

# ***ACTS-SMS***

Presented By:

**Mr. Vikram Bhardwaj**(240310120016)

**Ms. Prachi Mathur**(240310120008)

**Mr. Dhananjay Singh**(240310120005)

Guide

**Mr. Pankaj Kumar Mahto**

Senior Project Engineer, CDAC Delhi



# TEAM CONTRIBUTION

- Vikram Bhardwaj: Work on back-end for user & help in front-end.
- Dhananjay Singh: Work on front-end & help in database.
- Prachi Mathur: Work on database and testing.



# PROBLEM STATEMENT

- Lack of Robust central platform for students and teachers in CDAC ACTS.
- Use of multiple platforms for feedback mechanism and Attendance of students(including pen and paper)
- Bringing Anonymity for better feedbacks, and removing fear of kickbacks.



# INTRODUCTION

## **ACTS-SMS incorporates →**

- *Comprehensive Management:* centralized platform with separate dashboards for admins, teachers, and students.
- *Attendance Tracking:* efficient submission and real-time tracking of student attendance
- *Feedback System:* Students can submit feedback to teachers, which can be tracked and reviewed.
- *Role-Specific Dashboards:* Customized dashboards are available for admins, teachers, and students.
- *In-Progress Development:* Currently, the system supports core features and has immense future prospects, functionality added like resource sharing and library feature.

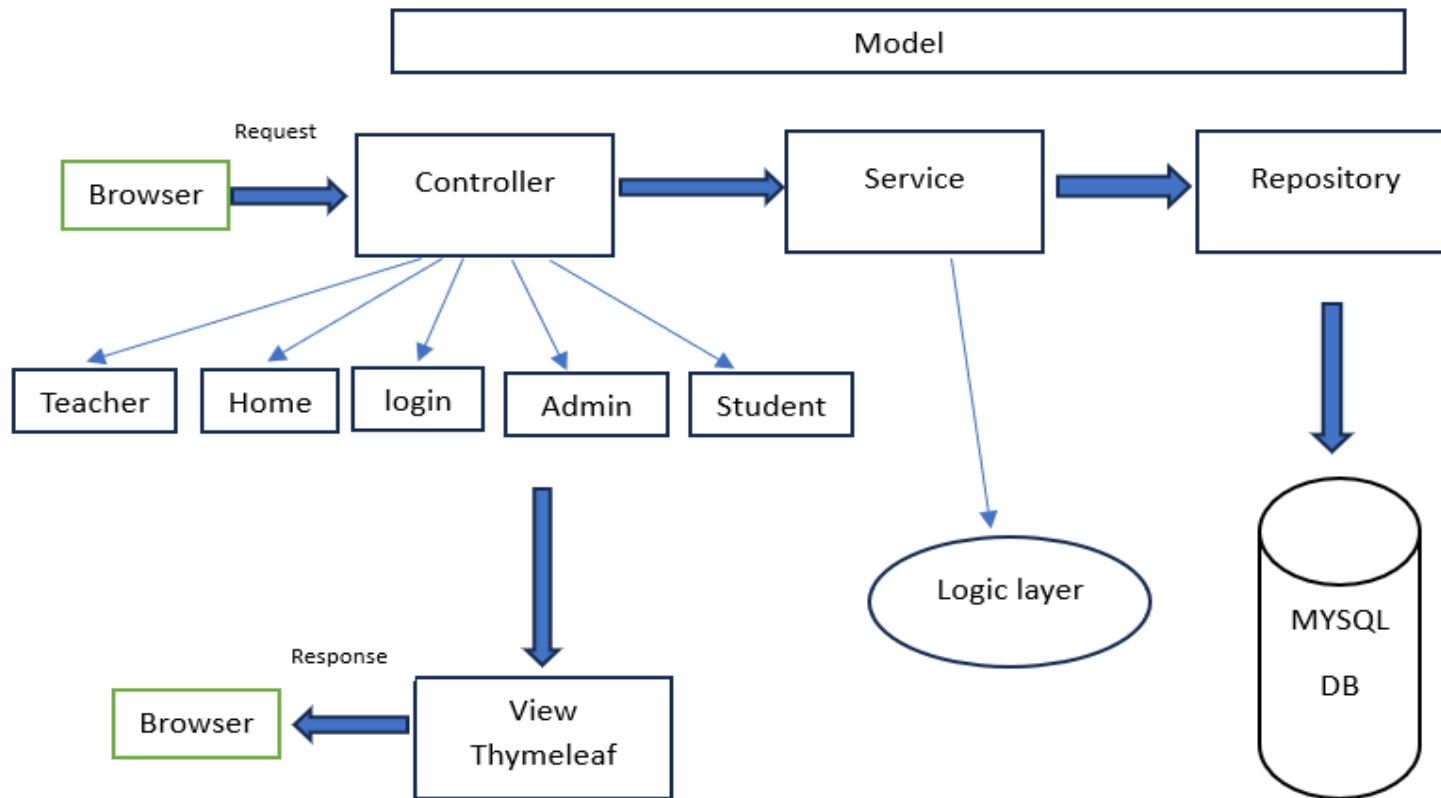


# SOFTWARE REQUIREMENTS

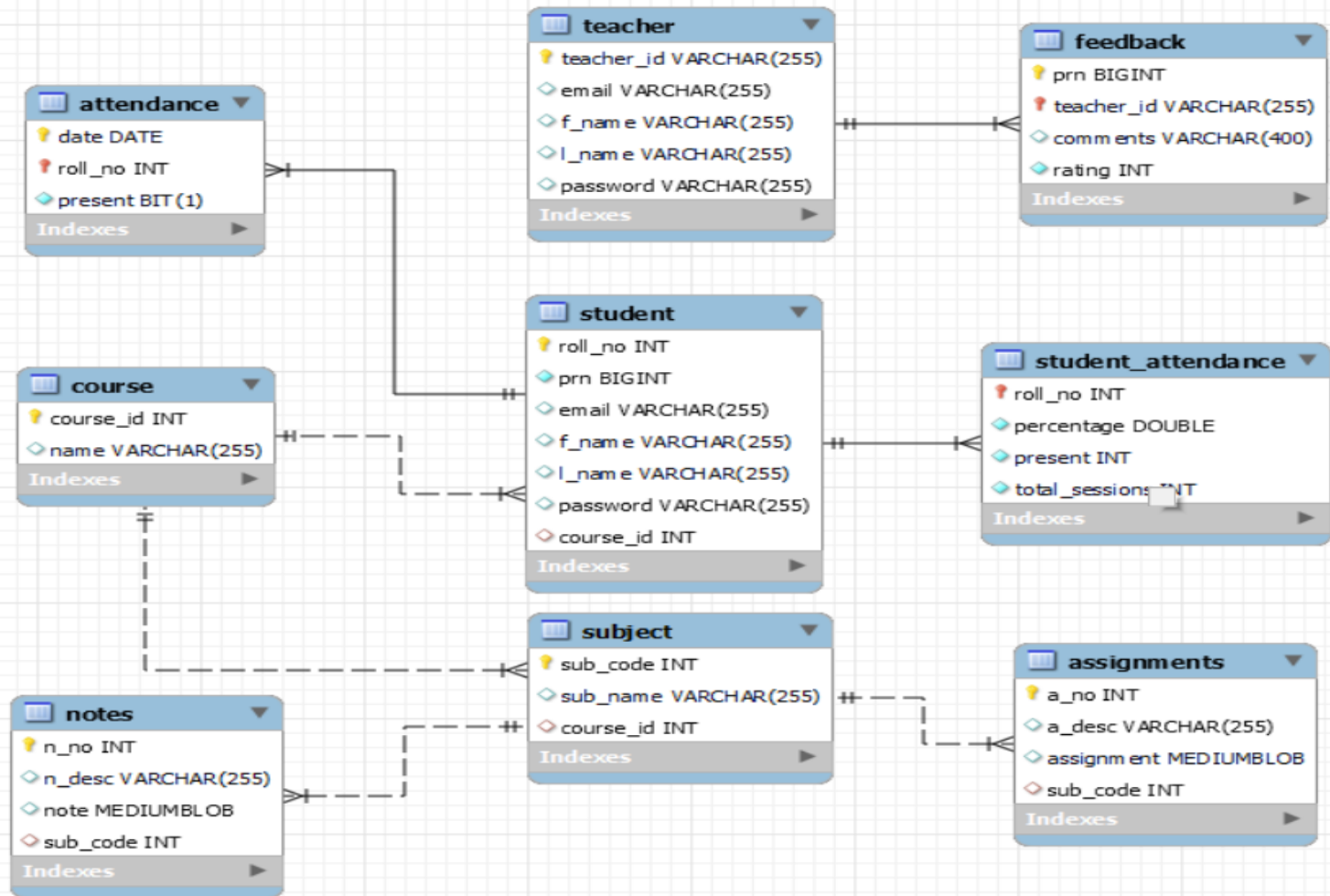
- Designing End: HTML5, CSS3, Bootstrap 5.
- Development End: Spring Boot(3.2.8), Spring MVC, Hibernate, Servlet, Thymeleaf.
- Data Base : MySQL.
- Web Server: TOMCAT Web Server.
- Tools : STS 4(JDK:17), MySQL Workbench 8.0 CE, Browser



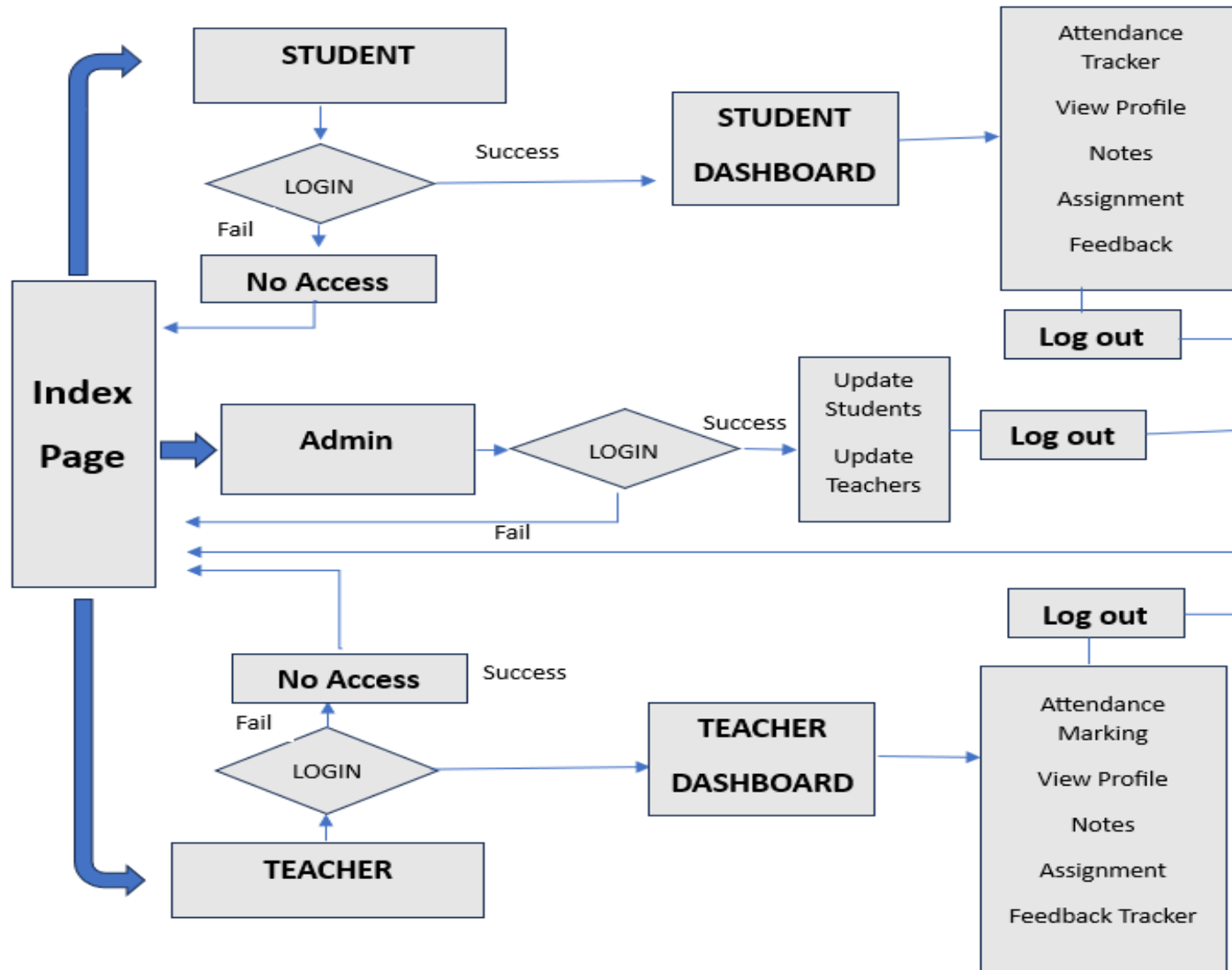
# SYSTEM ARCHITECTURE:



# ER DIAGRAM:



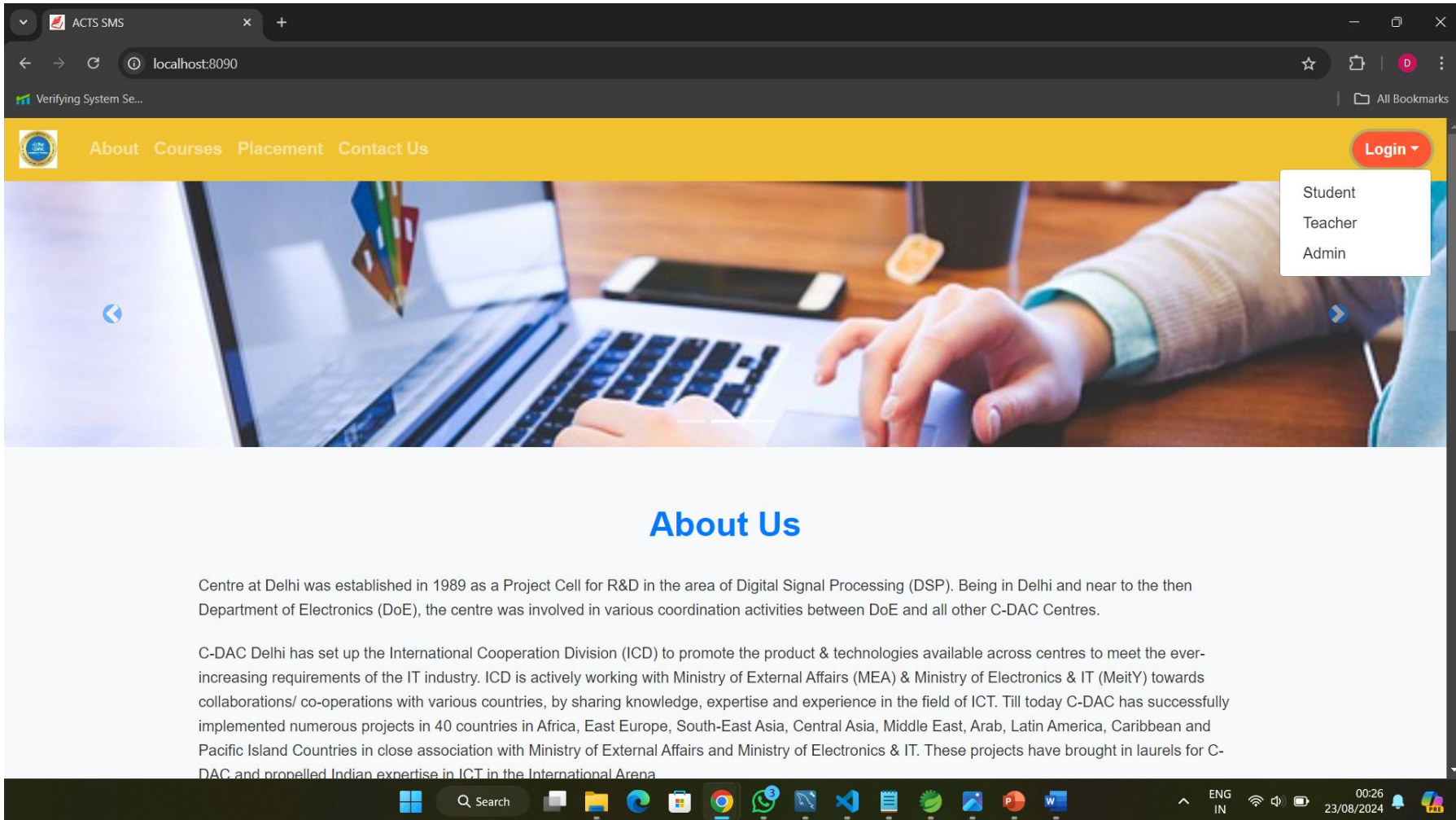
# USE-CASE MODEL





# IMPLEMENTATION OF ACTS-SMS

## ■ Index page:



The screenshot shows a web browser window displaying the ACTS SMS website. The browser's address bar shows 'localhost:8090'. The website has a yellow header with a logo on the left and navigation links: 'About', 'Courses', 'Placement', and 'Contact Us'. A 'Login' button is on the right, with a dropdown menu showing 'Student', 'Teacher', and 'Admin'. The main content area features a large image of hands typing on a laptop. Below the image, the heading 'About Us' is displayed in blue. The text describes the Centre at Delhi, established in 1989 as a Project Cell for R&D in Digital Signal Processing (DSP). It mentions its association with the Department of Electronics (DoE) and its role in coordination activities. The text also describes the International Cooperation Division (ICD) and its work with the Ministry of External Affairs (MEA) and the Ministry of Electronics & IT (MeitY) towards collaborations and co-operations with various countries. The text concludes by stating that C-DAC has successfully implemented numerous projects in 40 countries in Africa, East Europe, South-East Asia, Central Asia, Middle East, Arab, Latin America, Caribbean and Pacific Island Countries in close association with the Ministry of External Affairs and Ministry of Electronics & IT. These projects have brought in laurels for C-DAC and propelled Indian expertise in ICT in the International Arena.

ACTS SMS

localhost:8090

Verifying System Se...

About Courses Placement Contact Us

Login

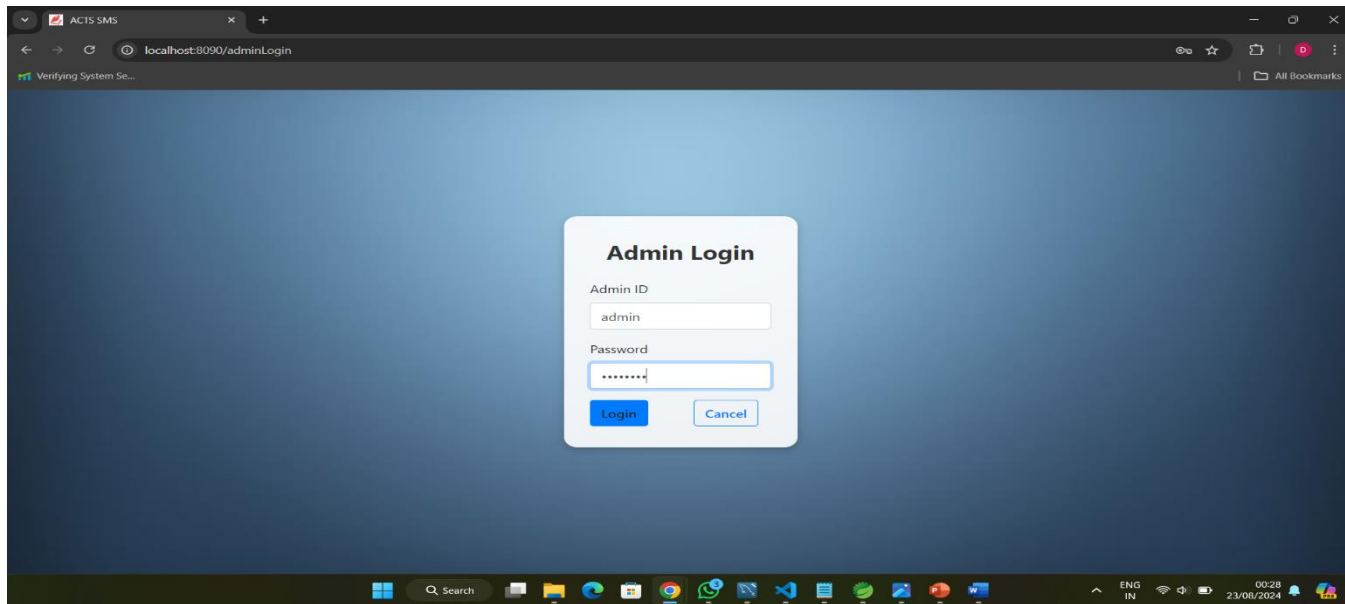
Student  
Teacher  
Admin

## About Us

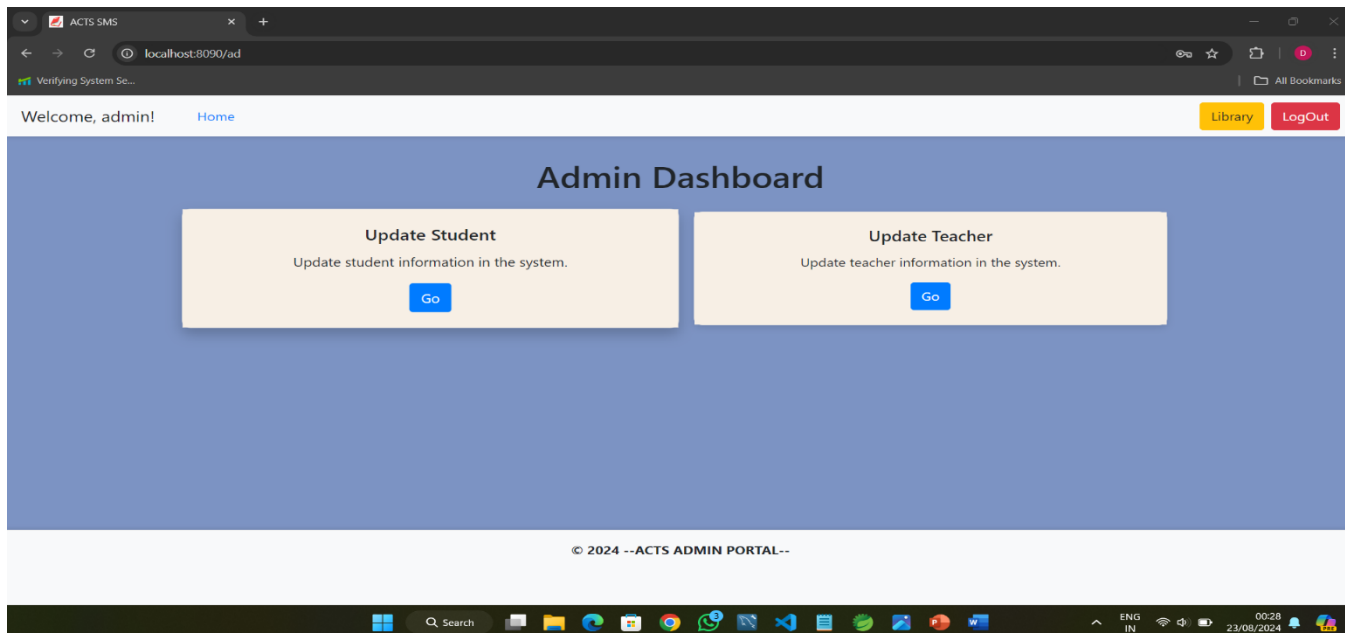
Centre at Delhi was established in 1989 as a Project Cell for R&D in the area of Digital Signal Processing (DSP). Being in Delhi and near to the then Department of Electronics (DoE), the centre was involved in various coordination activities between DoE and all other C-DAC Centres.

C-DAC Delhi has set up the International Cooperation Division (ICD) to promote the product & technologies available across centres to meet the ever-increasing requirements of the IT industry. ICD is actively working with Ministry of External Affairs (MEA) & Ministry of Electronics & IT (MeitY) towards collaborations/ co-operations with various countries, by sharing knowledge, expertise and experience in the field of ICT. Till today C-DAC has successfully implemented numerous projects in 40 countries in Africa, East Europe, South-East Asia, Central Asia, Middle East, Arab, Latin America, Caribbean and Pacific Island Countries in close association with Ministry of External Affairs and Ministry of Electronics & IT. These projects have brought in laurels for C-DAC and propelled Indian expertise in ICT in the International Arena.

## ■ Admin Login And dashboard:



A screenshot of a web browser window showing the 'Admin Login' page. The browser's address bar displays 'localhost:8090/adminLogin'. The page has a dark blue gradient background. In the center, there is a white login form titled 'Admin Login'. The form contains two input fields: 'Admin ID' with the value 'admin' and 'Password' with masked characters '\*\*\*\*\*'. Below the password field are two buttons: 'Login' (blue) and 'Cancel' (white with a blue border). The Windows taskbar is visible at the bottom of the browser window.



A screenshot of the 'Admin Dashboard' page. The browser's address bar shows 'localhost:8090/ad'. The page header includes a welcome message 'Welcome, admin!' and a 'Home' link. On the right side of the header are 'Library' and 'LogOut' buttons. The main content area has a blue background with the title 'Admin Dashboard'. Below the title are two white cards. The left card is titled 'Update Student' and contains the text 'Update student information in the system.' with a 'Go' button. The right card is titled 'Update Teacher' and contains the text 'Update teacher information in the system.' with a 'Go' button. The footer of the page displays '© 2024 --ACTS ADMIN PORTAL--'. The Windows taskbar is visible at the bottom.



## ■ Admin Options:

The screenshot shows a web browser window with the URL `localhost:8090/updateStudents`. The page title is "ACTS SMS". The header includes a "Welcome, admin!" message, a "Home" link, and "Library" and "LogOut" buttons. The main content area is titled "List of Students" and features an "Add New" button. Below this is a table with the following data:

Roll No	First Name	Last Name	Email Id	PRN	Edit	Delete
1	Dhananjay	Singh	adhananjay@gmail.com	2403250005	Edit	Delete
2	Prachi	Mathur	prachi@gmail.com	245000021	Edit	Delete

The footer of the page displays "© 2024 --ACTS ADMIN PORTAL--".

The screenshot shows the same web browser window, but with a "New Student" modal form open. The form contains the following fields:

- Roll No:
- First Name:
- Last Name:
- Email Id:
- PRN:

At the bottom of the modal are "Close" and "Save" buttons. The background table from the previous screenshot is visible but dimmed.



## ■ Continue.....

The screenshot shows a web browser window with the URL `localhost:8090/updateTeachers`. The page title is "Verifying System Se...". The header includes "Welcome, admin!" and a "Home" link. On the right, there are "Library" and "LogOut" buttons. The main content area is titled "List of Teachers" and features an "Add New" button. Below this is a table with the following data:

Teacher ID	First Name	Last Name	Email Id	Edit	Delete
t101	Pankaj	Mahto	pankaj@gmail.com	Edit	Delete
t102	Anurag	Singh	anurag@gmail.com	Edit	Delete

The footer displays "© 2024 --ACTS ADMIN PORTAL--" and a "Show hidden icons" button. The Windows taskbar at the bottom shows the time as 00:34 on 23/08/2024.

The screenshot shows the same web browser window, but with a "New Teacher" modal form open. The form contains the following fields:

- Teacher ID:
- First Name:
- Last Name:
- Email Id:

At the bottom of the modal are "Close" and "Save" buttons. The background table and header are dimmed. The footer and taskbar are identical to the previous screenshot.



## ■ Teacher Login and Dashboard:

The screenshot displays a web browser window with the address bar showing 'localhost:8090/teacherLogin'. The page features a 'Teacher Login' modal with the following fields and buttons:

- Teacher ID:** A text input field containing 't101'.
- Password:** A password input field with masked characters '.....'.
- Login:** A blue button to submit the login credentials.
- Cancel:** A white button to cancel the login attempt.
- Forgot Password?:** A link below the password field.

Below the login modal, the dashboard is visible, showing a welcome message 'Welcome, Ashutosh!' and a 'Home' link. The dashboard includes five main sections, each with a 'Go' button:

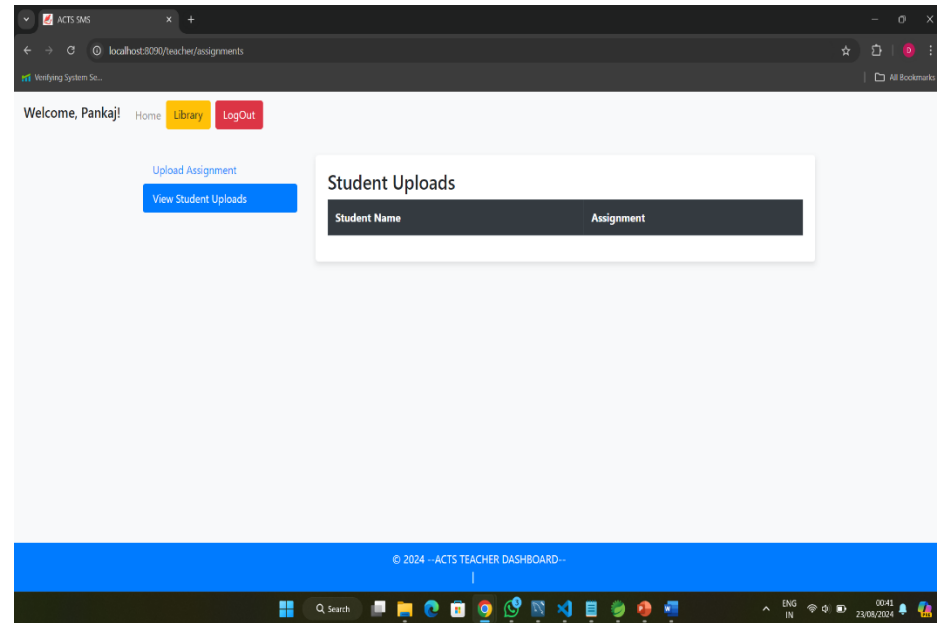
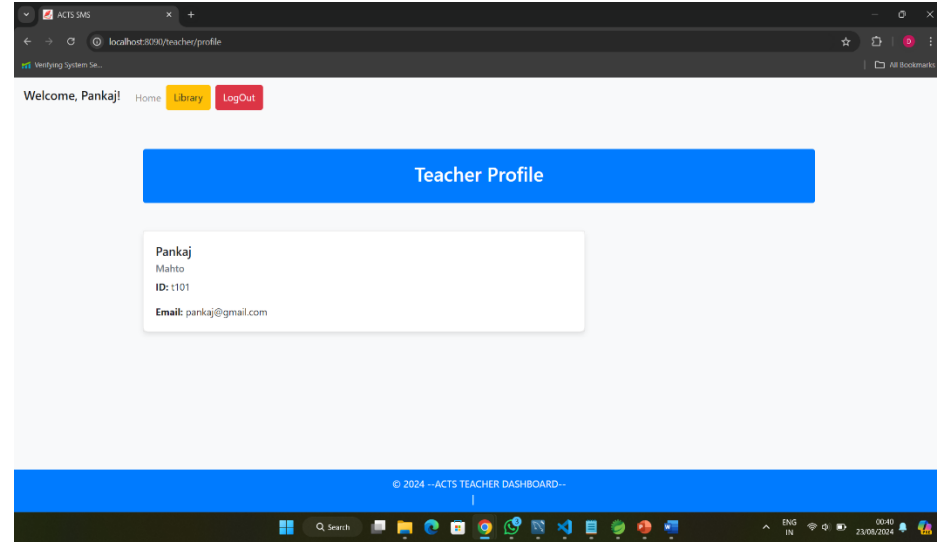
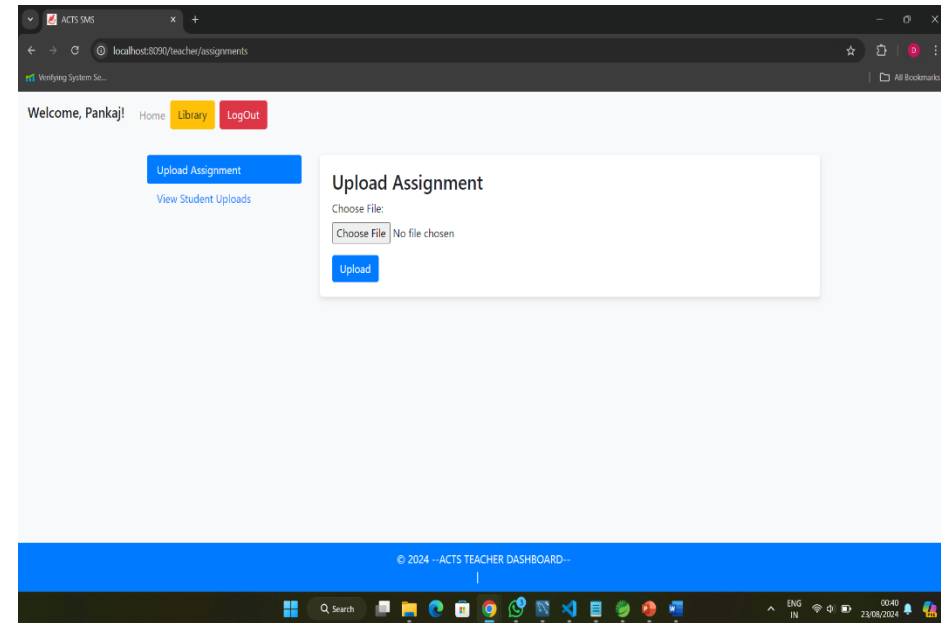
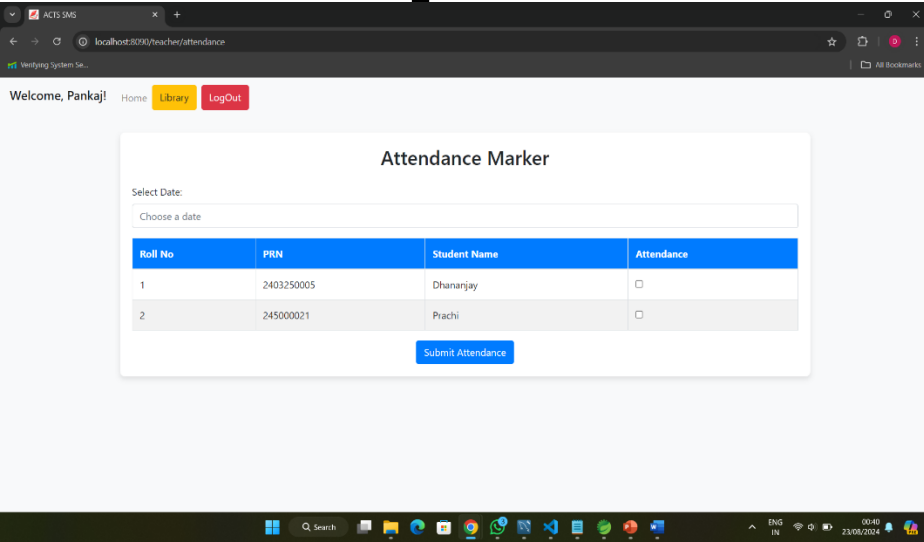
- Attendance Tracker:** Track your attendance records.
- View Profile:** View your profile details.
- Your Notes:** Access your notes here.
- Your Assignments:** View your assignments here.
- Feedback for Tutor:** Provide feedback for your tutor.

At the bottom right, a success message is displayed: 'Success' (Just now) with the text 'Feedback has been successfully recorded.'.

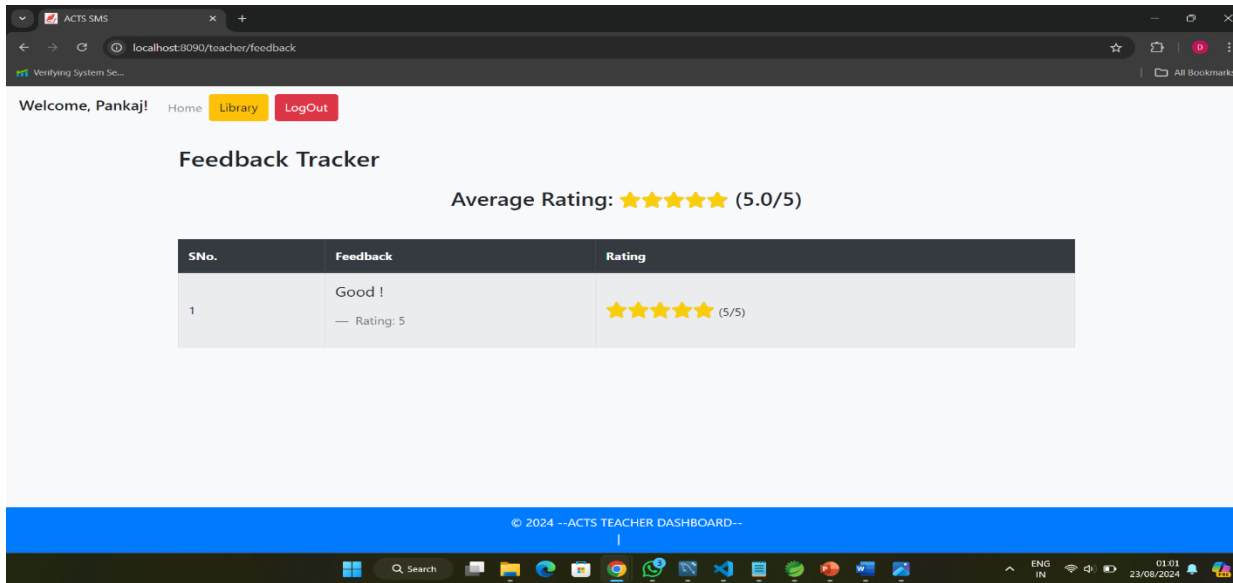
The footer of the page reads: '© 2024 --ACTS STUDENT PORTAL--'.



## Teacher Options:

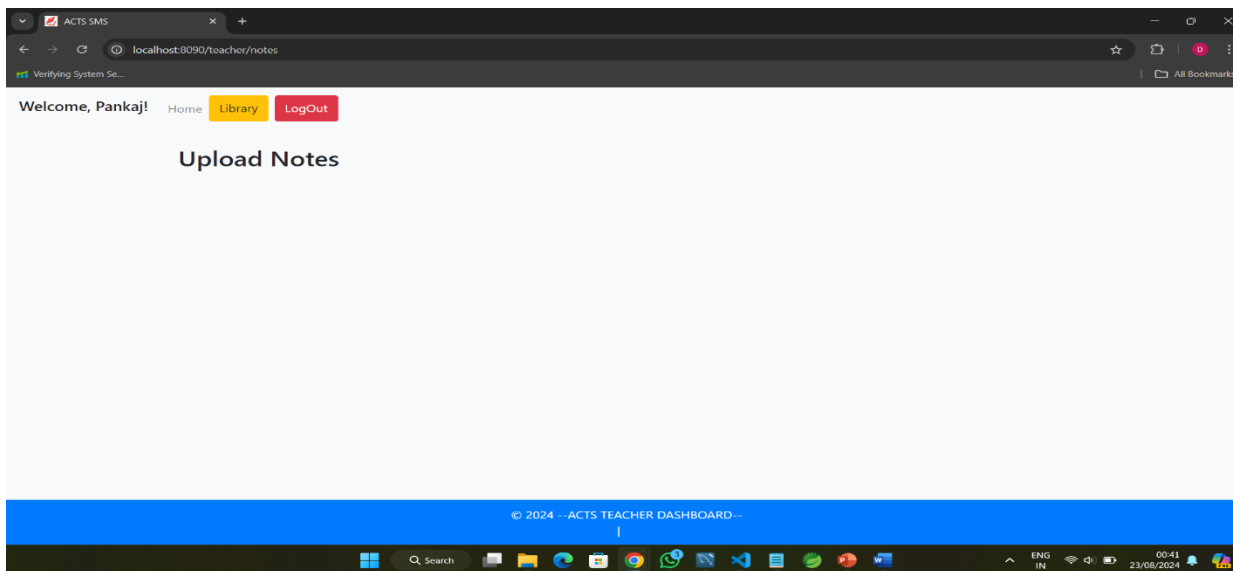


## ■ Continue.....



The screenshot shows a web browser window with the URL `localhost:8090/teacher/feedback`. The page header includes a welcome message "Welcome, Pankaj!" and navigation links for "Home", "Library", and "LogOut". The main content area is titled "Feedback Tracker" and displays an "Average Rating: ★★★★★ (5.0/5)". Below this, a table lists feedback entries. The table has three columns: "SNo.", "Feedback", and "Rating". A single entry is shown with SNo. 1, Feedback "Good !", and a Rating of "★★★★★ (5/5)". The footer of the page shows the copyright notice "© 2024 --ACTS TEACHER DASHBOARD--".

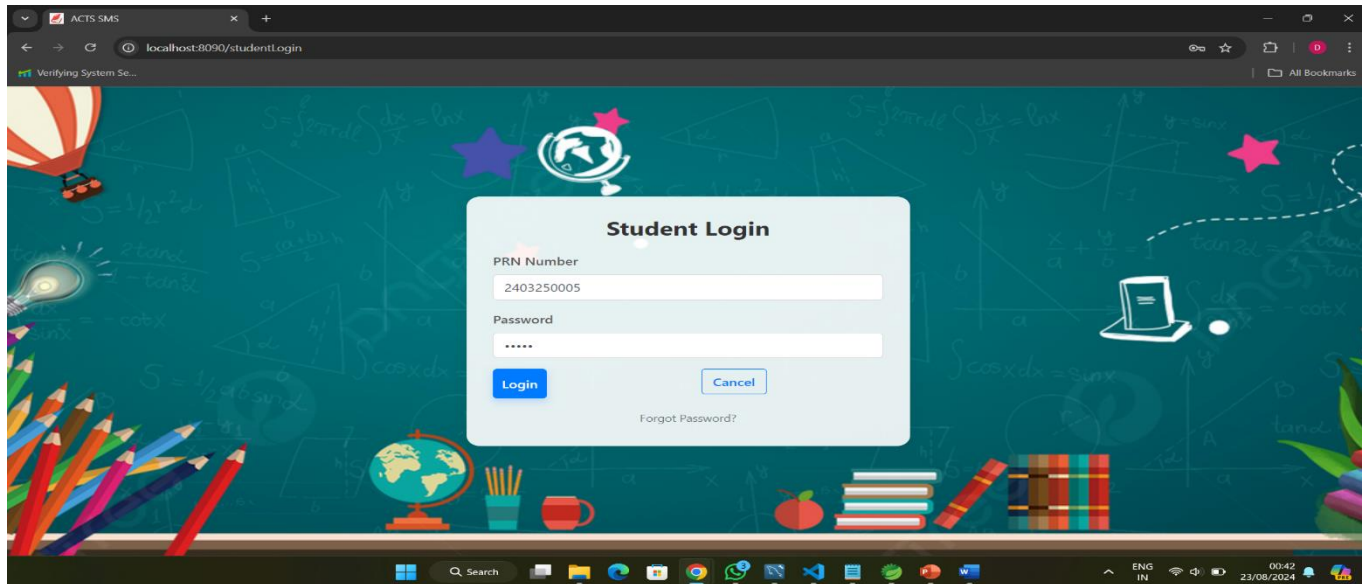
SNo.	Feedback	Rating
1	Good ! — Rating: 5	★★★★★ (5/5)



The screenshot shows a web browser window with the URL `localhost:8090/teacher/notes`. The page header is identical to the previous screenshot, with "Welcome, Pankaj!" and navigation links for "Home", "Library", and "LogOut". The main content area is titled "Upload Notes". The footer of the page shows the copyright notice "© 2024 --ACTS TEACHER DASHBOARD--".



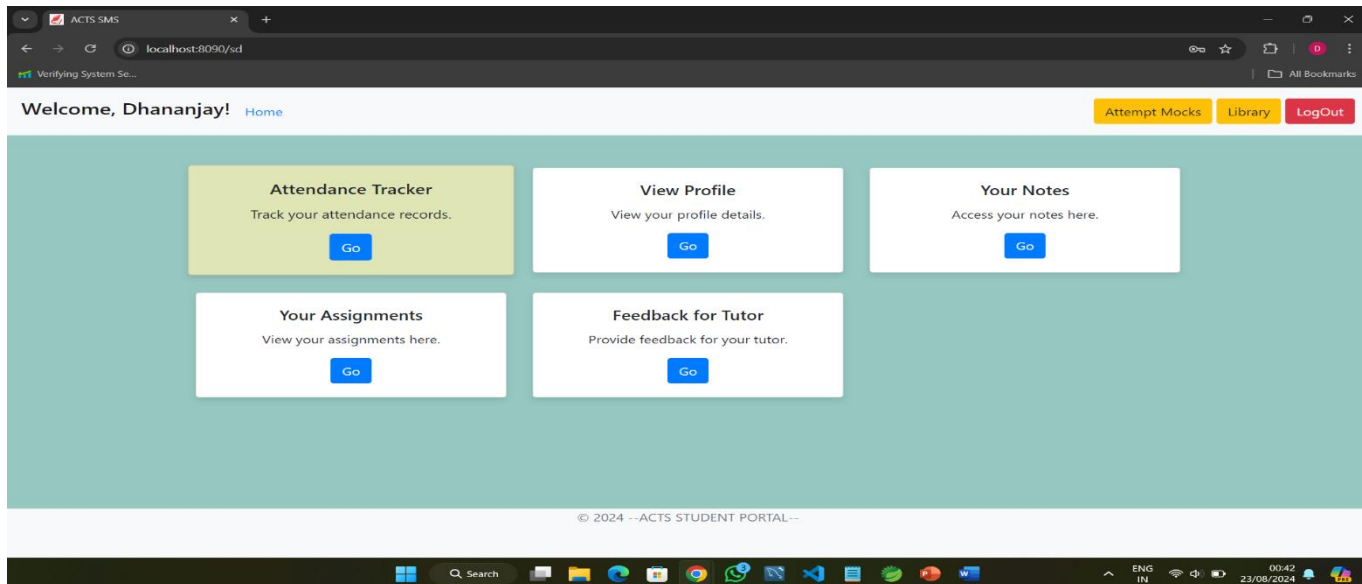
## ■ Student Login and dashboard:



A screenshot of a web browser showing the 'Student Login' page. The browser's address bar displays 'localhost:8090/studentLogin'. The page features a decorative background with mathematical formulas, a globe, and school supplies. A central white login form is titled 'Student Login' and contains the following elements:

- PRN Number:** A text input field with the value '2403250005'.
- Password:** A text input field with masked characters '\*\*\*\*\*'.
- Login:** A blue button.
- Cancel:** A light blue button.
- Forgot Password?:** A link below the password field.

The Windows taskbar at the bottom shows the system time as 00:42 on 23/08/2024.



A screenshot of the 'ACTS SMS' student dashboard. The browser's address bar shows 'localhost:8090/sd'. The page has a light teal background and includes a welcome message 'Welcome, Dhananjay!' with a 'Home' link. In the top right corner, there are three buttons: 'Attempt Mocks' (yellow), 'Library' (yellow), and 'LogOut' (red). The main content area consists of five white cards, each with a title, a description, and a blue 'Go' button:

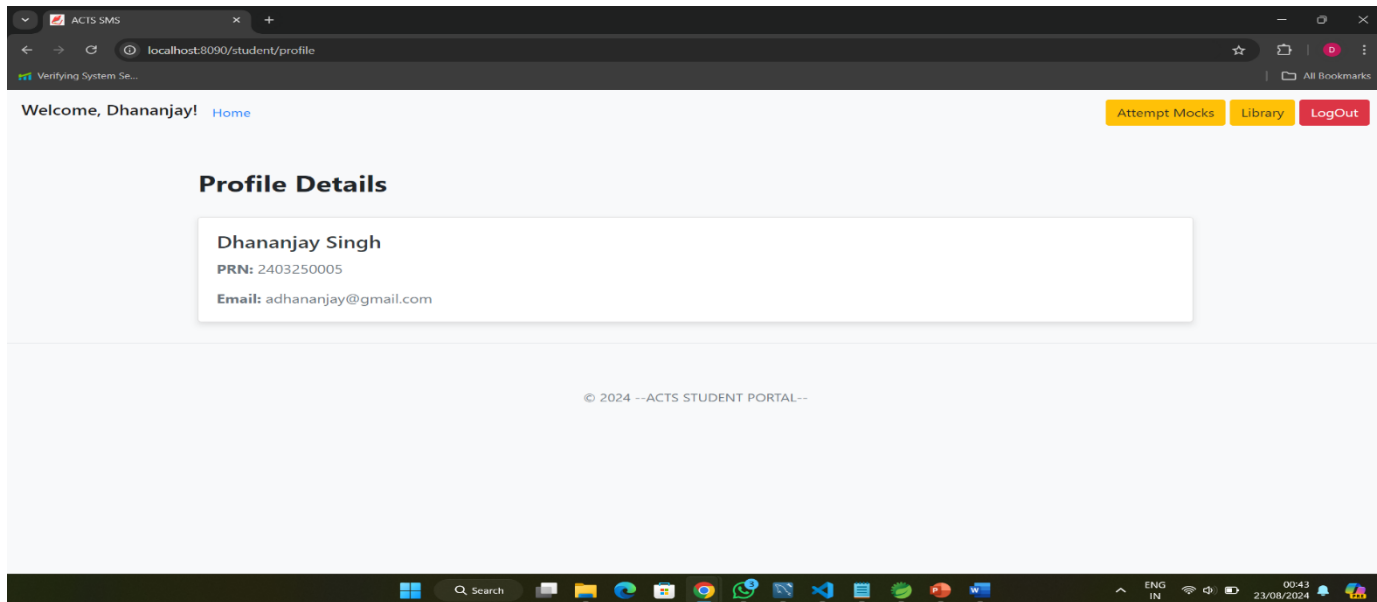
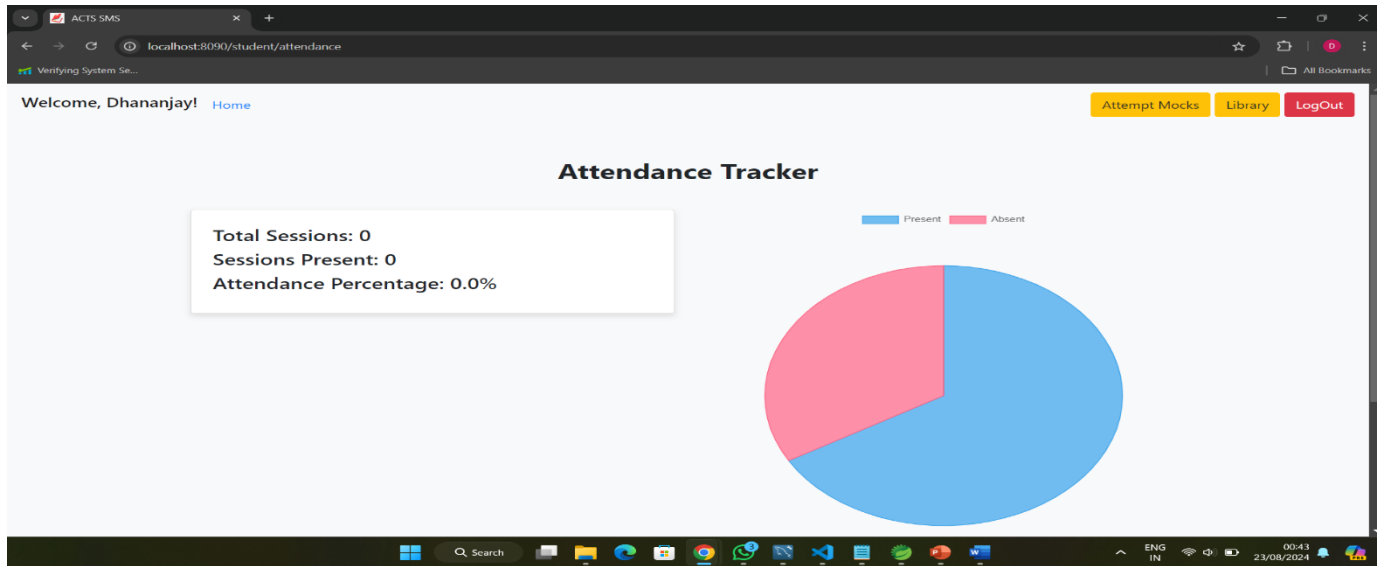
- Attendance Tracker:** Track your attendance records.
- View Profile:** View your profile details.
- Your Notes:** Access your notes here.
- Your Assignments:** View your assignments here.
- Feedback for Tutor:** Provide feedback for your tutor.

The footer of the page reads '© 2024 --ACTS STUDENT PORTAL--'. The Windows taskbar at the bottom shows the system time as 00:42 on 23/08/2024.





## ■ Student Options:



## ■ Continue.....

The screenshot shows a web browser window with the URL `localhost:8090/student/assignments`. The page title is "ACTS SMS". The user is logged in as "Dhananjay!". The page has a header with "Welcome, Dhananjay!" and a "Home" link. On the right, there are three buttons: "Attempt Mocks" (yellow), "Library" (yellow), and "LogOut" (red). The main content area is titled "Your Assignments" and contains a large empty box for assignments. To the right of this box is an "Upload Assignment" section with a "Choose file" input, a "Browse" button, and an "Upload" button. At the bottom of the page, there is a copyright notice: "© 2024 --ACTS STUDENT PORTAL--".

ACTS SMS

localhost:8090/student/assignments

Welcome, Dhananjay! [Home](#)

[Attempt Mocks](#) [Library](#) [LogOut](#)

### Your Assignments

#### Upload Assignment

Choose file [Browse](#)

[Upload](#)

© 2024 --ACTS STUDENT PORTAL--

The screenshot shows a web browser window with the URL `localhost:8090/student/feedback`. The page title is "ACTS SMS - Feedback". The user is logged in as "Dhananjay!". The page has a header with "Welcome, Dhananjay!" and a "Home" link. On the right, there are three buttons: "Attempt Mocks" (yellow), "Library" (yellow), and "LogOut" (red). The main content area is titled "Feedback for Tutor". It contains a "Select Teacher:" dropdown menu with the value "t101 - Pankaj". Below this is a "Teacher Name:" text input field with the value "Pankaj". Then there is a "Rating:" dropdown menu with the value "5". Finally, there is a "Feedback:" text area with the value "Good". At the bottom of the form is a "Submit Feedback" button.

ACTS SMS - Feedback

localhost:8090/student/feedback

Welcome, Dhananjay! [Home](#)

[Attempt Mocks](#) [Library](#) [LogOut](#)

### Feedback for Tutor

Select Teacher:  
t101 - Pankaj

Teacher Name:  
Pankaj

Rating:  
5

Feedback:  
Good

[Submit Feedback](#)



# FEATURES IN FUTURE

- **Resource Sharing:** Enable targeted sharing and submission of resources by students.
- **Library Portal:** Integrate a portal to provide real-time information on book availability for students.
- **Mock Tests:** Implement customizable mock tests for exam preparation, allowing dynamic creation by students.
- **Mobile Access:** Develop a mobile app for on-the-go access, ensuring continuous learning and engagement.



# CONCLUSION

- The role Specific Dashboards are the key of this platform. And we had vision of solving the problems that usually student administration faces.
- We designed the simple user interface and management of sessions.
- Finally, system is implemented and tested accordingly to the test cases.
- This Project provided us with nuances of project development, and what actually goes into the planning and successive versioning of the application.



*'INNOVATION DISTINGUISHES  
BETWEEN A LEADER AND A  
FOLLOWER.'*

— **STEVE JOBS**

**THANK YOU...**

