

## Documentation of Project

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## 1 ABSTRACT

This project is intended on solving the problem of Duty Leave Automation of Students in a College. Initially if a student want to apply for duty leave he/she have to meet all the teachers and get the form signed. But with this web application the duty leave can be submitted online and the corresponding staff advisor get to see the duty leave.

Once the staff advisor approves the duty leave the application is then forwarded to the HoD. After the HoD also approves the application the corresponding attendance for the application is updated.

## 2 DATABASE DESIGN

### STUDENT

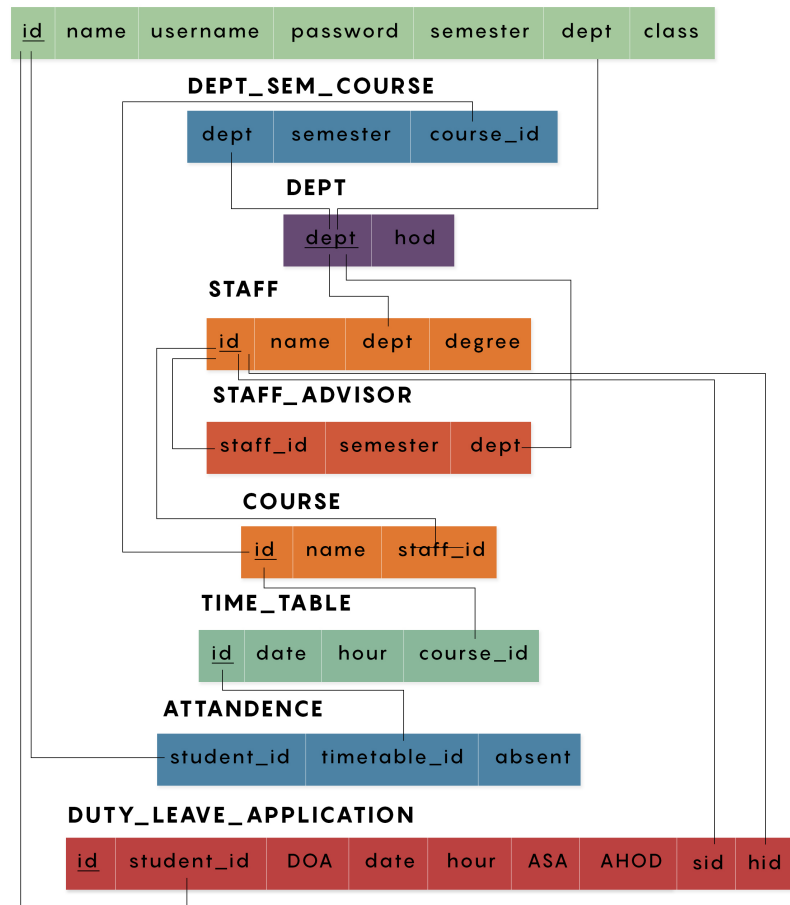


Figure 2.1: Database Design

### 3 FUNCTIONS

There are three types of Users

- Admin
- Staff / Teacher
- Student

### 3.1 ADMIN

- Add Course
  - Inputs : Course ID and Course Name
  - Output : Insert into the course table
- Add Student
  - Inputs : Student ID , name , Department and Semester
  - Output : Insert into users table and correspondingly updates the student table
- Add Staff
  - Inputs : Staff ID , name and Department
  - Output : Insert into users table and correspondingly updates the staff table
- Modify HoD
  - Inputs : Staff ID and Department
  - Output : Updates the hod table with the given Staff ID value

(NOTE : A Staff Advisor can't be HoD).

- Add or Update Staff Advisor of a Class
  - Inputs : Staff ID Semester and Department
  - Output : Updates the advisor table with the given Staff ID value

(NOTE : A Staff Advisor can't be HoD).

- Link Department Semester and Course
  - Inputs : Semester Department Course ID and Staff ID
  - Output : Add an Entry which gives the information for which class is linked to which teacher and which all courses.

### 3.2 STAFF

- Mark Attendance
  - Inputs : Course ID , Date , hour , Absent Students
  - Output : Inserts entries to timetable and attendance table.
- View(Approve) Duty Leave Applications

If approved the attendance gets automatically updated.

- Output : View the duty leave applications which should be approved by the particular Staff.

(NOTE : This option is available for Teachers who are either Staff Advisor or HoD , Once approved by the staff advisor only the hod can view the application)

### 3.3 STUDENT

- View Attendance
  - Output : Calculates the attendance percentage of the user for different Subjects and displays it
- Apply for Duty Leave
  - Inputs : Date for application , hour , Date of Application , Student ID , Subject and Description
  - Output : Inserts the entry to the duty leave table by setting staff\_approved and hod\_approved as false (0 value)

### 3.4 SCREENSHOTS

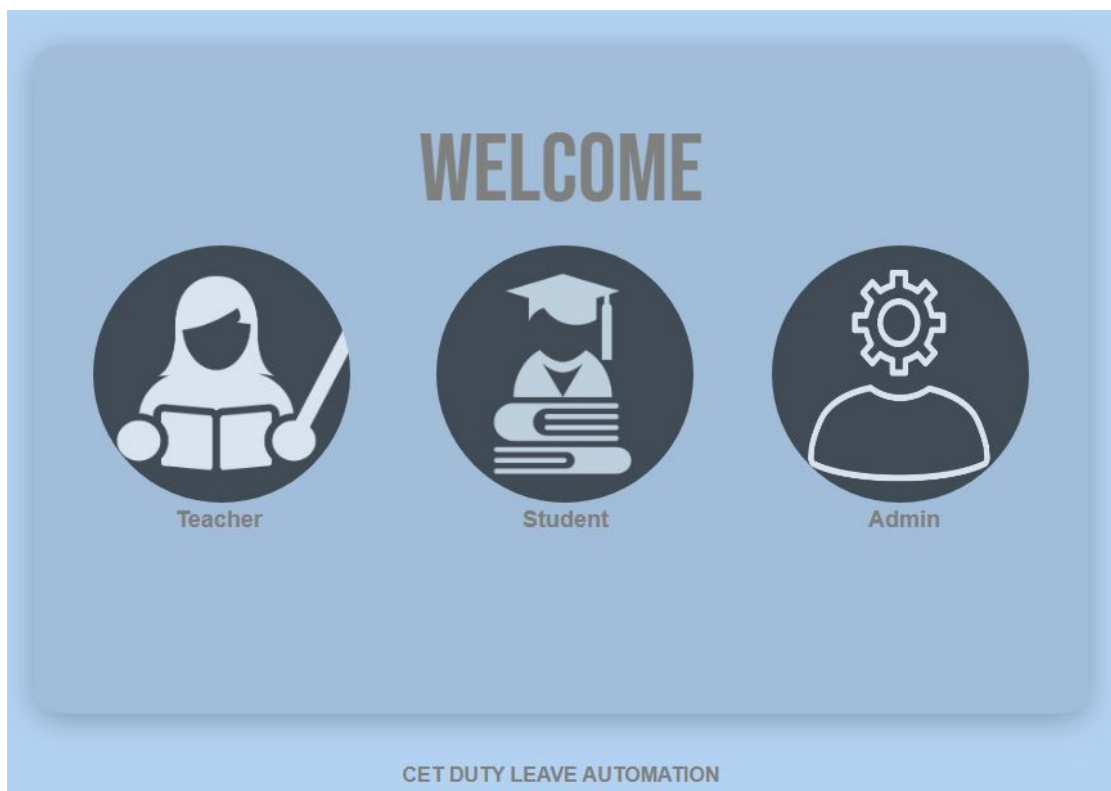


Figure 3.1: Welcome Page



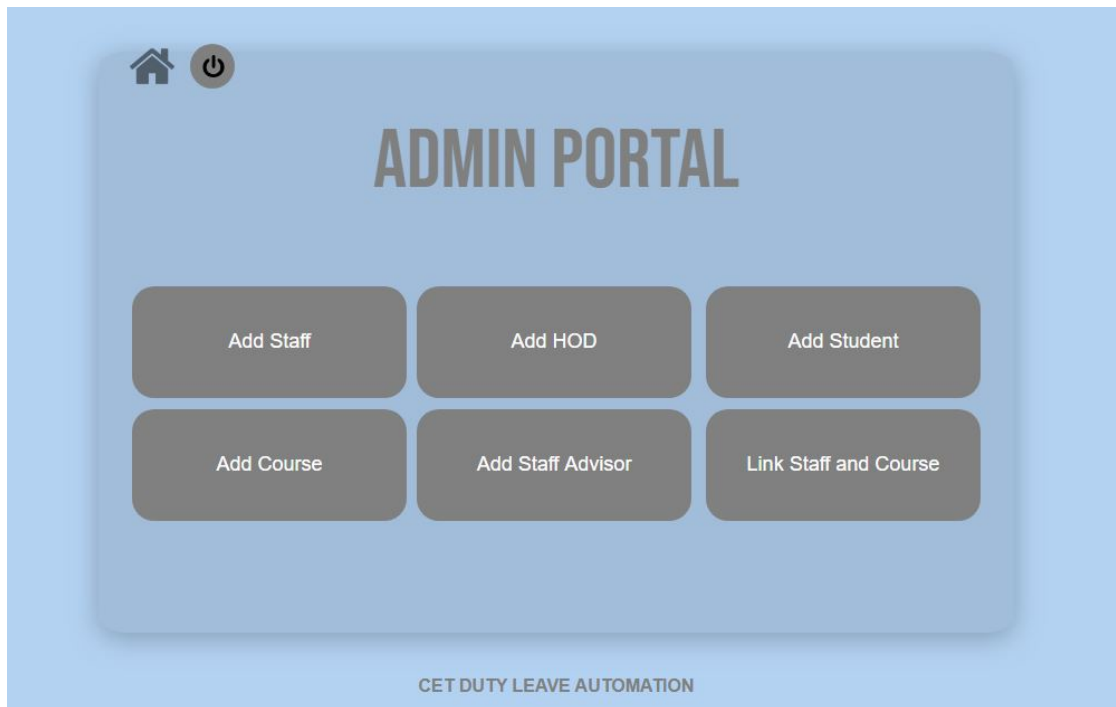


Figure 3.2: Admin Portal

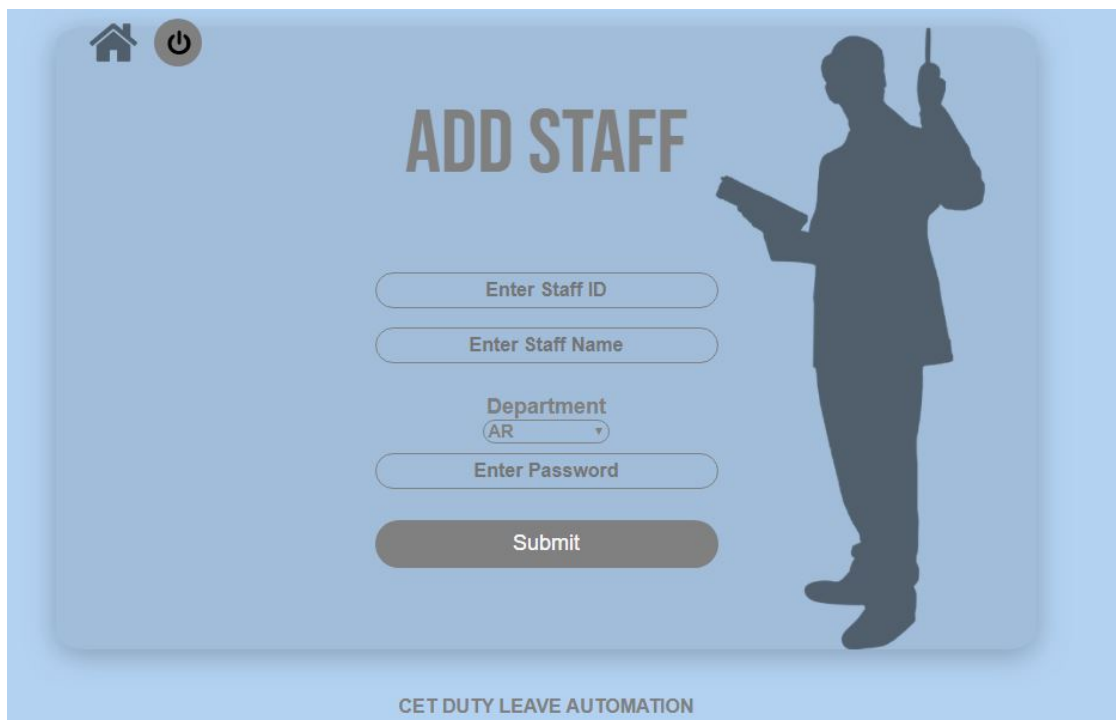
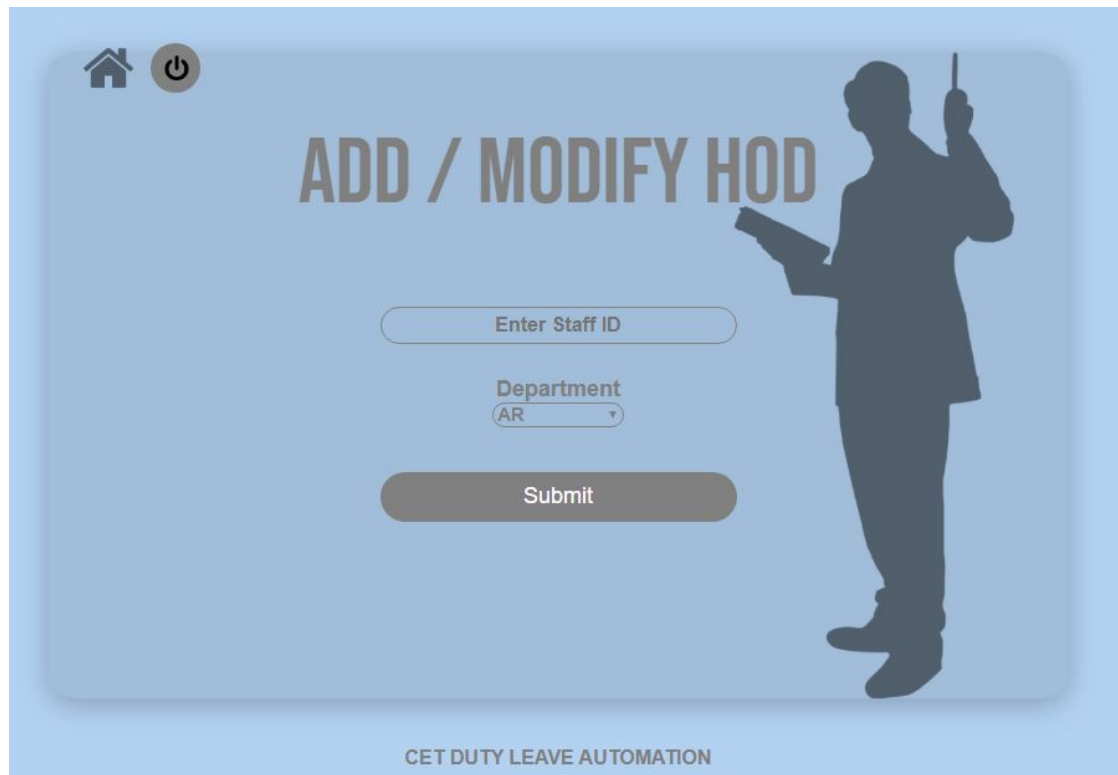


Figure 3.3: Admin Portal



The image shows a screenshot of an 'Admin Portal' interface. At the top left, there are two circular icons: a house icon and a power icon. The main heading is 'ADD / MODIFY HOD' in a large, bold, sans-serif font. Below this heading, there is a form with three main components: a text input field labeled 'Enter Staff ID', a dropdown menu labeled 'Department' with 'AR' selected, and a 'Submit' button. To the right of the form is a silhouette of a person in a suit holding a tablet and a pen. At the bottom of the page, the text 'CET DUTY LEAVE AUTOMATION' is displayed.

ADD / MODIFY HOD

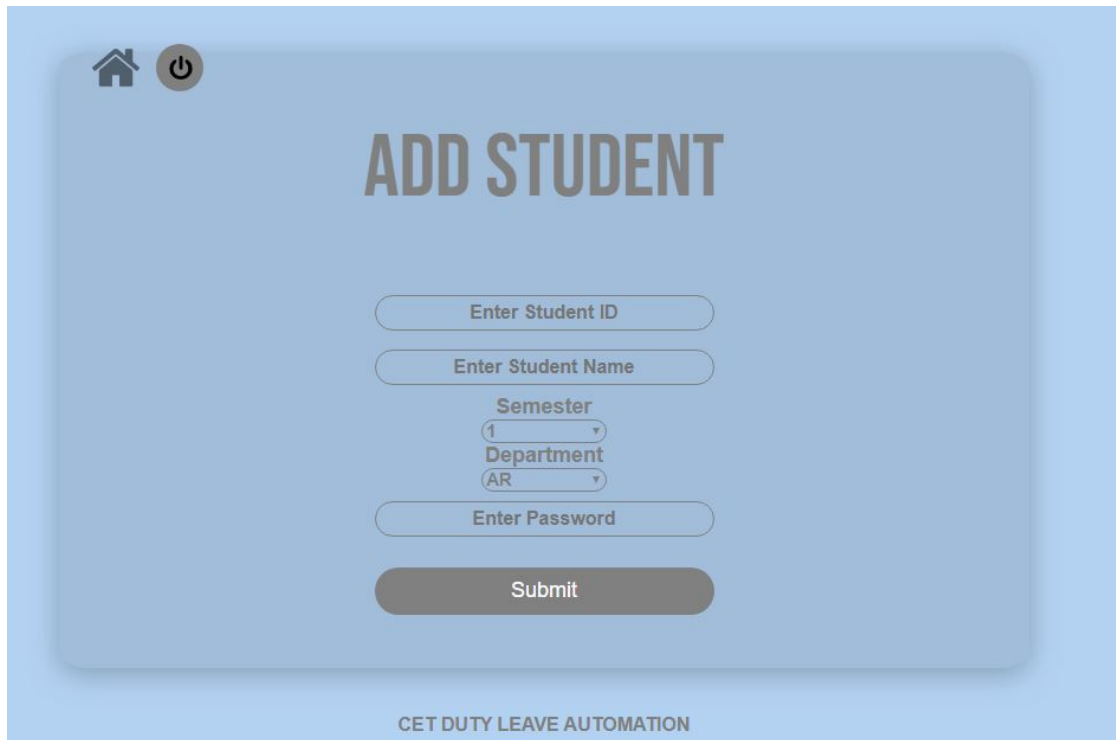
Enter Staff ID

Department  
AR

Submit

CET DUTY LEAVE AUTOMATION

Figure 3.4: Admin Portal



The image shows a web interface for an 'Admin Portal' with a light blue background. In the top-left corner, there are two circular icons: a house icon and a power icon. The main heading 'ADD STUDENT' is centered in a large, bold, dark grey font. Below the heading, there is a form with several input fields: 'Enter Student ID', 'Enter Student Name', 'Semester' (with a dropdown menu showing '1'), 'Department' (with a dropdown menu showing 'AR'), and 'Enter Password'. Each of these fields is enclosed in a light blue rounded rectangle. At the bottom of the form is a dark grey rounded rectangle with the text 'Submit' in white. Below the form, the text 'CET DUTY LEAVE AUTOMATION' is centered in a small, dark grey font.

ADD STUDENT

Enter Student ID

Enter Student Name

Semester  
1

Department  
AR

Enter Password

Submit

CET DUTY LEAVE AUTOMATION

Figure 3.5: Admin Portal

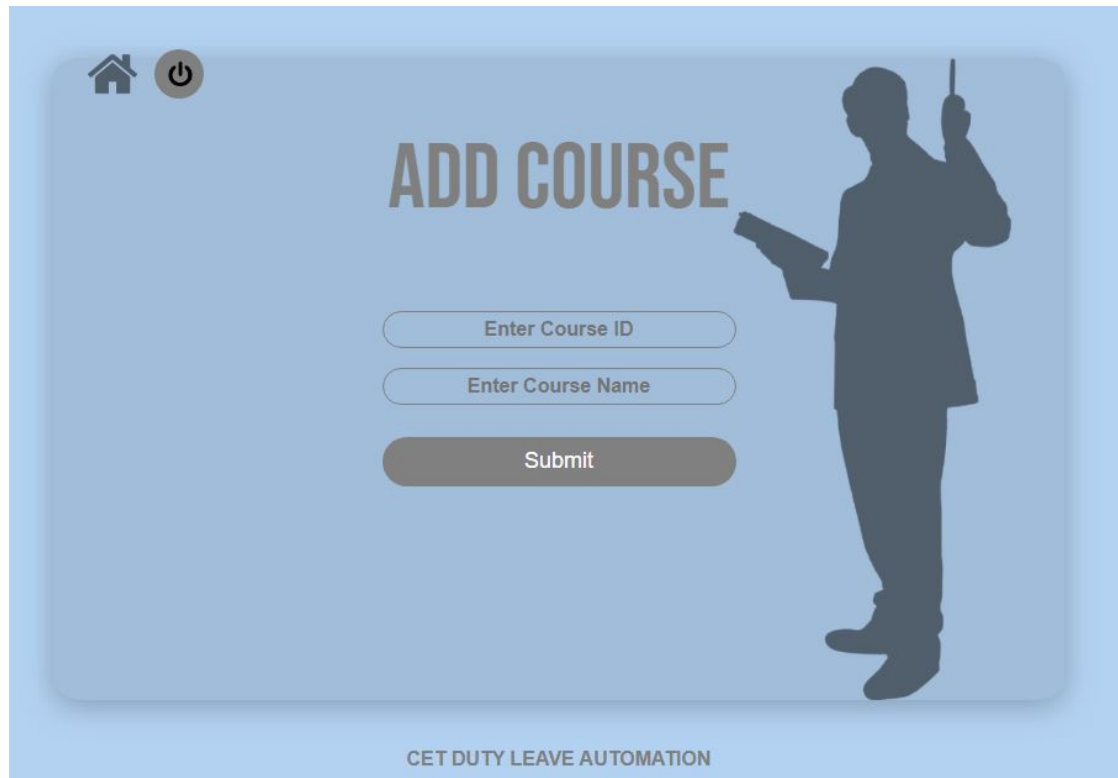


Figure 3.6: Admin Portal

ADD STAFF ADVISOR

Enter Staff Id

Semester  
1

Department  
AR

Submit

CET DUTY LEAVE AUTOMATION

Figure 3.7: Admin Portal



The image shows a screenshot of an Admin Portal interface. At the top left, there are two icons: a house icon and a power icon. The word "LINK" is displayed in large, bold, brown letters. Below it, there is a form with the following fields: "Enter Course Id" (text input), "Semester" (dropdown menu with "1" selected), "Department" (dropdown menu with "AR" selected), "Enter Staff Id" (text input), and a "Submit" button. To the right of the form is a silhouette of a person holding a tablet and a pen. At the bottom, the text "CET DUTY LEAVE AUTOMATION" is visible.

LINK

Enter Course Id

Semester  
1

Department  
AR

Enter Staff Id

Submit

CET DUTY LEAVE AUTOMATION

Figure 3.8: Admin Portal

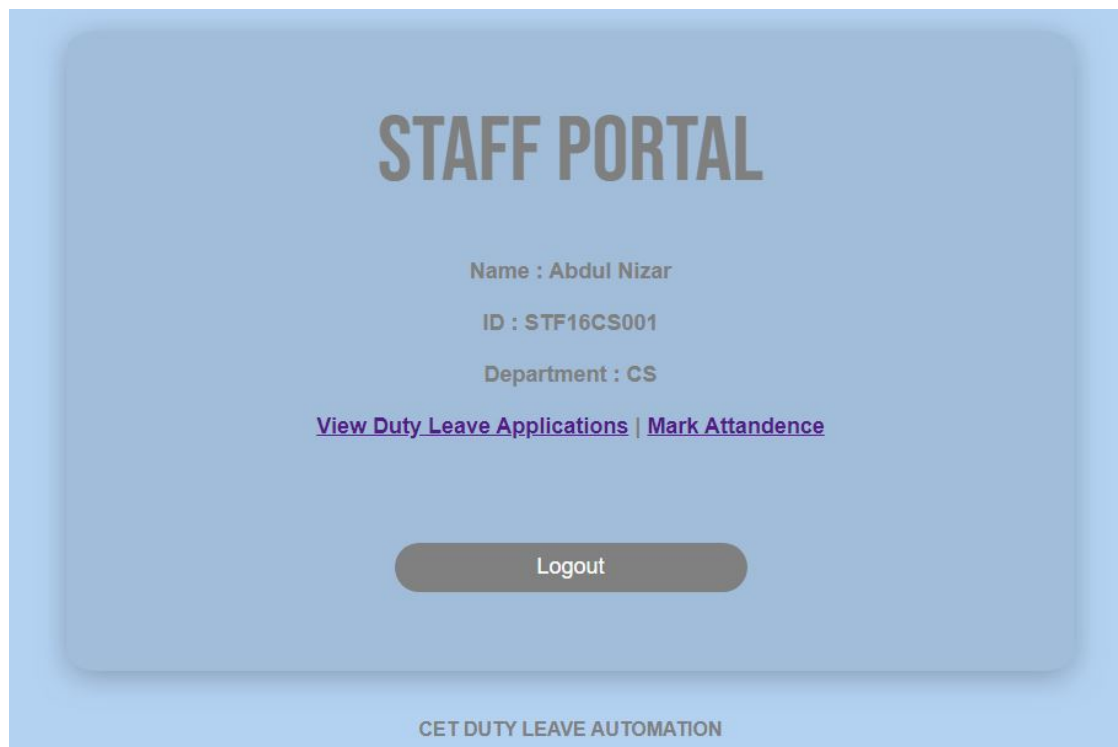


Figure 3.9: Staff Portal



Figure 3.10: Staff Portal



Figure 3.11: Staff Portal

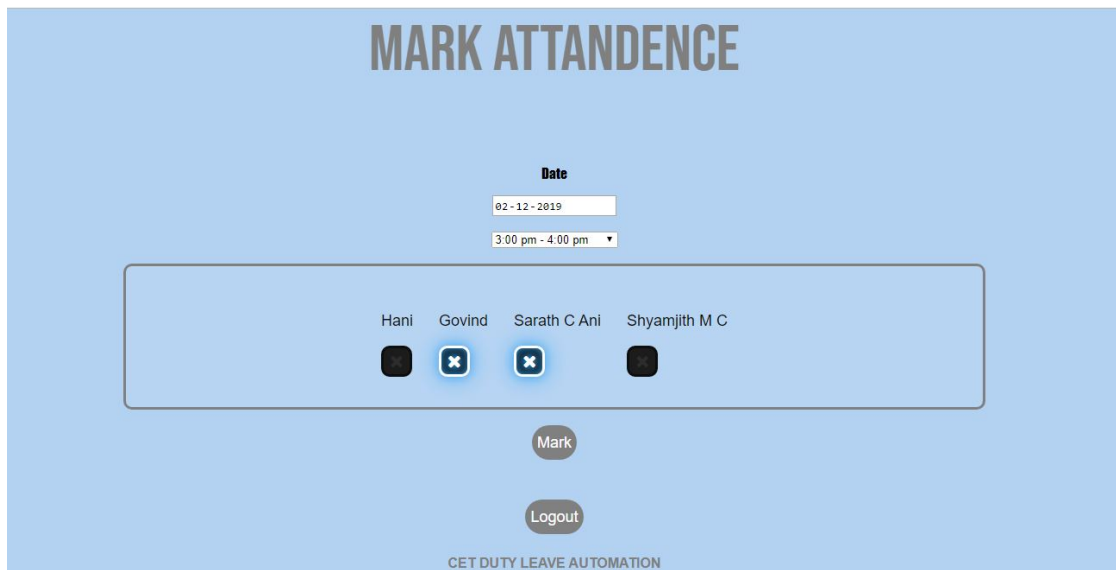


Figure 3.12: Staff Portal



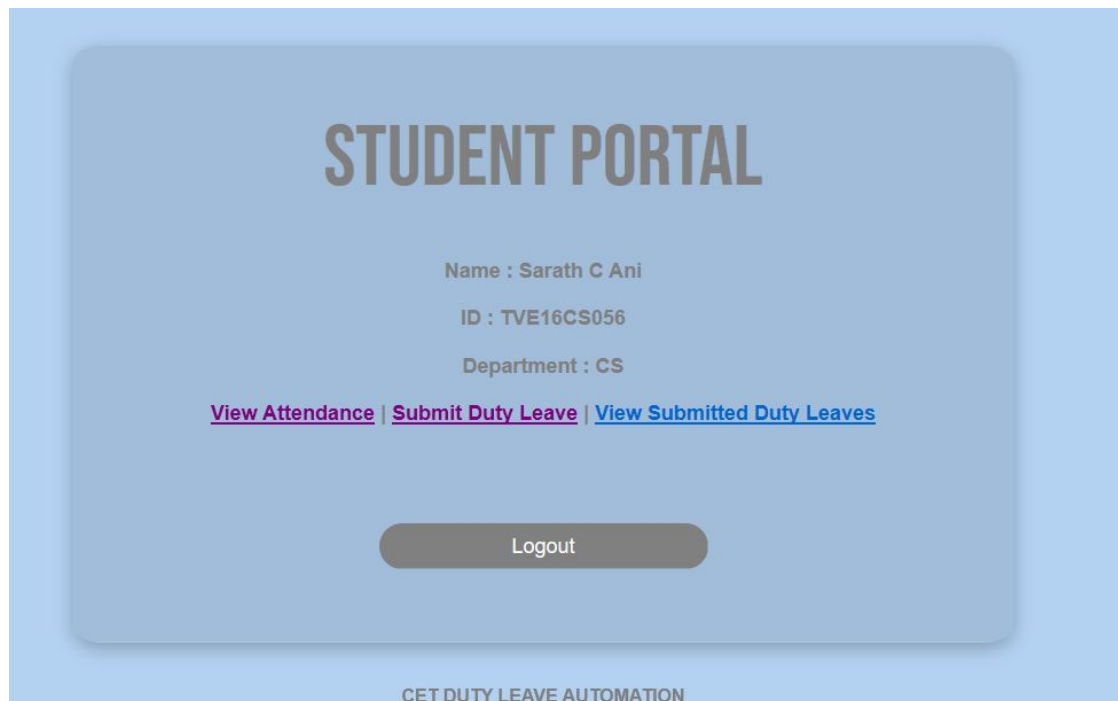


Figure 3.13: Student Portal

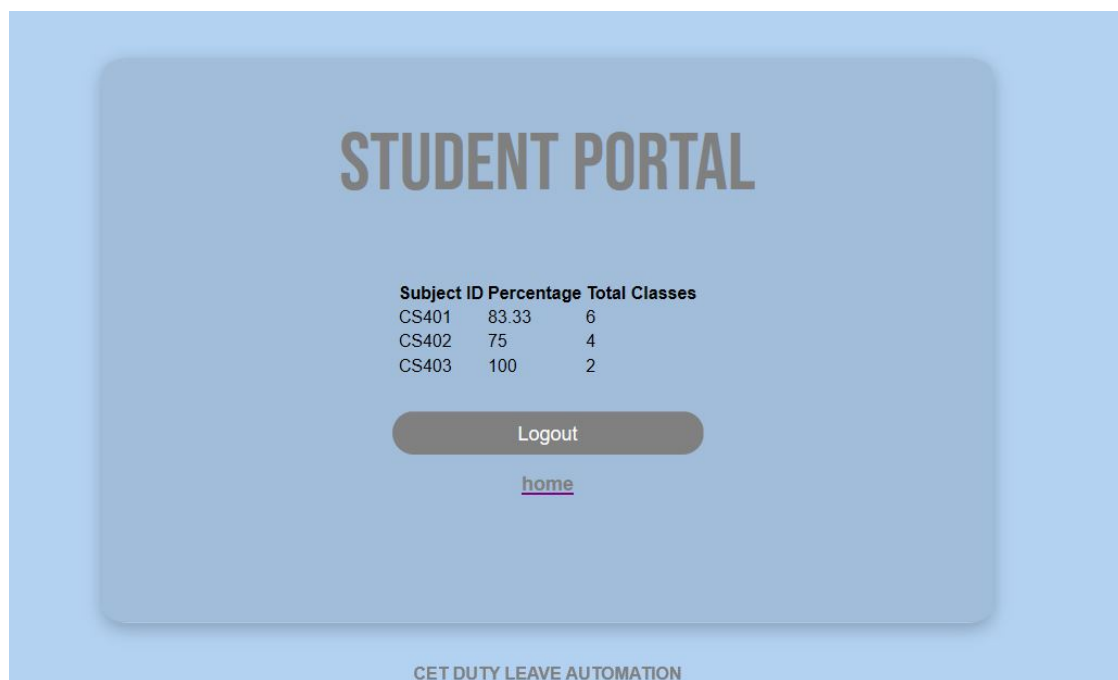


Figure 3.14: Student Portal

# SUBMIT DUTY LEAVE

[home](#)  
 CET DUTY LEAVE AUTOMATION

Figure 3.15: Student Portal

Name : Sarath C Ani					
Status					
Subject	Description	Date and Hour for application		Date of Application	Status
Mess Duty	I was having Mess Duty During the 2 nd hour of 25/11/2019	Mon Nov 25 2019 00:00:00 GMT+0530 (India Standard Time)	2	Mon Nov 25 2019 00:00:00 GMT+0530 (India Standard Time)	Approved
Test	test	Wed Nov 27 2019 00:00:00 GMT+0530 (India Standard Time)	3	Tue Nov 26 2019 00:00:00 GMT+0530 (India Standard Time)	Approved
new	new	Thu Nov 28 2019 00:00:00 GMT+0530 (India Standard Time)	6	Tue Nov 26 2019 00:00:00 GMT+0530 (India Standard Time)	Approved
Mess Duty	mess duty	Mon Dec 02 2019 00:00:00 GMT+0530 (India Standard Time)	2	Tue Nov 26 2019 00:00:00 GMT+0530 (India Standard Time)	Approved
Demo	Demo Purpose	Mon Dec 02 2019 00:00:00 GMT+0530 (India Standard Time)	6	Wed Nov 27 2019 00:00:00 GMT+0530 (India Standard Time)	Approved
<div>logout</div> <div><a href="#">home</a></div>					

Figure 3.16: Student Portal