>Select Role</option>
        <option value="student">Student</option>
        <option value="teacher">Teacher</option>
        {% comment %} <option value="admin">Admin</option> {% endcomment %}
      </select>

      <button type="submit">Sign Up</button>
    </form>

    <p>Already have an account? <a href="{% url 'login' %}">Login</a></p>

    <!-- Error/Success Messages -->
    {% if messages %}
      {% for message in messages %}
        <p class="message">{{ message }}</p>
      {% endfor %}
    {% endif %}
  </div>
</body>
</html>
```

5.1.4 student panel

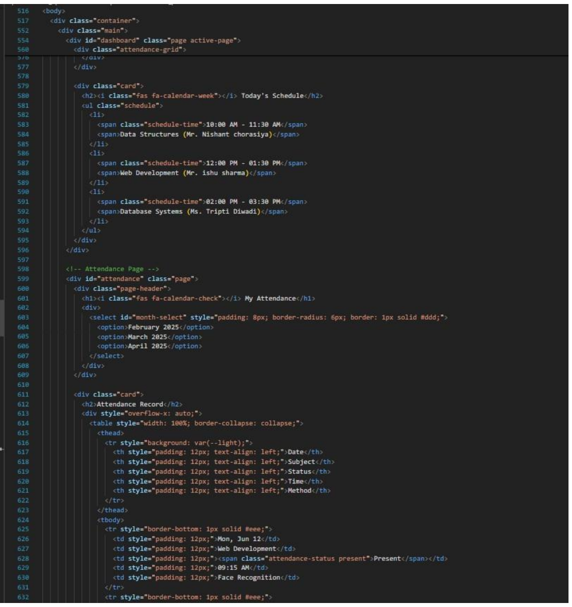


```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8" />
  <meta name="viewport" content="width=device-width, initial-scale=1.0"/>
  <title>Student Panel | Attendance System</title>
  <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.4.0/css/all.min.css">
  <style>
  :root {⋯
  }

  body {
    margin: 0;
    font-family: 'Segoe UI', sans-serif;
    background: #f4f7fa;
    height: 100vh;
    color: #333;
  }

  .container {
    display: flex;
  }

  .sidebar {⋯
  }

  .sidebar-header {
    padding: 0 20px 20px;
    border-bottom: 1px solid rgba(255,255,255,0.1);
  }

  .sidebar h2 {
    font-size: 22px;
    margin: 0;
    display: flex;
    align-items: center;
    gap: 10px;
  }

  .sidebar h2 i {
    color: var(--primary);
  }

  .sidebar ul {
    list-style: none;
    padding: 20px 0;
    margin: 0;
  }

  .sidebar li {
    padding: 12px 20px;
    border-radius: 0;
    cursor: pointer;
    display: flex;
    align-items: center;
    gap: 10px;
    transition: all 0.3s;
  }

  .sidebar li:hover {
    background: rgba(255,255,255,0.1);
  }

```

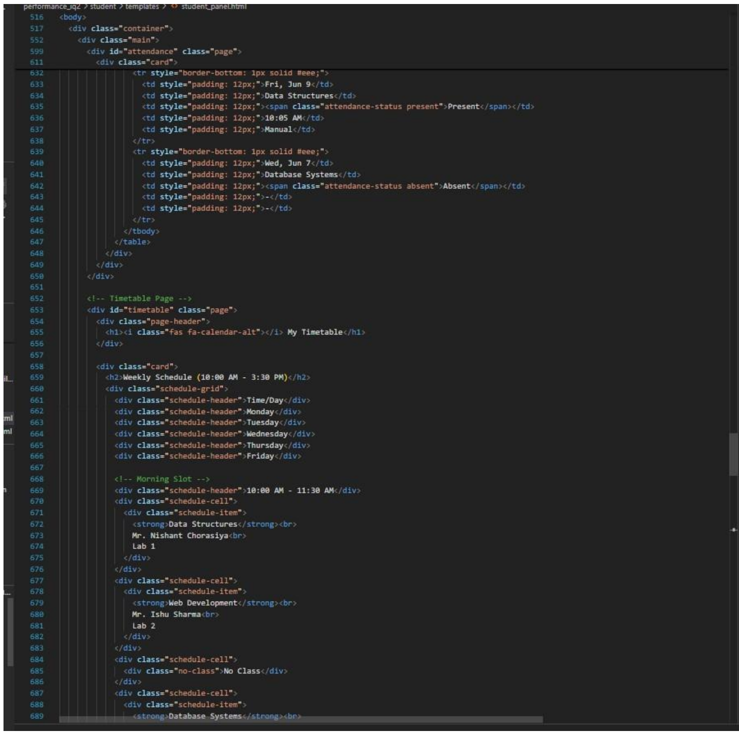
```css
<head>
  .sidebar .active {
    background: var(--secondary);
    border-left: 4px solid var(--success);
  }

  .sidebar li i {
    width: 20px;
    text-align: center;
  }

  .logout-btn {
    color: var(--danger);
  }

  .main {
    flex: 1;
    padding: 30px;
    overflow-y: auto;
    margin-left: 250px;
  }

  /* Pages */
  .page {
    display: none;
    animation: fadeIn 0.5s;
  }

  @keyframes fadeIn {
    from { opacity: 0; transform: translateY(10px); }
    to { opacity: 1; transform: translateY(0); }
  }

  .active-page {
    display: block;
  }

  /* Header */
  .page-header {
    display: flex;
    justify-content: space-between;
    align-items: center;
    margin-bottom: 30px;
  }

  .page-header h1 {
    margin: 0;
    color: var(--dark);
    display: flex;
    align-items: center;
    gap: 10px;
  }

  /* Cards */
  .card, form, .profile-card {
    background: white;
    padding: 25px;
    border-radius: 12px;
    box-shadow: 0 4px 12px rgba(0,0,0,0.1);
    margin-bottom: 25px;
  }

  .card h2 {
```



```
<head>
</head>
<body>
  <div class="container">
    <!-- Sidebar -->
    <div class="sidebar">
      <div class="sidebar-header">
        <h2><i class="fas fa-graduation-cap"></i> Student Panel</h2>
      </div>
      <ul>
        <li data-page="dashboard" class="active">
          <i class="fas fa-tachometer-alt"></i> Dashboard
        </li>
        <li data-page="attendance">
          <i class="fas fa-calendar-check"></i> Attendance
        </li>
        <li data-page="timetable">
          <i class="fas fa-calendar-alt"></i> Timetable
        </li>
        <li data-page="subjects">
          <i class="fas fa-book"></i> Subjects
        </li>
        <li data-page="doubt">
          <i class="fas fa-question-circle"></i> Ask Doubt
        </li>
        <li data-page="my-doubts">
          <i class="fas fa-comments"></i> My Doubts
        </li>
        <li data-page="profile">
          <i class="fas fa-user"></i> Profile
        </li>
        <li class="logout-btn">
          <i class="fas fa-sign-out-alt"></i> Logout
        </li>
      </ul>
    </div>

    <!-- Main Content -->
    <div class="main">
      <!-- Dashboard Page -->
      <div id="dashboard" class="page active-page">
        <div class="page-header">
          <h1><i class="fas fa-home"></i> Welcome, {{ user.first_name }}! 👋 </h1>
          <div id="current-date" style="font-weight: bold; color: var(--secondary);"></div>
        </div>

        <div class="attendance-grid">
          <div class="card">
            <h2><i class="fas fa-calendar-day"></i> Today's Attendance</h2>
            <div class="attendance-date">Monday, 28 April, 2025</div>
            <p>Status: <span class="attendance-status present">Present</span></p>
            <p>Time In: 09:15 AM</p>
          </div>

          <div class="card">
            <h2><i class="fas fa-percentage"></i> Attendance Summary</h2>
            <p>Total Classes: 45</p>
            <p>Present: 42 (93%)</p>
            <p>Absent: 3 (7%)</p>
            <div class="progress-bar" style="margin-top: 15px; height: 10px; background: #eee; border-radius: 5px;">
              <div style="width: 93%; height: 100%; background: var(--success); border-radius: 5px;"></div>
            </div>
```

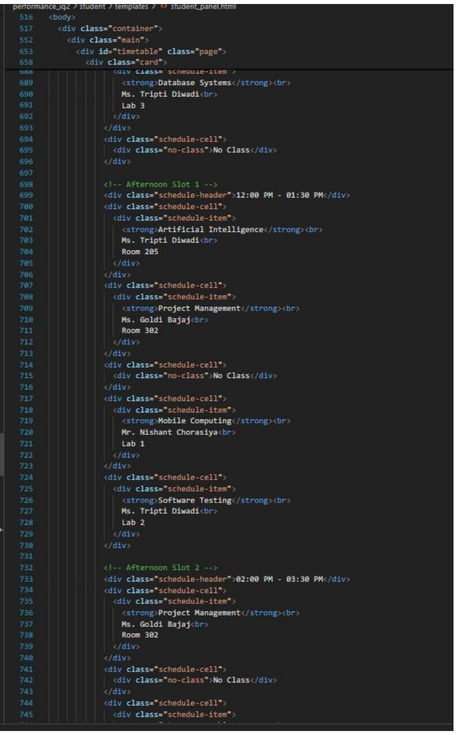


```
<body>
  <div class="container">
    <div class="main">
      <div id="dashboard" class="page active-page">
        <div class="attendance-grid">
            </div>
          </div>

          <div class="card">
            <h2><i class="fas fa-calendar-week"></i> Today's Schedule</h2>
            <ul class="schedule">
              <li>
                <span class="schedule-time">10:00 AM - 11:30 AM</span>
                <span>Data Structures (Mr. Nishant chorasiya)</span>
              </li>
              <li>
                <span class="schedule-time">12:00 PM - 01:30 PM</span>
                <span>Web Development (Mr. ishu sharma)</span>
              </li>
              <li>
                <span class="schedule-time">02:00 PM - 03:30 PM</span>
                <span>Database Systems (Ms. Tripti Diwadi)</span>
              </li>
            </ul>
          </div>
        </div>

      <!-- Attendance Page -->
      <div id="attendance" class="page">
        <div class="page-header">
          <h1><i class="fas fa-calendar-check"></i> My Attendance</h1>
          <div>
            <select id="month-select" style="padding: 8px; border-radius: 6px; border: 1px solid #ddd;">
              <option>February 2025</option>
              <option>March 2025</option>
              <option>April 2025</option>
            </select>
          </div>
        </div>

        <div class="card">
          <h2>Attendance Record</h2>
          <div style="overflow-x: auto;">
            <table style="width: 100%; border-collapse: collapse;">
              <thead>
                <tr style="background: var(--light);">
                  <th style="padding: 12px; text-align: left;">Date</th>
                  <th style="padding: 12px; text-align: left;">Subject</th>
                  <th style="padding: 12px; text-align: left;">Status</th>
                  <th style="padding: 12px; text-align: left;">Time</th>
                  <th style="padding: 12px; text-align: left;">Method</th>
                </tr>
              </thead>
              <tbody>
                <tr style="border-bottom: 1px solid #eee;">
                  <td style="padding: 12px;">Mon, Jun 12</td>
                  <td style="padding: 12px;">Web Development</td>
                  <td style="padding: 12px;"><span class="attendance-status present">Present</span></td>
                  <td style="padding: 12px;">09:15 AM</td>
                  <td style="padding: 12px;">Face Recognition</td>
                </tr>
                <tr style="border-bottom: 1px solid #eee;">
```



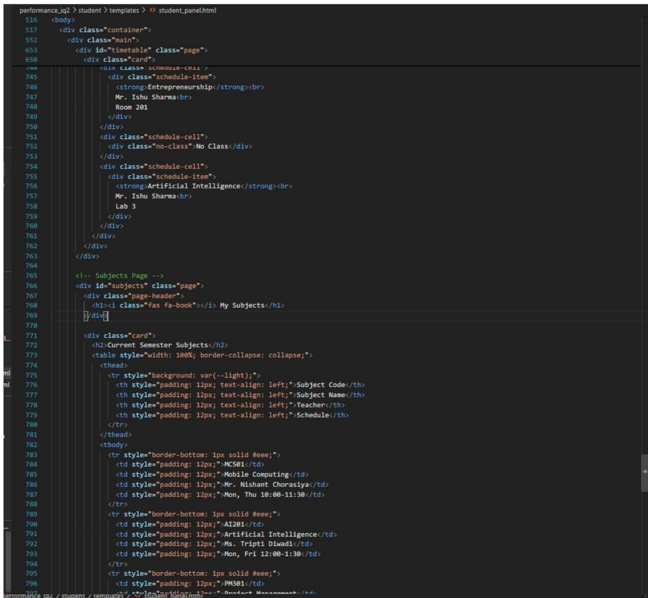
performance_iq2 > student > templates > student_panel.html

```
<body>
  <div class="container">
    <div class="main">
      <div id="attendance" class="page">
        <div class="card">
                <tr style="border-bottom: 1px solid #eee;">
                  <td style="padding: 12px;">Fri, Jun 9</td>
                  <td style="padding: 12px;">Data Structures</td>
                  <td style="padding: 12px;"><span class="attendance-status present">Present</span></td>
                  <td style="padding: 12px;">10:05 AM</td>
                  <td style="padding: 12px;">Manual</td>
                </tr>
                <tr style="border-bottom: 1px solid #eee;">
                  <td style="padding: 12px;">Wed, Jun 7</td>
                  <td style="padding: 12px;">Database Systems</td>
                  <td style="padding: 12px;"><span class="attendance-status absent">Absent</span></td>
                  <td style="padding: 12px;">-</td>
                  <td style="padding: 12px;">-</td>
                </tr>
              </tbody>
            </table>
          </div>
        </div>
      </div>

      <!-- Timetable Page -->
      <div id="timetable" class="page">
        <div class="page-header">
          <h1><i class="fas fa-calendar-alt"></i> My Timetable</h1>
        </div>

        <div class="card">
          <h2>Weekly Schedule (10:00 AM - 3:30 PM)</h2>
          <div class="schedule-grid">
            <div class="schedule-header">Time/Day</div>
            <div class="schedule-header">Monday</div>
            <div class="schedule-header">Tuesday</div>
            <div class="schedule-header">Wednesday</div>
            <div class="schedule-header">Thursday</div>
            <div class="schedule-header">Friday</div>

            <!-- Morning Slot -->
            <div class="schedule-header">10:00 AM - 11:30 AM</div>
            <div class="schedule-cell">
              <div class="schedule-item">
                <strong>Data Structures</strong><br>
                Mr. Nishant Chorasiya<br>
                Lab 1
              </div>
            </div>
            <div class="schedule-cell">
              <div class="schedule-item">
                <strong>Web Development</strong><br>
                Mr. Ishu Sharma<br>
                Lab 2
              </div>
            </div>
            <div class="schedule-cell">
              <div class="no-class">No Class</div>
            </div>
            <div class="schedule-cell">
              <div class="schedule-item">
                <strong>Database Systems</strong><br>
```



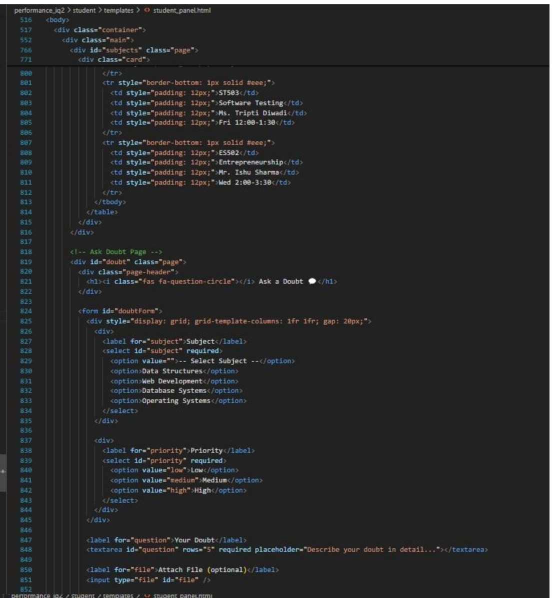
performance_iq2 > student > templates > student_panel.html

```
<body>
  <div class="container">
    <div class="main">
      <div id="timetable" class="page">
        <div class="card">
              <div class="schedule-item">
                <strong>Database Systems</strong><br>
                Ms. Tripti Diwadi<br>
                Lab 3
              </div>
            </div>
            <div class="schedule-cell">
              <div class="no-class">No Class</div>
            </div>

            <!-- Afternoon Slot 1 -->
            <div class="schedule-header">12:00 PM - 01:30 PM</div>
            <div class="schedule-cell">
              <div class="schedule-item">
                <strong>Artificial Intelligence</strong><br>
                Ms. Tripti Diwadi<br>
                Room 205
              </div>
            </div>
            <div class="schedule-cell">
              <div class="schedule-item">
                <strong>Project Management</strong><br>
                Ms. Goldi Bajaj<br>
                Room 302
              </div>
            </div>
            <div class="schedule-cell">
              <div class="no-class">No Class</div>
            </div>
            <div class="schedule-cell">
              <div class="schedule-item">
                <strong>Mobile Computing</strong><br>
                Mr. Nishant Chorasiya<br>
                Lab 1
              </div>
            </div>
            <div class="schedule-cell">
              <div class="schedule-item">
                <strong>Software Testing</strong><br>
                Ms. Tripti Diwadi<br>
                Lab 2
              </div>
            </div>

            <!-- Afternoon Slot 2 -->
            <div class="schedule-header">02:00 PM - 03:30 PM</div>
            <div class="schedule-cell">
              <div class="schedule-item">
                <strong>Project Management</strong><br>
                Ms. Goldi Bajaj<br>
                Room 302
              </div>
            </div>
            <div class="schedule-cell">
              <div class="no-class">No Class</div>
            </div>
            <div class="schedule-cell">
              <div class="schedule-item">
```



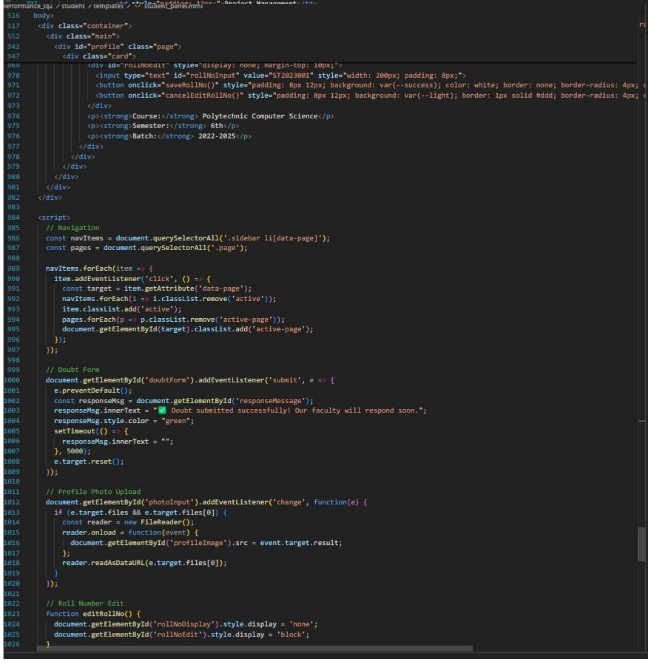
performance_iq2 > student > templates > student_panel.html

```html
<body>
  <div class="container">
    <div class="main">
      <div id="timetable" class="page">
        <div class="card">
              <div class="schedule-cell">
                <div class="schedule-item">
                  <strong>Entrepreneurship</strong><br>
                  Mr. Ishu Sharma<br>
                  Room 201
                </div>
              </div>
              <div class="schedule-cell">
                <div class="no-class">No Class</div>
              </div>
              <div class="schedule-cell">
                <div class="schedule-item">
                  <strong>Artificial Intelligence</strong><br>
                  Mr. Ishu Sharma<br>
                  Lab 3
                </div>
              </div>
            </div>
          </div>
        </div>
      </div>

      <!-- Subjects Page -->
      <div id="subjects" class="page">
        <div class="page-header">
          <h1><i class="fas fa-book"></i> My Subjects</h1>
        </div>

        <div class="card">
          <h2>Current Semester Subjects</h2>
          <table style="width: 100%; border-collapse: collapse;">
            <thead>
              <tr style="background: var(--light);">
                <th style="padding: 12px; text-align: left;">Subject Code</th>
                <th style="padding: 12px; text-align: left;">Subject Name</th>
                <th style="padding: 12px; text-align: left;">Teacher</th>
                <th style="padding: 12px; text-align: left;">Schedule</th>
              </tr>
            </thead>
            <tbody>
              <tr style="border-bottom: 1px solid #eee;">
                <td style="padding: 12px;">MC501</td>
                <td style="padding: 12px;">Mobile Computing</td>
                <td style="padding: 12px;">Mr. Nishant Chorasiya</td>
                <td style="padding: 12px;">Mon, Thu 10:00-11:30</td>
              </tr>
              <tr style="border-bottom: 1px solid #eee;">
                <td style="padding: 12px;">AI201</td>
                <td style="padding: 12px;">Artificial Intelligence</td>
                <td style="padding: 12px;">Ms. Tripti Diwadi</td>
                <td style="padding: 12px;">Mon, Fri 12:00-1:30</td>
              </tr>
              <tr style="border-bottom: 1px solid #eee;">
                <td style="padding: 12px;">PM301</td>
                <td style="padding: 12px;">Project Management</td>
```



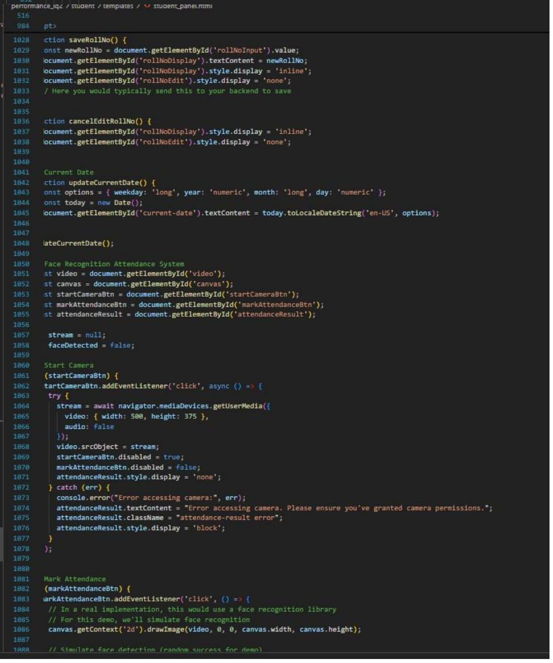
performance_iq2 > student > templates > student_panel.html

```html
<body>
  <div class="container">
    <div class="main">
      <div id="subjects" class="page">
        <div class="card">
              </tr>
              <tr style="border-bottom: 1px solid #eee;">
                <td style="padding: 12px;">ST503</td>
                <td style="padding: 12px;">Software Testing</td>
                <td style="padding: 12px;">Ms. Tripti Diwadi</td>
                <td style="padding: 12px;">Fri 12:00-1:30</td>
              </tr>
              <tr style="border-bottom: 1px solid #eee;">
                <td style="padding: 12px;">ES502</td>
                <td style="padding: 12px;">Entrepreneurship</td>
                <td style="padding: 12px;">Mr. Ishu Sharma</td>
                <td style="padding: 12px;">Wed 2:00-3:30</td>
              </tr>
            </tbody>
          </table>
        </div>
      </div>

      <!-- Ask Doubt Page -->
      <div id="doubt" class="page">
        <div class="page-header">
          <h1><i class="fas fa-question-circle"></i> Ask a Doubt 💬</h1>
        </div>

        <form id="doubtForm">
          <div style="display: grid; grid-template-columns: 1fr 1fr; gap: 20px;">
            <div>
              <label for="subject">Subject</label>
              <select id="subject" required>
                <option value="">-- Select Subject --</option>
                <option>Data Structures</option>
                <option>Web Development</option>
                <option>Database Systems</option>
                <option>Operating Systems</option>
              </select>
            </div>

            <div>
              <label for="priority">Priority</label>
              <select id="priority" required>
                <option value="low">Low</option>
                <option value="medium">Medium</option>
                <option value="high">High</option>
              </select>
            </div>
          </div>

          <label for="question">Your Doubt</label>
          <textarea id="question" rows="5" required placeholder="Describe your doubt in detail..."></textarea>

          <label for="file">Attach File (optional)</label>
          <input type="file" id="file" />

```



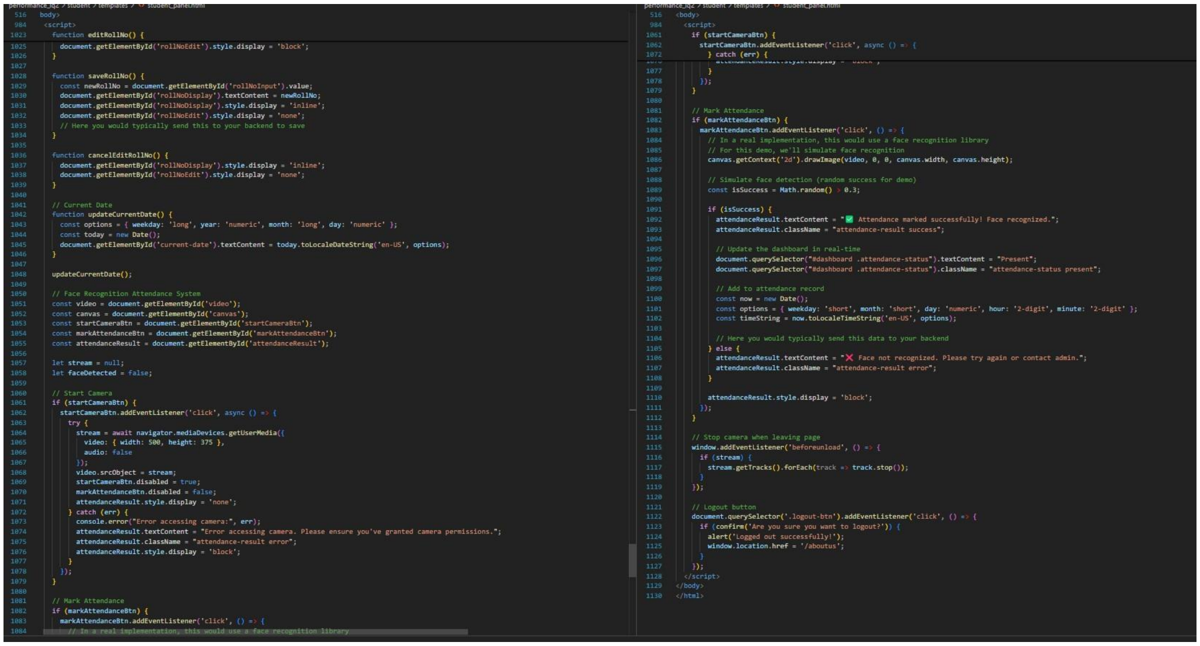
performance_iq2 > student > templates > student_panel.html

```html
body>
 <div class="container">
   <div class="main">
     <div id="profile" class="page">
       <div class="card">
             <div id="rollNoEdit" style="display: none; margin-top: 10px;">
               <input type="text" id="rollNoInput" value="ST2023001" style="width: 200px; padding: 8px;">
               <button onclick="saveRollNo()" style="padding: 8px 12px; background: var(--success); color: white; border: none; border-radius: 4px;
               <button onclick="cancelEditRollNo()" style="padding: 8px 12px; background: var(--light); border: 1px solid #ddd; border-radius: 4px;
             </div>
             <p><strong>Course:</strong> Polytechnic Computer Science</p>
             <p><strong>Semester:</strong> 6th</p>
             <p><strong>Batch:</strong> 2022-2025</p>
           </div>
         </div>
       </div>
     </div>
   </div>
 </div>

 <script>
   // Navigation
   const navItems = document.querySelectorAll('.sidebar li[data-page]');
   const pages = document.querySelectorAll('.page');

   navItems.forEach(item => {
     item.addEventListener('click', () => {
       const target = item.getAttribute('data-page');
       navItems.forEach(i => i.classList.remove('active'));
       item.classList.add('active');
       pages.forEach(p => p.classList.remove('active-page'));
       document.getElementById(target).classList.add('active-page');
     });
   });

   // Doubt Form
   document.getElementById('doubtForm').addEventListener('submit', e => {
     e.preventDefault();
     const responseMsg = document.getElementById('responseMessage');
     responseMsg.innerText = "✅ Doubt submitted successfully! Our faculty will respond soon.";
     responseMsg.style.color = "green";
     setTimeout(() => {
       responseMsg.innerText = "";
     }, 5000);
     e.target.reset();
   });

   // Profile Photo Upload
   document.getElementById('photoInput').addEventListener('change', function(e) {
     if (e.target.files && e.target.files[0]) {
       const reader = new FileReader();
       reader.onload = function(event) {
         document.getElementById('profileImage').src = event.target.result;
       };
       reader.readAsDataURL(e.target.files[0]);
     }
   });

   // Roll Number Edit
   function editRollNo() {
     document.getElementById('rollNoDisplay').style.display = 'none';
     document.getElementById('rollNoEdit').style.display = 'block';
   }
```



performance_iq2 > student > templates > student_panel.html

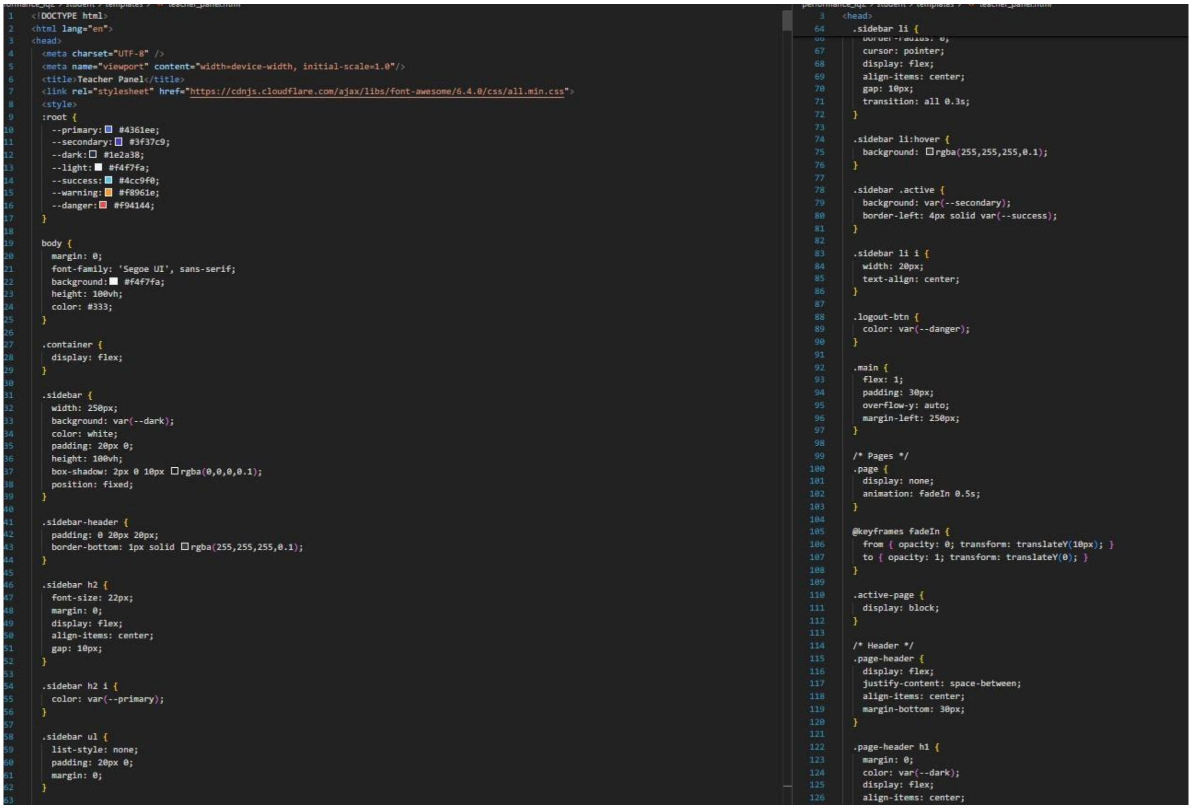
```javascript

pt>
ction saveRollNo() {
onst newRollNo = document.getElementById('rollNoInput').value;
ocument.getElementById('rollNoDisplay').textContent = newRollNo;
ocument.getElementById('rollNoDisplay').style.display = 'inline';
ocument.getElementById('rollNoEdit').style.display = 'none';
/ Here you would typically send this to your backend to save


ction cancelEditRollNo() {
ocument.getElementById('rollNoDisplay').style.display = 'inline';
ocument.getElementById('rollNoEdit').style.display = 'none';


Current Date
ction updateCurrentDate() {
onst options = { weekday: 'long', year: 'numeric', month: 'long', day: 'numeric' };
onst today = new Date();
ocument.getElementById('current-date').textContent = today.toLocaleDateString('en-US', options);


ateCurrentDate();

Face Recognition Attendance System
st video = document.getElementById('video');
st canvas = document.getElementById('canvas');
st startCameraBtn = document.getElementById('startCameraBtn');
st markAttendanceBtn = document.getElementById('markAttendanceBtn');
st attendanceResult = document.getElementById('attendanceResult');

 stream = null;
 faceDetected = false;

Start Camera
(startCameraBtn) {
tartCameraBtn.addEventListener('click', async () => {
 try {
   stream = await navigator.mediaDevices.getUserMedia({
     video: { width: 500, height: 375 },
     audio: false
   });
   video.srcObject = stream;
   startCameraBtn.disabled = true;
   markAttendanceBtn.disabled = false;
   attendanceResult.style.display = 'none';
 } catch (err) {
   console.error("Error accessing camera:", err);
   attendanceResult.textContent = "Error accessing camera. Please ensure you've granted camera permissions.";
   attendanceResult.className = "attendance-result error";
   attendanceResult.style.display = 'block';
 }
);


Mark Attendance
(markAttendanceBtn) {
arkAttendanceBtn.addEventListener('click', () => {
 // In a real implementation, this would use a face recognition library
 // For this demo, we'll simulate face recognition
 canvas.getContext('2d').drawImage(video, 0, 0, canvas.width, canvas.height);

 // Simulate face detection (random success for demo)
```



```
performance_iq2 > student > templates > student_panel.html
 body>
  <script>
    function editRollNo() {
      document.getElementById('rollNoEdit').style.display = 'block';
    }

    function saveRollNo() {
      const newRollNo = document.getElementById('rollNoInput').value;
      document.getElementById('rollNoDisplay').textContent = newRollNo;
      document.getElementById('rollNoDisplay').style.display = 'inline';
      document.getElementById('rollNoEdit').style.display = 'none';
      // Here you would typically send this to your backend to save
    }

    function cancelEditRollNo() {
      document.getElementById('rollNoDisplay').style.display = 'inline';
      document.getElementById('rollNoEdit').style.display = 'none';
    }

    // Current Date
    function updateCurrentDate() {
      const options = { weekday: 'long', year: 'numeric', month: 'long', day: 'numeric' };
      const today = new Date();
      document.getElementById('current-date').textContent = today.toLocaleDateString('en-US', options);
    }

    updateCurrentDate();

    // Face Recognition Attendance System
    const video = document.getElementById('video');
    const canvas = document.getElementById('canvas');
    const startCameraBtn = document.getElementById('startCameraBtn');
    const markAttendanceBtn = document.getElementById('markAttendanceBtn');
    const attendanceResult = document.getElementById('attendanceResult');

    let stream = null;
    let faceDetected = false;

    // Start Camera
    if (startCameraBtn) {
      startCameraBtn.addEventListener('click', async () => {
        try {
          stream = await navigator.mediaDevices.getUserMedia({
            video: { width: 500, height: 375 },
            audio: false
          });
          video.srcObject = stream;
          startCameraBtn.disabled = true;
          markAttendanceBtn.disabled = false;
          attendanceResult.style.display = 'none';
        } catch (err) {
          console.error("Error accessing camera:", err);
          attendanceResult.textContent = "Error accessing camera. Please ensure you've granted camera permissions.";
          attendanceResult.className = "attendance-result error";
          attendanceResult.style.display = 'block';
        }
      });
    }

    // Mark Attendance
    if (markAttendanceBtn) {
      markAttendanceBtn.addEventListener('click', () => {
        // In a real implementation, this would use a face recognition library
```

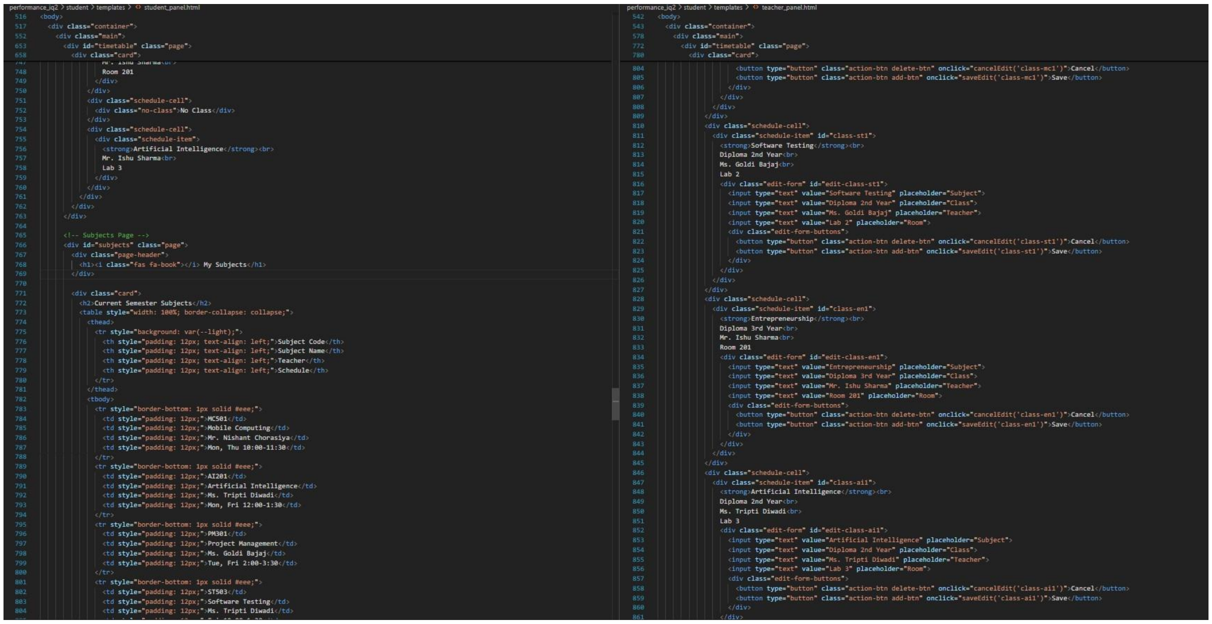
```
performance_iq2 > student > templates > student_panel.html
 <body>
  <script>
    if (startCameraBtn) {
      startCameraBtn.addEventListener('click', async () => {
        } catch (err) {
          attendanceResult.style.display = 'block';
        }
      });
    }

    // Mark Attendance
    if (markAttendanceBtn) {
      markAttendanceBtn.addEventListener('click', () => {
        // In a real implementation, this would use a face recognition library
        // For this demo, we'll simulate face recognition
        canvas.getContext('2d').drawImage(video, 0, 0, canvas.width, canvas.height);

        // Simulate face detection (random success for demo)
        const isSuccess = Math.random() > 0.3;

        if (isSuccess) {
          attendanceResult.textContent = "✅ Attendance marked successfully! Face recognized.";
          attendanceResult.className = "attendance-result success";

          // Update the dashboard in real-time
          document.querySelector("#dashboard .attendance-status").textContent = "Present";
          document.querySelector("#dashboard .attendance-status").className = "attendance-status present";

          // Add to attendance record
          const now = new Date();
          const options = { weekday: 'short', month: 'short', day: 'numeric', hour: '2-digit', minute: '2-digit' };
          const timeString = now.toLocaleTimeString('en-US', options);

          // Here you would typically send this data to your backend
        } else {
          attendanceResult.textContent = "❌ Face not recognized. Please try again or contact admin.";
          attendanceResult.className = "attendance-result error";
        }

        attendanceResult.style.display = 'block';
      });
    }

    // Stop camera when leaving page
    window.addEventListener('beforeunload', () => {
      if (stream) {
        stream.getTracks().forEach(track => track.stop());
      }
    });

    // Logout button
    document.querySelector('.logout-btn').addEventListener('click', () => {
      if (confirm('Are you sure you want to logout?')) {
        alert('Logged out successfully!');
        window.location.href = '/aboutus';
      }
    });
  </script>
</body>
</html>
```

5.1.5 Teacher panel



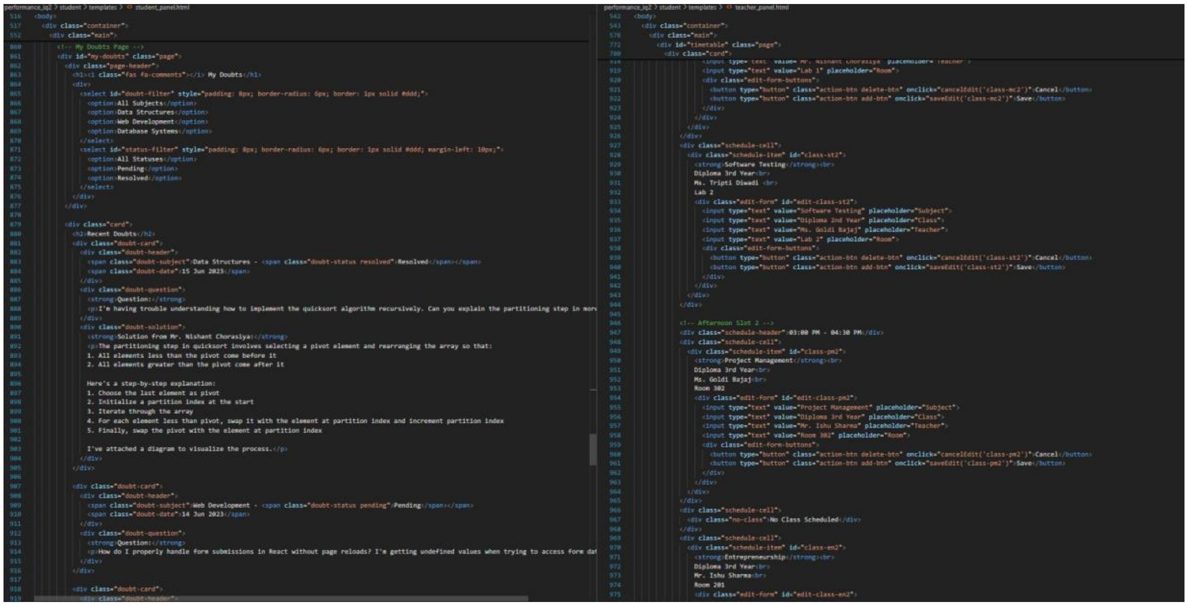
```
performance_iq2 > student > templates > teacher_panel.html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8" />
  <meta name="viewport" content="width=device-width, initial-scale=1.0"/>
  <title>Teacher Panel</title>
  <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.4.0/css/all.min.css">
  <style>
  :root {
    --primary: ■ #4361ee;
    --secondary: ■ #3f37c9;
    --dark: □ #1e2a38;
    --light: ■ #f4f7fa;
    --success: ■ #4cc9f0;
    --warning: ■ #f8961e;
    --danger: ■ #f94144;
  }

  body {
    margin: 0;
    font-family: 'Segoe UI', sans-serif;
    background: ■ #f4f7fa;
    height: 100vh;
    color: #333;
  }

  .container {
    display: flex;
  }

  .sidebar {
    width: 250px;
    background: var(--dark);
    color: white;
    padding: 20px 0;
    height: 100vh;
    box-shadow: 2px 0 10px □rgba(0,0,0,0.1);
    position: fixed;
  }

  .sidebar-header {
    padding: 0 20px 20px;
    border-bottom: 1px solid □rgba(255,255,255,0.1);
  }

  .sidebar h2 {
    font-size: 22px;
    margin: 0;
    display: flex;
    align-items: center;
    gap: 10px;
  }

  .sidebar h2 i {
    color: var(--primary);
  }

  .sidebar ul {
    list-style: none;
    padding: 20px 0;
    margin: 0;
  }

```

```
performance_iq2 > student > templates > teacher_panel.html
<head>
  .sidebar li {
    border-radius: 0;
    cursor: pointer;
    display: flex;
    align-items: center;
    gap: 10px;
    transition: all 0.3s;
  }

  .sidebar li:hover {
    background: □rgba(255,255,255,0.1);
  }

  .sidebar .active {
    background: var(--secondary);
    border-left: 4px solid var(--success);
  }

  .sidebar li i {
    width: 20px;
    text-align: center;
  }

  .logout-btn {
    color: var(--danger);
  }

  .main {
    flex: 1;
    padding: 30px;
    overflow-y: auto;
    margin-left: 250px;
  }

  /* Pages */
  .page {
    display: none;
    animation: fadeIn 0.5s;
  }

  @keyframes fadeIn {
    from { opacity: 0; transform: translateY(10px); }
    to { opacity: 1; transform: translateY(0); }
  }

  .active-page {
    display: block;
  }

  /* Header */
  .page-header {
    display: flex;
    justify-content: space-between;
    align-items: center;
    margin-bottom: 30px;
  }

  .page-header h1 {
    margin: 0;
    color: var(--dark);
    display: flex;
    align-items: center;
```



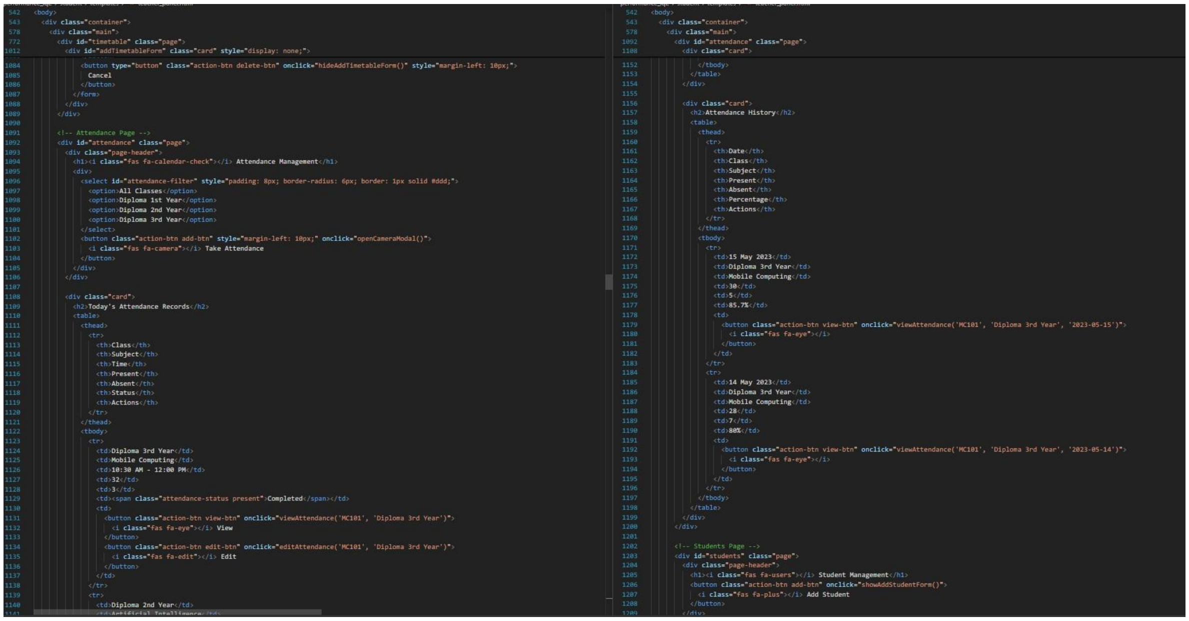
```html
<body>
  <div class="container">
    <div class="main">
      <div id="timetable" class="page">
        <div class="card">
                Mr. Ishu Sharma<br>
                Room 201
              </div>
            </div>
            <div class="schedule-cell">
              <div class="no-class">No Class</div>
            </div>
            <div class="schedule-cell">
              <div class="schedule-item">
                <strong>Artificial Intelligence</strong><br>
                Mr. Ishu Sharma<br>
                Lab 3
              </div>
            </div>
          </div>
        </div>
      </div>

      <!-- Subjects Page -->
      <div id="subjects" class="page">
        <div class="page-header">
          <h1><i class="fas fa-book"></i> My Subjects</h1>
        </div>

        <div class="card">
          <h2>Current Semester Subjects</h2>
          <table style="width: 100%; border-collapse: collapse;">
            <thead>
              <tr style="background: var(--light);">
                <th style="padding: 12px; text-align: left;">Subject Code</th>
                <th style="padding: 12px; text-align: left;">Subject Name</th>
                <th style="padding: 12px; text-align: left;">Teacher</th>
                <th style="padding: 12px; text-align: left;">Schedule</th>
              </tr>
            </thead>
            <tbody>
              <tr style="border-bottom: 1px solid #eee;">
                <td style="padding: 12px;">MC501</td>
                <td style="padding: 12px;">Mobile Computing</td>
                <td style="padding: 12px;">Mr. Nishant Chorasiya</td>
                <td style="padding: 12px;">Mon, Thu 10:00-11:30</td>
              </tr>
              <tr style="border-bottom: 1px solid #eee;">
                <td style="padding: 12px;">AI201</td>
                <td style="padding: 12px;">Artificial Intelligence</td>
                <td style="padding: 12px;">Ms. Tripti Diwadi</td>
                <td style="padding: 12px;">Mon, Fri 12:00-1:30</td>
              </tr>
              <tr style="border-bottom: 1px solid #eee;">
                <td style="padding: 12px;">PM301</td>
                <td style="padding: 12px;">Project Management</td>
                <td style="padding: 12px;">Ms. Goldi Bajaj</td>
                <td style="padding: 12px;">Tue, Fri 2:00-3:30</td>
              </tr>
              <tr style="border-bottom: 1px solid #eee;">
                <td style="padding: 12px;">ST503</td>
                <td style="padding: 12px;">Software Testing</td>
                <td style="padding: 12px;">Ms. Tripti Diwadi</td>
```

```html
<body>
  <div class="container">
    <div class="main">
      <div id="timetable" class="page">
        <div class="card">
                    <button type="button" class="action-btn delete-btn" onclick="cancelEdit('class-mc1')">Cancel</button>
                    <button type="button" class="action-btn add-btn" onclick="saveEdit('class-mc1')">Save</button>
                  </div>
                </div>
              </div>
            </div>
            <div class="schedule-cell">
              <div class="schedule-item" id="class-st1">
                <strong>Software Testing</strong><br>
                Diploma 2nd Year<br>
                Ms. Goldi Bajaj<br>
                Lab 2
                <div class="edit-form" id="edit-class-st1">
                  <input type="text" value="Software Testing" placeholder="Subject">
                  <input type="text" value="Diploma 2nd Year" placeholder="Class">
                  <input type="text" value="Ms. Goldi Bajaj" placeholder="Teacher">
                  <input type="text" value="Lab 2" placeholder="Room">
                  <div class="edit-form-buttons">
                    <button type="button" class="action-btn delete-btn" onclick="cancelEdit('class-st1')">Cancel</button>
                    <button type="button" class="action-btn add-btn" onclick="saveEdit('class-st1')">Save</button>
                  </div>
                </div>
              </div>
            </div>
            <div class="schedule-cell">
              <div class="schedule-item" id="class-en1">
                <strong>Entrepreneurship</strong><br>
                Diploma 3rd Year<br>
                Mr. Ishu Sharma<br>
                Room 201
                <div class="edit-form" id="edit-class-en1">
                  <input type="text" value="Entrepreneurship" placeholder="Subject">
                  <input type="text" value="Diploma 3rd Year" placeholder="Class">
                  <input type="text" value="Mr. Ishu Sharma" placeholder="Teacher">
                  <input type="text" value="Room 201" placeholder="Room">
                  <div class="edit-form-buttons">
                    <button type="button" class="action-btn delete-btn" onclick="cancelEdit('class-en1')">Cancel</button>
                    <button type="button" class="action-btn add-btn" onclick="saveEdit('class-en1')">Save</button>
                  </div>
                </div>
              </div>
            </div>
            <div class="schedule-cell">
              <div class="schedule-item" id="class-ai1">
                <strong>Artificial Intelligence</strong><br>
                Diploma 2nd Year<br>
                Ms. Tripti Diwadi<br>
                Lab 3
                <div class="edit-form" id="edit-class-ai1">
                  <input type="text" value="Artificial Intelligence" placeholder="Subject">
                  <input type="text" value="Diploma 2nd Year" placeholder="Class">
                  <input type="text" value="Ms. Tripti Diwadi" placeholder="Teacher">
                  <input type="text" value="Lab 3" placeholder="Room">
                  <div class="edit-form-buttons">
                    <button type="button" class="action-btn delete-btn" onclick="cancelEdit('class-ai1')">Cancel</button>
                    <button type="button" class="action-btn add-btn" onclick="saveEdit('class-ai1')">Save</button>
                  </div>
                </div>
```



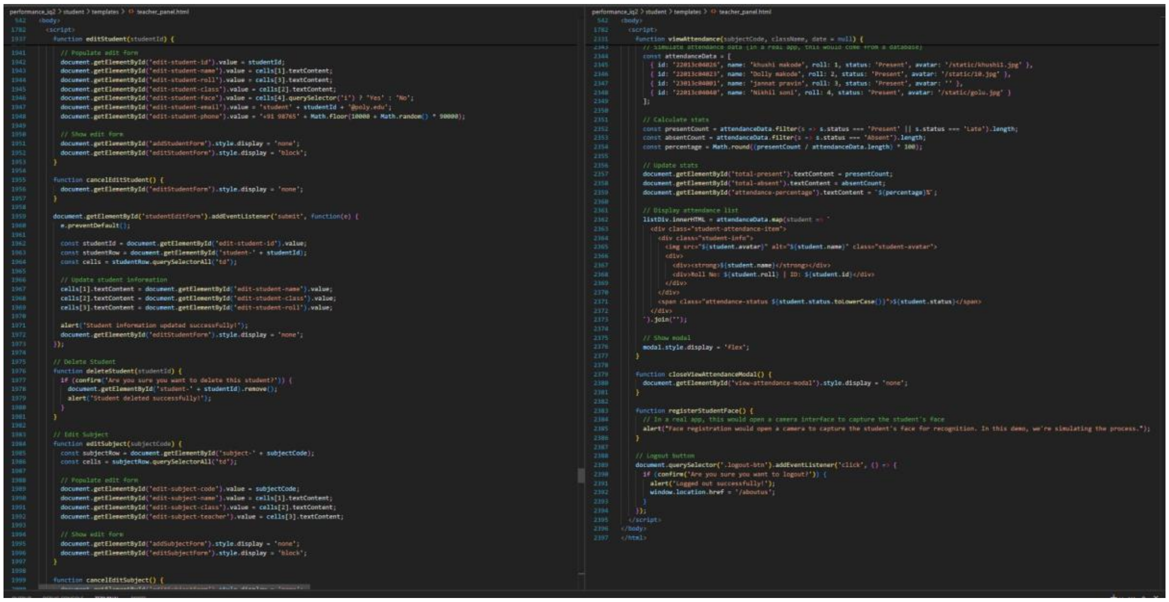
```html
<body>
  <div class="container">
    <div class="main">
      <!-- My Doubts Page -->
      <div id="my-doubts" class="page">
        <div class="page-header">
          <h1><i class="fas fa-comments"></i> My Doubts</h1>
          <div>
            <select id="doubt-filter" style="padding: 8px; border-radius: 6px; border: 1px solid #ddd;">
              <option>All Subjects</option>
              <option>Data Structures</option>
              <option>Web Development</option>
              <option>Database Systems</option>
            </select>
            <select id="status-filter" style="padding: 8px; border-radius: 6px; border: 1px solid #ddd; margin-left: 10px;">
              <option>All Statuses</option>
              <option>Pending</option>
              <option>Resolved</option>
            </select>
          </div>
        </div>

        <div class="card">
          <h2>Recent Doubts</h2>
          <div class="doubt-card">
            <div class="doubt-header">
              <span class="doubt-subject">Data Structures - <span class="doubt-status resolved">Resolved</span></span>
              <span class="doubt-date">15 Jun 2023</span>
            </div>
            <div class="doubt-question">
              <strong>Question:</strong>
              <p>I'm having trouble understanding how to implement the quicksort algorithm recursively. Can you explain the partitioning step in more
            </div>
            <div class="doubt-solution">
              <strong>Solution from Mr. Nishant Chorasiya:</strong>
              <p>The partitioning step in quicksort involves selecting a pivot element and rearranging the array so that:
              1. All elements less than the pivot come before it
              2. All elements greater than the pivot come after it

              Here's a step-by-step explanation:
              1. Choose the last element as pivot
              2. Initialize a partition index at the start
              3. Iterate through the array
              4. For each element less than pivot, swap it with the element at partition index and increment partition index
              5. Finally, swap the pivot with the element at partition index

              I've attached a diagram to visualize the process.</p>
            </div>
          </div>

          <div class="doubt-card">
            <div class="doubt-header">
              <span class="doubt-subject">Web Development - <span class="doubt-status pending">Pending</span></span>
              <span class="doubt-date">14 Jun 2023</span>
            </div>
            <div class="doubt-question">
              <strong>Question:</strong>
              <p>How do I properly handle form submissions in React without page reloads? I'm getting undefined values when trying to access form dat
            </div>
          </div>

          <div class="doubt-card">
            <div class="doubt-header">
```

```html
<body>
  <div class="container">
    <div class="main">
      <div id="timetable" class="page">
        <div class="card">
                  <input type="text" value="Mr. Nishant Chorasiya" placeholder="Teacher">
                  <input type="text" value="Lab 1" placeholder="Room">
                  <div class="edit-form-buttons">
                    <button type="button" class="action-btn delete-btn" onclick="cancelEdit('class-mc2')">Cancel</button>
                    <button type="button" class="action-btn add-btn" onclick="saveEdit('class-mc2')">Save</button>
                  </div>
                </div>
              </div>
            </div>
            <div class="schedule-cell">
              <div class="schedule-item" id="class-st2">
                <strong>Software Testing</strong><br>
                Diploma 3rd Year<br>
                Ms. Tripti Diwadi <br>
                Lab 2
                <div class="edit-form" id="edit-class-st2">
                  <input type="text" value="Software Testing" placeholder="Subject">
                  <input type="text" value="Diploma 2nd Year" placeholder="Class">
                  <input type="text" value="Ms. Goldi Bajaj" placeholder="Teacher">
                  <input type="text" value="Lab 2" placeholder="Room">
                  <div class="edit-form-buttons">
                    <button type="button" class="action-btn delete-btn" onclick="cancelEdit('class-st2')">Cancel</button>
                    <button type="button" class="action-btn add-btn" onclick="saveEdit('class-st2')">Save</button>
                  </div>
                </div>
              </div>
            </div>

            <!-- Afternoon Slot 2 -->
            <div class="schedule-header">03:00 PM - 04:30 PM</div>
            <div class="schedule-cell">
              <div class="schedule-item" id="class-pm2">
                <strong>Project Management</strong><br>
                Diploma 3rd Year<br>
                Ms. Goldi Bajaj<br>
                Room 302
                <div class="edit-form" id="edit-class-pm2">
                  <input type="text" value="Project Management" placeholder="Subject">
                  <input type="text" value="Diploma 3rd Year" placeholder="Class">
                  <input type="text" value="Mr. Ishu Sharma" placeholder="Teacher">
                  <input type="text" value="Room 302" placeholder="Room">
                  <div class="edit-form-buttons">
                    <button type="button" class="action-btn delete-btn" onclick="cancelEdit('class-pm2')">Cancel</button>
                    <button type="button" class="action-btn add-btn" onclick="saveEdit('class-pm2')">Save</button>
                  </div>
                </div>
              </div>
            </div>
            <div class="schedule-cell">
              <div class="no-class">No Class Scheduled</div>
            </div>
            <div class="schedule-cell">
              <div class="schedule-item" id="class-en2">
                <strong>Entrepreneurship</strong><br>
                Diploma 3rd Year<br>
                Mr. Ishu Sharma<br>
                Room 201
                <div class="edit-form" id="edit-class-en2">
```



```
<body>
  <div class="container">
    <div class="main">
      <div id="timetable" class="page">
        <div id="addTimetableForm" class="card" style="display: none;">
            <button type="button" class="action-btn delete-btn" onclick="hideAddTimetableForm()" style="margin-left: 10px;">
              Cancel
            </button>
          </form>
        </div>
      </div>

      <!-- Attendance Page -->
      <div id="attendance" class="page">
        <div class="page-header">
          <h1><i class="fas fa-calendar-check"></i> Attendance Management</h1>
          <div>
            <select id="attendance-filter" style="padding: 8px; border-radius: 6px; border: 1px solid #ddd;">
              <option>All Classes</option>
              <option>Diploma 1st Year</option>
              <option>Diploma 2nd Year</option>
              <option>Diploma 3rd Year</option>
            </select>
            <button class="action-btn add-btn" style="margin-left: 10px;" onclick="openCameraModal()">
              <i class="fas fa-camera"></i> Take Attendance
            </button>
          </div>
        </div>

        <div class="card">
          <h2>Today's Attendance Records</h2>
          <table>
            <thead>
              <tr>
                <th>Class</th>
                <th>Subject</th>
                <th>Time</th>
                <th>Present</th>
                <th>Absent</th>
                <th>Status</th>
                <th>Actions</th>
              </tr>
            </thead>
            <tbody>
              <tr>
                <td>Diploma 3rd Year</td>
                <td>Mobile Computing</td>
                <td>10:30 AM - 12:00 PM</td>
                <td>32</td>
                <td>3</td>
                <td><span class="attendance-status present">Completed</span></td>
                <td>
                  <button class="action-btn view-btn" onclick="viewAttendance('MC101', 'Diploma 3rd Year')">
                    <i class="fas fa-eye"></i> View
                  </button>
                  <button class="action-btn edit-btn" onclick="editAttendance('MC101', 'Diploma 3rd Year')">
                    <i class="fas fa-edit"></i> Edit
                  </button>
                </td>
              </tr>
              <tr>
                <td>Diploma 2nd Year</td>
                <td>Artificial Intelligence</td>
```

```
<body>
  <div class="container">
    <div class="main">
      <div id="attendance" class="page">
        <div class="card">
            </tbody>
          </table>
        </div>

        <div class="card">
          <h2>Attendance History</h2>
          <table>
            <thead>
              <tr>
                <th>Date</th>
                <th>Class</th>
                <th>Subject</th>
                <th>Present</th>
                <th>Absent</th>
                <th>Percentage</th>
                <th>Actions</th>
              </tr>
            </thead>
            <tbody>
              <tr>
                <td>15 May 2023</td>
                <td>Diploma 3rd Year</td>
                <td>Mobile Computing</td>
                <td>30</td>
                <td>5</td>
                <td>85.7%</td>
                <td>
                  <button class="action-btn view-btn" onclick="viewAttendance('MC101', 'Diploma 3rd Year', '2023-05-15')">
                    <i class="fas fa-eye"></i>
                  </button>
                </td>
              </tr>
              <tr>
                <td>14 May 2023</td>
                <td>Diploma 3rd Year</td>
                <td>Mobile Computing</td>
                <td>28</td>
                <td>7</td>
                <td>80%</td>
                <td>
                  <button class="action-btn view-btn" onclick="viewAttendance('MC101', 'Diploma 3rd Year', '2023-05-14')">
                    <i class="fas fa-eye"></i>
                  </button>
                </td>
              </tr>
            </tbody>
          </table>
        </div>
      </div>

      <!-- Students Page -->
      <div id="students" class="page">
        <div class="page-header">
          <h1><i class="fas fa-users"></i> Student Management</h1>
          <button class="action-btn add-btn" onclick="showAddStudentForm()">
            <i class="fas fa-plus"></i> Add Student
          </button>
        </div>
```

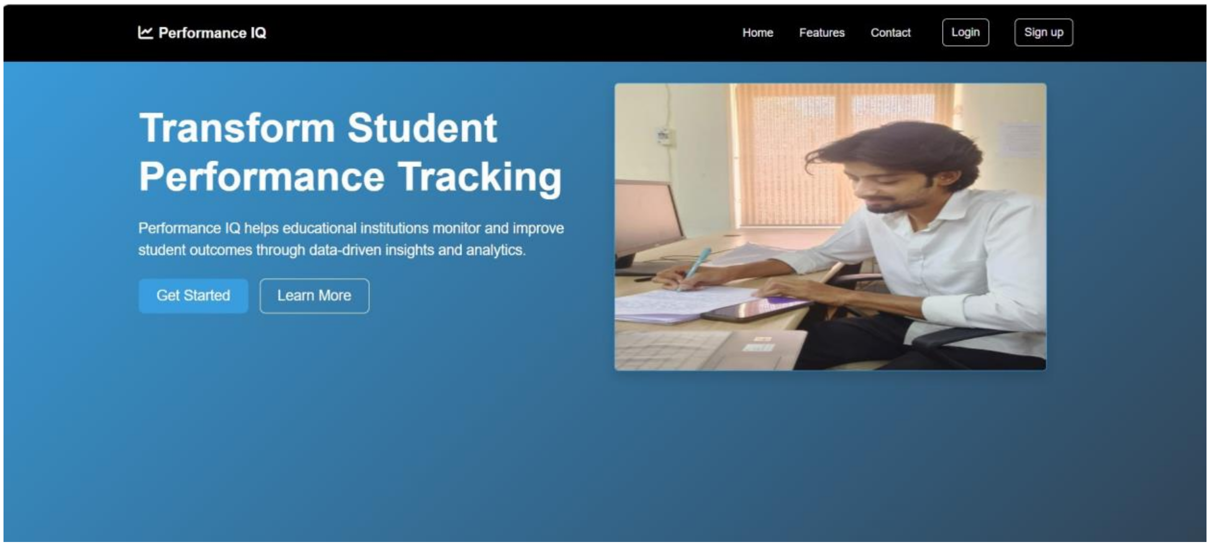

performance_iq2 > student > templates > teacher_panel.html
performance_iq2 > student > templates > teacher_panel.html

```
<body>
  <script>
    function editStudent(studentId) {
      // Populate edit form
      document.getElementById('edit-student-id').value = studentId;
      document.getElementById('edit-student-name').value = cells[1].textContent;
      document.getElementById('edit-student-roll').value = cells[3].textContent;
      document.getElementById('edit-student-class').value = cells[2].textContent;
      document.getElementById('edit-student-face').value = cells[4].querySelector('i') ? 'Yes' : 'No';
      document.getElementById('edit-student-email').value = 'student' + studentId + '@poly.edu';
      document.getElementById('edit-student-phone').value = '+91 98765' + Math.floor(10000 + Math.random() * 90000);

      // Show edit form
      document.getElementById('addStudentForm').style.display = 'none';
      document.getElementById('editStudentForm').style.display = 'block';
    }

    function cancelEditStudent() {
      document.getElementById('editStudentForm').style.display = 'none';
    }

    document.getElementById('studentEditForm').addEventListener('submit', function(e) {
      e.preventDefault();

      const studentId = document.getElementById('edit-student-id').value;
      const studentRow = document.getElementById('student-' + studentId);
      const cells = studentRow.querySelectorAll('td');

      // Update student information
      cells[1].textContent = document.getElementById('edit-student-name').value;
      cells[2].textContent = document.getElementById('edit-student-class').value;
      cells[3].textContent = document.getElementById('edit-student-roll').value;

      alert('Student information updated successfully!');
      document.getElementById('editStudentForm').style.display = 'none';
    });

    // Delete Student
    function deleteStudent(studentId) {
      if (confirm('Are you sure you want to delete this student?')) {
        document.getElementById('student-' + studentId).remove();
        alert('Student deleted successfully!');
      }
    }

    // Edit Subject
    function editSubject(subjectCode) {
      const subjectRow = document.getElementById('subject-' + subjectCode);
      const cells = subjectRow.querySelectorAll('td');

      // Populate edit form
      document.getElementById('edit-subject-code').value = subjectCode;
      document.getElementById('edit-subject-name').value = cells[1].textContent;
      document.getElementById('edit-subject-class').value = cells[2].textContent;
      document.getElementById('edit-subject-teacher').value = cells[3].textContent;

      // Show edit form
      document.getElementById('addSubjectForm').style.display = 'none';
      document.getElementById('editSubjectForm').style.display = 'block';
    }

    function cancelEditSubject() {
```

```
<body>
  <script>
    function viewAttendance(subjectCode, className, date = null) {
      // Simulate attendance data (in a real app, this would come from a database)
      const attendanceData = [
        { id: '22013c04026', name: 'khushi makode', roll: 1, status: 'Present', avatar: '/static/khushi1.jpg' },
        { id: '22013c04023', name: 'Dolly makode', roll: 2, status: 'Present', avatar: '/static/10.jpg' },
        { id: '23013c04001', name: 'jannat pravin', roll: 3, status: 'Present', avatar: '' },
        { id: '22013c04040', name: 'Nikhil soni', roll: 4, status: 'Present', avatar: '/static/golu.jpg' }
      ];

      // Calculate stats
      const presentCount = attendanceData.filter(s => s.status === 'Present' || s.status === 'Late').length;
      const absentCount = attendanceData.filter(s => s.status === 'Absent').length;
      const percentage = Math.round((presentCount / attendanceData.length) * 100);

      // Update stats
      document.getElementById('total-present').textContent = presentCount;
      document.getElementById('total-absent').textContent = absentCount;
      document.getElementById('attendance-percentage').textContent = `${percentage}%`;

      // Display attendance list
      listDiv.innerHTML = attendanceData.map(student => `
        <div class="student-attendance-item">
          <div class="student-info">
            <img src="${student.avatar}" alt="${student.name}" class="student-avatar">
            <div>
              <div><strong>${student.name}</strong></div>
              <div>Roll No: ${student.roll} | ID: ${student.id}</div>
            </div>
          </div>
          <span class="attendance-status ${student.status.toLowerCase()}">${student.status}</span>
        </div>
      `).join('');

      // Show modal
      modal.style.display = 'flex';
    }

    function closeViewAttendanceModal() {
      document.getElementById('view-attendance-modal').style.display = 'none';
    }

    function registerStudentFace() {
      // In a real app, this would open a camera interface to capture the student's face
      alert("Face registration would open a camera to capture the student's face for recognition. In this demo, we're simulating the process.");
    }

    // Logout button
    document.querySelector('.logout-btn').addEventListener('click', () => {
      if (confirm('Are you sure you want to logout?')) {
        alert('Logged out successfully!');
        window.location.href = '/aboutus';
      }
    });
  </script>
</body>
</html>
```

5.2 Output Snapshots

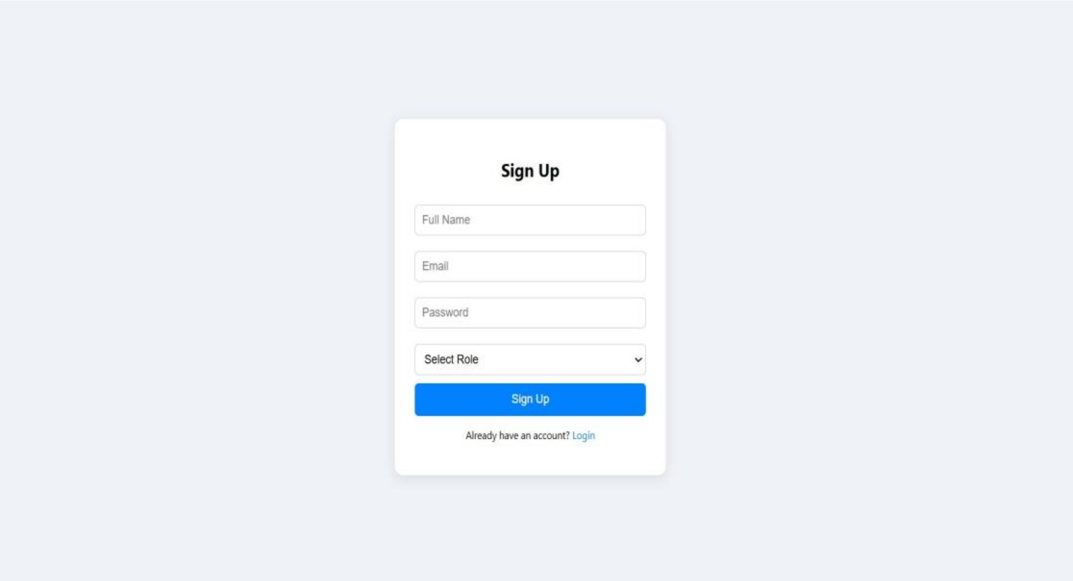
5.2.1 HOME Page



Transform Student Performance Tracking

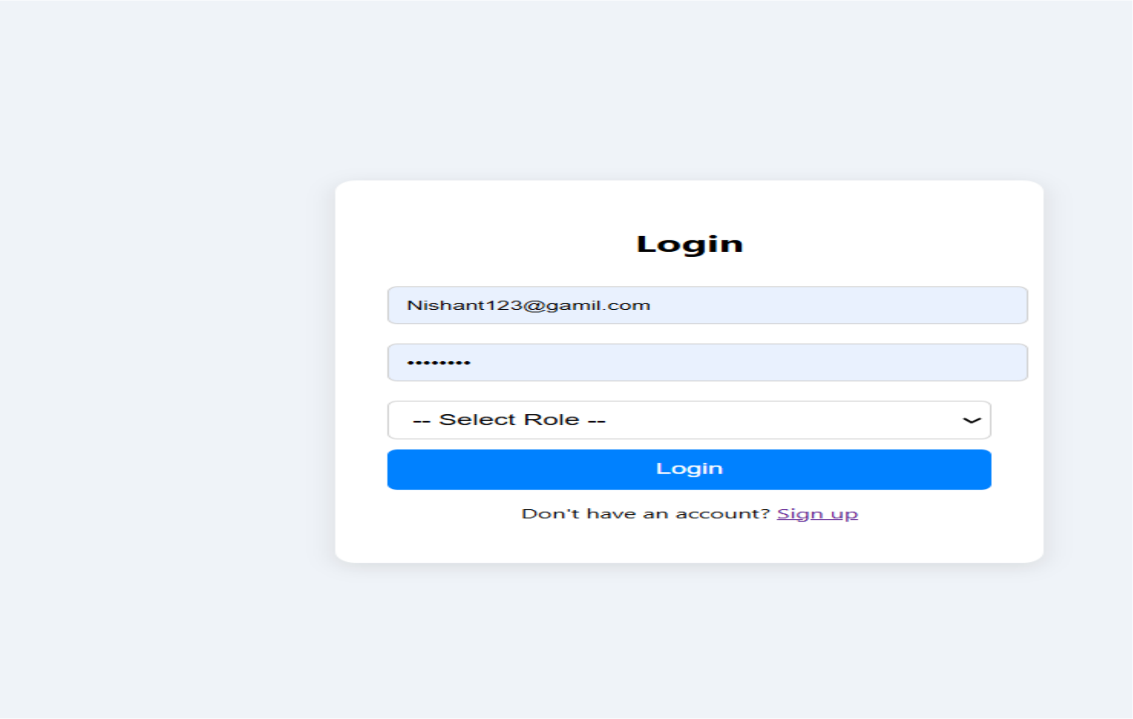
Performance IQ helps educational institutions monitor and improve student outcomes through data-driven insights and analytics.

5.2.2 SIGN UP



Already have an account? Login

5.3.3 Login Page



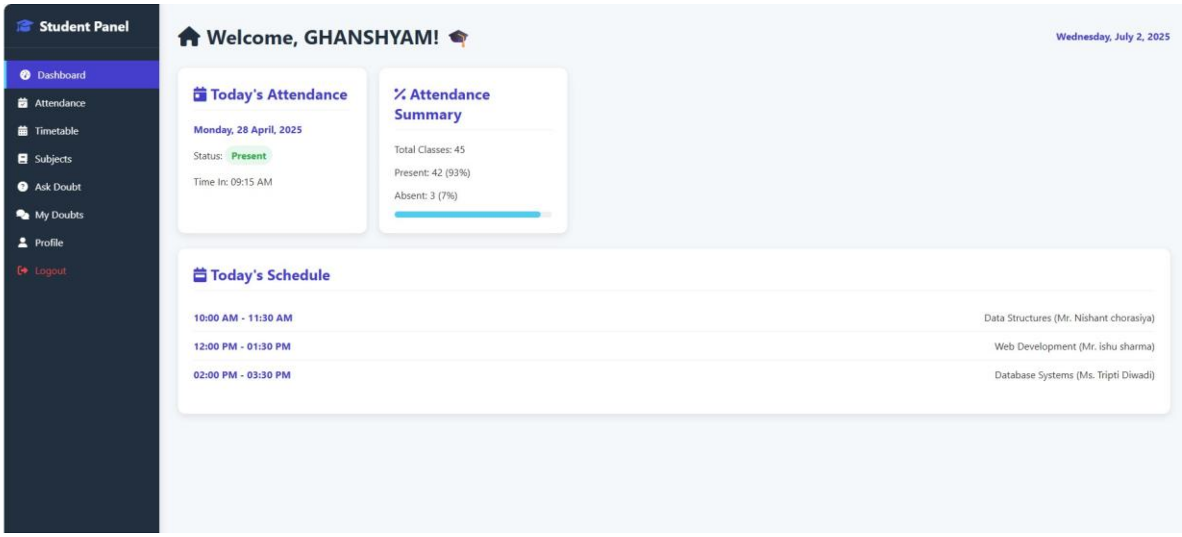
Login

Nishant123@gamil.com

•••••••••

-- Select Role --

5.4.4 student panel



Welcome, GHANSHYAM!

Wednesday, July 2, 2025

Today's Attendance

Monday, 28 April, 2025

Status: Present

Time In: 09:15 AM

Attendance Summary

Total Classes: 45

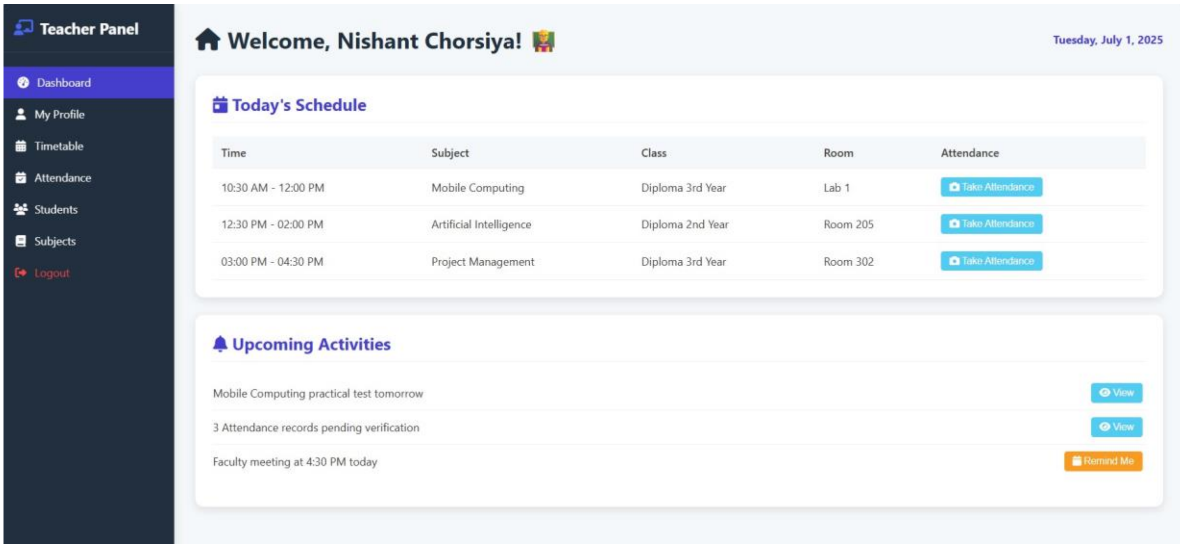
Present: 42 (93%)

Absent: 3 (7%)

Today's Schedule

10:00 AM - 11:30 AM	Data Structures (Mr. Nishant chorasiya)
12:00 PM - 01:30 PM	Web Development (Mr. ishu sharma)
02:00 PM - 03:30 PM	Database Systems (Ms. Tripti Diwadi)

5.2.5 Teacher panel



Welcome, Nishant Chorsiya!

Tuesday, July 1, 2025

Today's Schedule

Time	Subject	Class	Room	Attendance
10:30 AM - 12:00 PM	Mobile Computing	Diploma 3rd Year	Lab 1	Take Attendance
12:30 PM - 02:00 PM	Artificial Intelligence	Diploma 2nd Year	Room 205	Take Attendance
03:00 PM - 04:30 PM	Project Management	Diploma 3rd Year	Room 302	Take Attendance

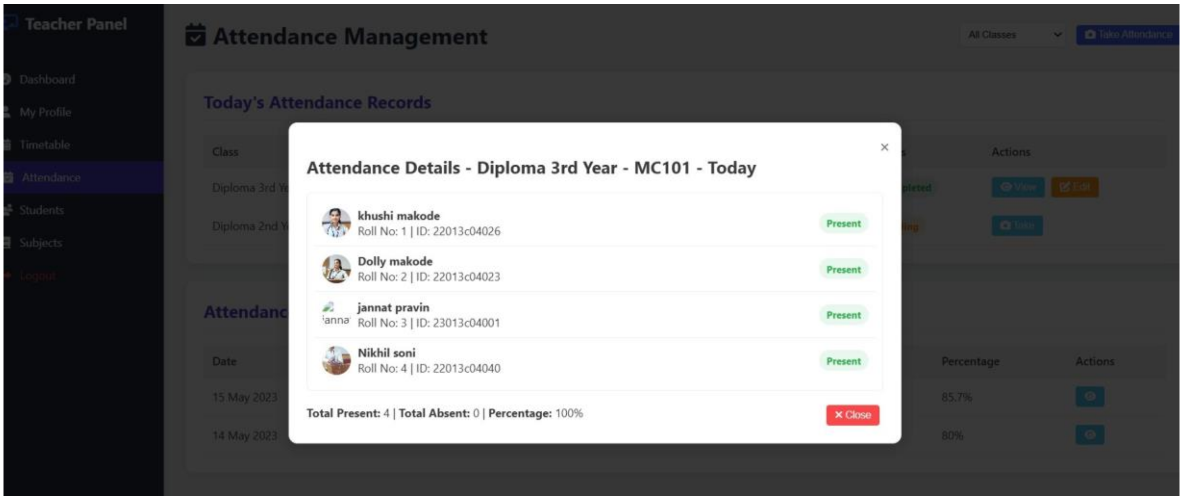
Upcoming Activities

Mobile Computing practical test tomorrow — View

3 Attendance records pending verification — View

Faculty meeting at 4:30 PM today — Remind Me

5.2.6 Attendance output Panel



Attendance Management

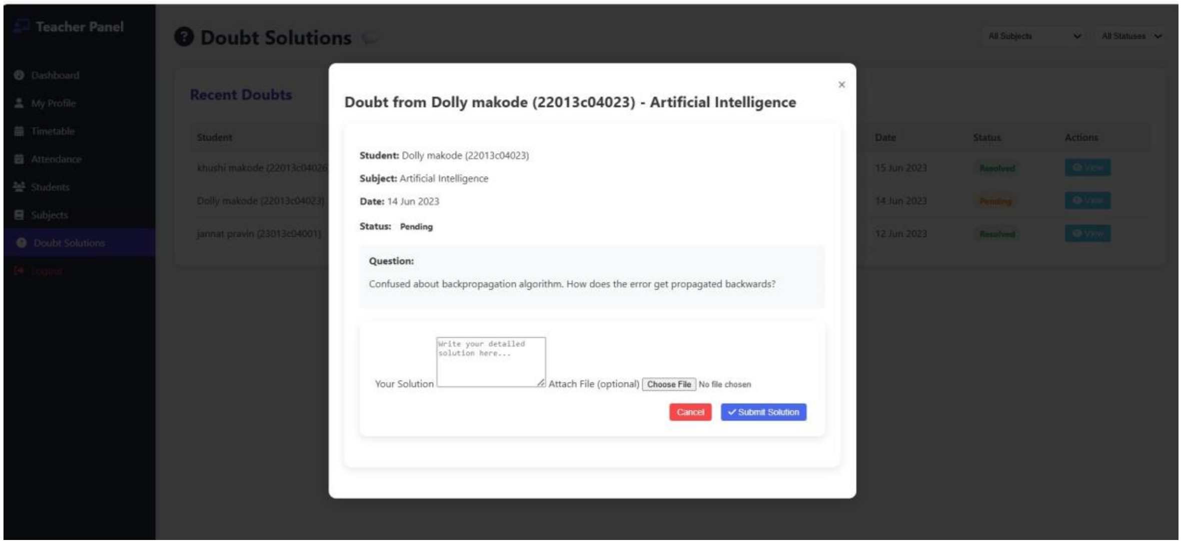
Today's Attendance Records

Attendance Details - Diploma 3rd Year - MC101 - Today

Student	Status
khushi makode Roll No: 1 | ID: 22013c04026	Present
Dolly makode Roll No: 2 | ID: 22013c04023	Present
jannat pravin Roll No: 3 | ID: 23013c04001	Present
Nikhil soni Roll No: 4 | ID: 22013c04040	Present

Total Present: 4 | **Total Absent:** 0 | **Percentage:** 100%

5.2.7 student doubt solution



Student	Date	Status	Actions
khushi makode (22013c04026	15 Jun 2023	Resolved	View
Dolly makode (22013c04023)	14 Jun 2023	Pending	View
jannat pravin (23013c04001)	12 Jun 2023	Resolved	View

Doubt from Dolly makode (22013c04023) - Artificial Intelligence

Student: Dolly makode (22013c04023)

Subject: Artificial Intelligence

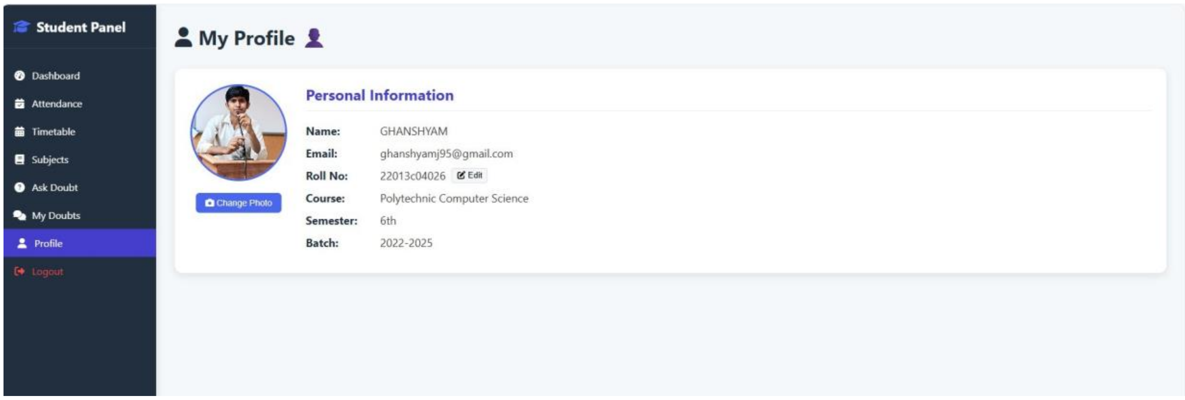
Date: 14 Jun 2023

Status: Pending

Question:

Confused about backpropagation algorithm. How does the error get propagated backwards?

5.2.68student profile



Personal Information

Name:	GHANSHYAM
Email:	ghanshyamj95@gmail.com
Roll No:	22013c04026
Course:	Polytechnic Computer Science
Semester:	6th
Batch:	2022-2025

Chapter 6 : Likely Benefits and Limitations

Benefits of the System

1. Centralized Management:

- The system provides a centralized platform to manage student data, attendance, and communication between teachers and students.

2. Time Saving:

- Automates manual tasks such as attendance tracking, marks recording, and performance analysis, saving valuable time for both students and teachers.

3. Accuracy and Consistency:

- Reduces human errors and maintains consistent data records like attendance , marks, and student profiles.

4. Real-time Access:

- Students and teachers can access the system in real-time to check attendance records, and track performance.

5. Face Recognition Attendance:

- Enhances transparency and reduces proxy attendance through AI-based facial detection.

6.Role-Based Access:

- Teacher, and Student logins ensure data security and functionality access control.

7.Class Scheduling:

- Teachers and students can easily view and manage class schedules.

8.Mobile-Friendly Design:

- Can be accessed via smartphone, making it more convenient for students.

9.Teacher Dashboard:

- Teachers can easily manage their classes, attendance, and student performance in one place.

Limitations :

1. Internet Dependency:

- The system requires internet access for real-time data syncing. In areas with poor connectivity, performance may degrade.

2. Hardware Requirements:

- For modules like face recognition, high-quality cameras and better computing power are required, which may not be available in all classrooms.

3. Limited to Institutional Use:

- Currently designed to manage data within a single institute; scalability for multiple branches or large-scale use may require further development.

4. Security Concerns:

- If not hosted securely, there may be risks of unauthorized data access or cyber threats.

5. Technical Knowledge:

- Initial training is required for non-technical users (especially admin or teachers unfamiliar with digital systems).

Chapter 7: Conclusion and Future Enhancements

7.1 Conclusion

The **Student Management System** project has been developed with the objective of automating and simplifying student-related academic processes in an educational institution. In the current education system, managing student information manually is time-consuming, prone to errors, and lacks real-time accessibility. This project effectively addresses these limitations by offering a centralized and digital solution to store, retrieve, and manage student data.

Through this project, I have designed and implemented a robust system capable of handling student records, **f**ace recognition-based attendance tracking through the teacher panel, class schedule visibility for both teachers and students, and direct communication between students and teachers. The system reduces dependency on paper-based records, improves accuracy, and increases administrative efficiency.

Moreover, the project was developed using modern web technologies and programming languages. The front end was designed using HTML, CSS, and JavaScript to ensure responsiveness and usability, while the backend logic was implemented using Python (Django framework), which ensures scalability, security, and fast processing. The use of databases such as MySQL or SQLite allowed for reliable storage and retrieval of data. Throughout the course of the project, I gained practical experience in various stages of software development — including requirement analysis, system design, coding, testing, and documentation. I also learned the importance of modular development, user-centric design, and real-time feedback integration.

This project not only helped me apply the theoretical knowledge acquired during my diploma course but also prepared me for real-world software development practices. It enhanced my technical skills, logical thinking, debugging capability, and the ability to work systematically to achieve a larger goal.

In conclusion, the **Student Management System** is a practical, efficient, and scalable solution for modern educational institutions. It is a step forward toward digital transformation in education and demonstrates how technology can simplify and enhance academic management processes.

7.2 Future Enhancements

1. Real-Time Notifications and Alerts

The system can be integrated with SMS and email gateways to send real-time notifications to students and parents. Important alerts like attendance shortages, assignment deadlines, exam schedules, or performance updates can be communicated instantly, ensuring better engagement and awareness.

2. Mobile Application Support

In addition to the web interface, a dedicated mobile app for Android and iOS can be developed. This app would allow students and teachers to access their respective dashboards, view reports, submit doubts, and manage attendance directly from their smartphones.

3. Parent Login Module

A separate login system for parents can be introduced so they can monitor their child's performance, attendance, and teacher feedback. This will encourage parent involvement in academic growth.

4. Chat and Discussion Module

An internal messaging or chat system can be developed to facilitate doubt clarification and academic discussions between students and teachers in a secure environment. This can help build a collaborative and interactive learning system.

5. Online Exam and Evaluation System

The project can be extended to include an online examination system where teachers can create tests, and students can take them online. Results can be generated automatically, saving time and effort.

6. Performance Prediction using AI

Using data analytics and machine learning, the system can be enhanced to predict a student's future performance and provide recommendations for improvement based on past trends and behavior.

8. Multi-language Support

To improve usability among students with different linguistic backgrounds, the system can include multi-language support, especially Hindi and English, allowing students to choose their preferred interface language.

9. **Cloud-Based Deployment**

For scalability and remote access, the system can be hosted on a cloud platform (like AWS or Firebase). This will improve performance, availability, and data backup.

10. Role Management and Logs

Advanced role management, access logs, and activity tracking can be implemented to monitor user behavior and ensure security and accountability in the system.

CHAPTER 8 :

Bibliography

1. **www.w3schools.com – For HTML, CSS, JavaScript references**

2. **www.geeksforgeeks.org – For backend development and database tutorials**

3. **https://docs.djangoproject.com/ – Official Django documentation**

4. **https://getbootstrap.com/ – For responsive UI design (Bootstrap framework)**

5. **https://www.mysql.com/ – For understanding MySQL database**

6. **Stack Overflow (https://stackoverflow.com/) – For resolving coding errors and logic issues**

7. **VS Code Documentation – For code editor usage**

8. **Python.org – For Python language reference**

9. **OpenAI ChatGPT – For guidance and logic explanation during development**