

IT STEP

PRESENTATION

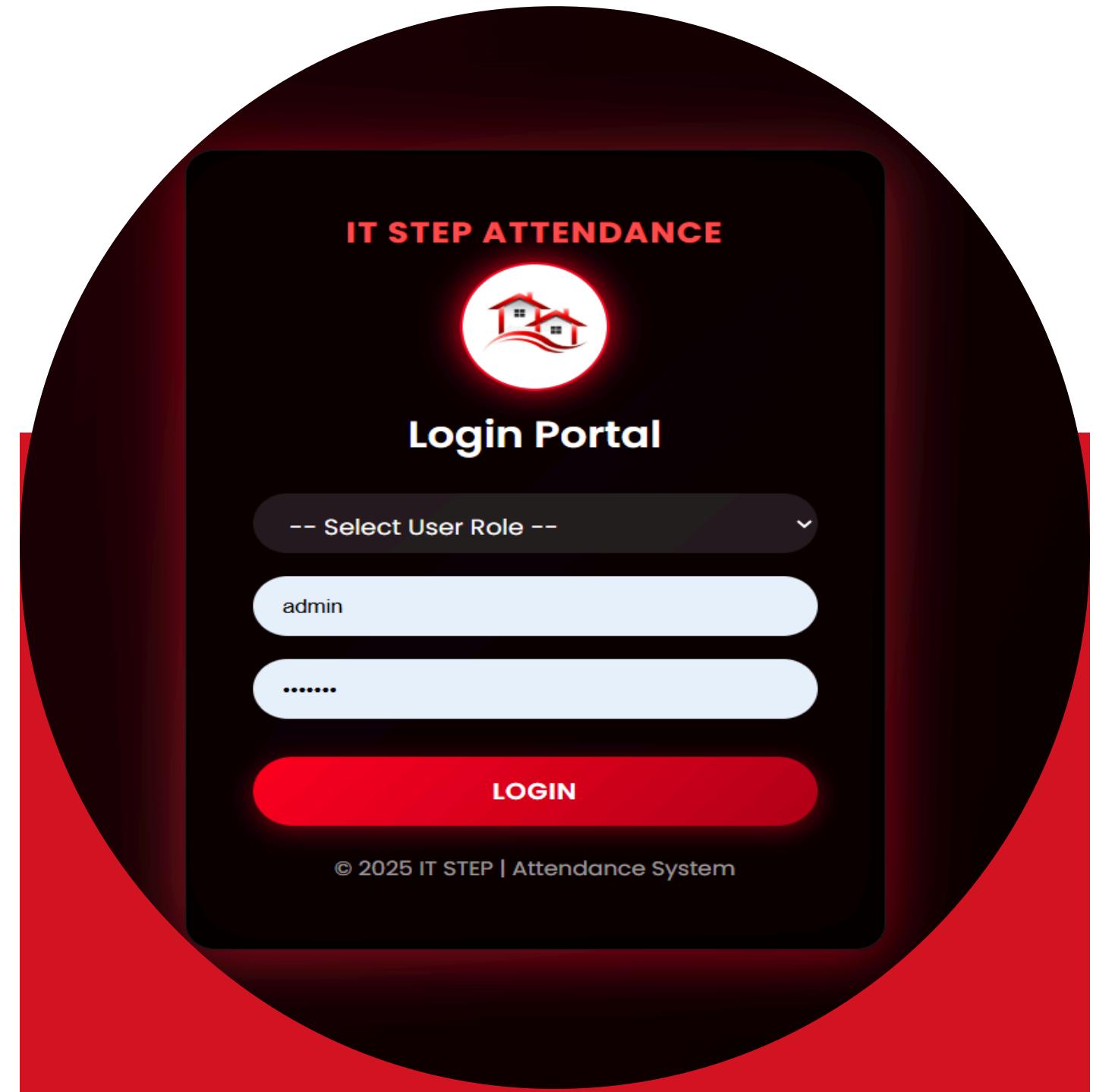
Project : Attendance System

Developed Using : PHP, MySQL, HTML, CSS, javaScript

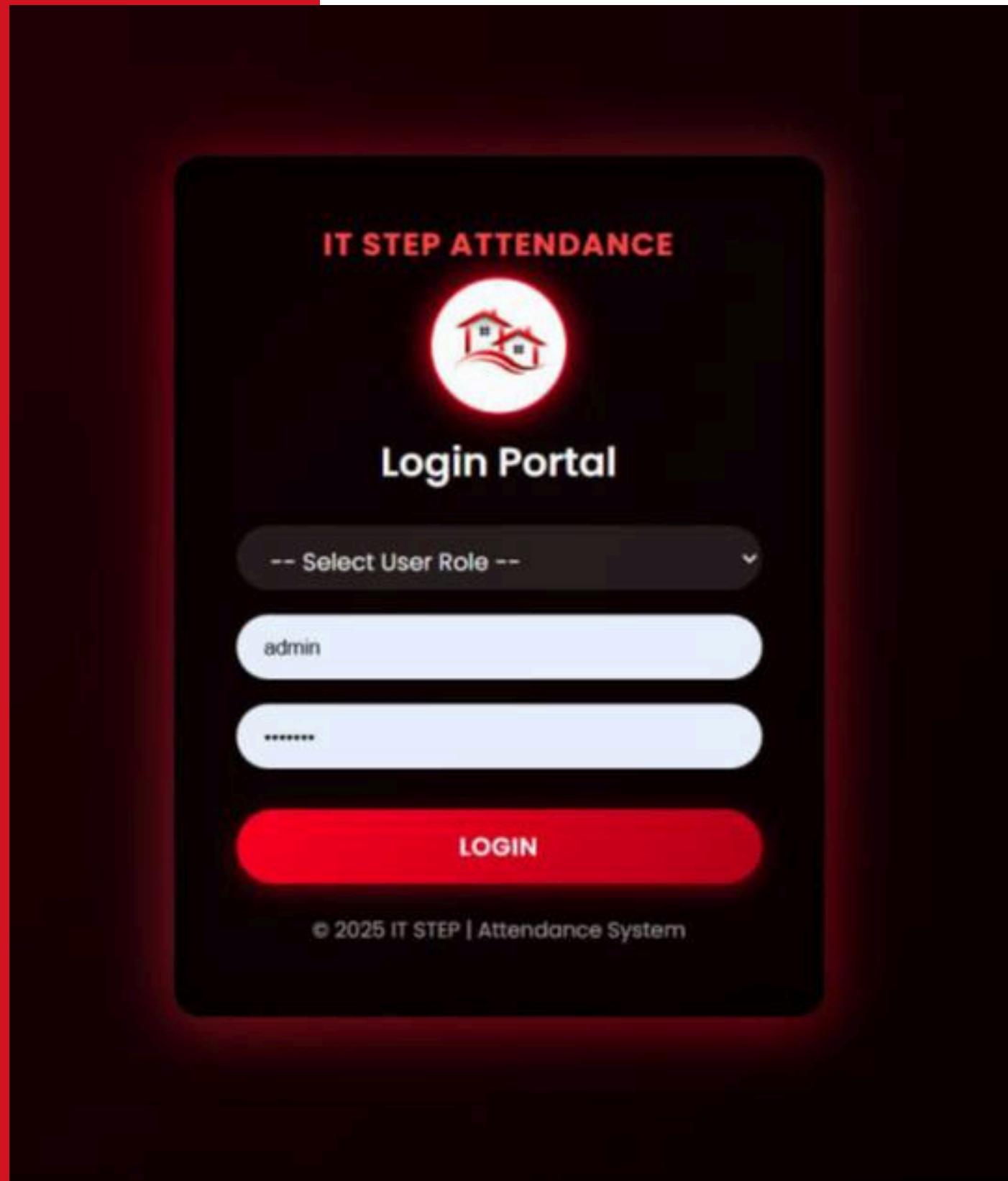
Presented By: Rattanakphoum and Seyhak

Objective of the project

- The main objective of this project is to digitize school operations and make management easier for administrators, class, attendance, teachers and students.
- The system helps in recording student data, managing attendance, grades, and communication efficiently.
- Benefits:
 - > easy to take attendance of student.
 - > Saves time for teachers and staff.
 - > easy to review all the class.



Features of the System



- **Admin Panel:** Manage students, teachers, subjects, classes, and timetables.
- **Teacher Panel:** Record attendance, upload marks, and communicate with students..
- **Secure Login System:** Role-based access for admin and teacher.
- **Database Integration:** Centralized system using MySQL for data management.

A screenshot of the Class Teacher Dashboard for Software Development - S1. The dashboard has a red header with the text "Welcome Rattanakphoum Chenda", a search icon, and a user profile icon. On the left is a sidebar with "AMS" logo, "Dashboard", "STUDENTS" section with "Manage Students", "ATTENDANCE" section with "Manage Attendance", and a red "TOTAL STUDENT ATTENDANCE" box showing "23". The main area is titled "Class Teacher Dashboard (Software Development - S1)". It features four cards: "STUDENTS 2" with a people icon, "CLASSES 3" with a desk icon, "CLASS ARMS 3" with a gear icon, and a red "TOTAL STUDENT ATTENDANCE 23" box with a calendar icon.

Challenges and Problem Solving

- Challenge 1: Handling multiple user roles and permissions.
- Solution: Used PHP sessions and authentication system for secure access control.
- Challenge 2: Managing large database relationships (students, teachers, subjects).
- Solution: Implemented relational database

The screenshot shows the Class Teacher Dashboard for the Software Development - S1 class. The dashboard has a red header with the text "AMS" and "Welcome Rattanakphoum Chenda". On the left, there is a sidebar with "Dashboard", "STUDENTS" (Manage Students), and "ATTENDANCE" (Manage Attendance) options. The main content area displays four key metrics:

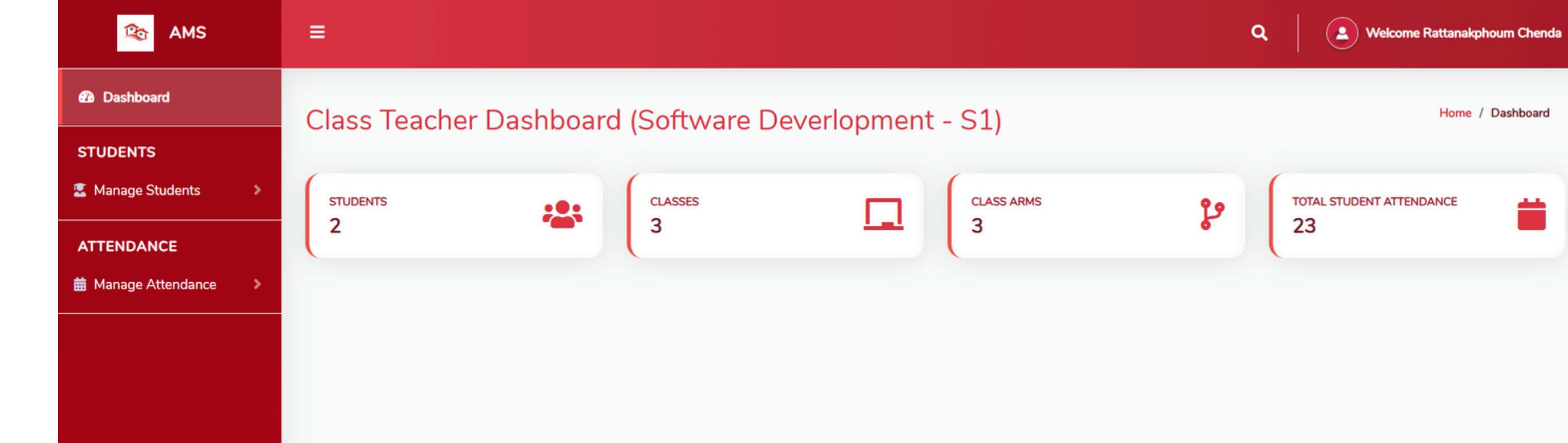
- STUDENTS: 2 (represented by a group icon)
- CLASSES: 3 (represented by a laptop icon)
- CLASS ARMS: 3 (represented by a gear icon)
- TOTAL STUDENT ATTENDANCE: 23 (represented by a calendar icon)

The URL in the browser bar is "Home / Dashboard".

Demo System

- > Admin login and dashboard overview.
- > Admin manage class and teacher.
- > Admin manage Session and term.
- > Adding a new student record.
- > Teacher uploading attendance.
- > Teacher can view Student attendance.

TEACHER DASHBOARD



The Teacher Dashboard is titled "Class Teacher Dashboard (Software Development - S1)". It features a sidebar with "AMS" and "Dashboard" icons, and sections for "STUDENTS" (Manage Students) and "ATTENDANCE" (Manage Attendance). The main area displays four key metrics: 2 STUDENTS (represented by a people icon), 3 CLASSES (represented by a laptop icon), 3 CLASS ARMS (represented by a gear icon), and 23 TOTAL STUDENT ATTENDANCE (represented by a calendar icon).

Class Teacher Dashboard (Software Development - S1)

Home / Dashboard

AMS

Dashboard

STUDENTS

Manage Students

ATTENDANCE

Manage Attendance

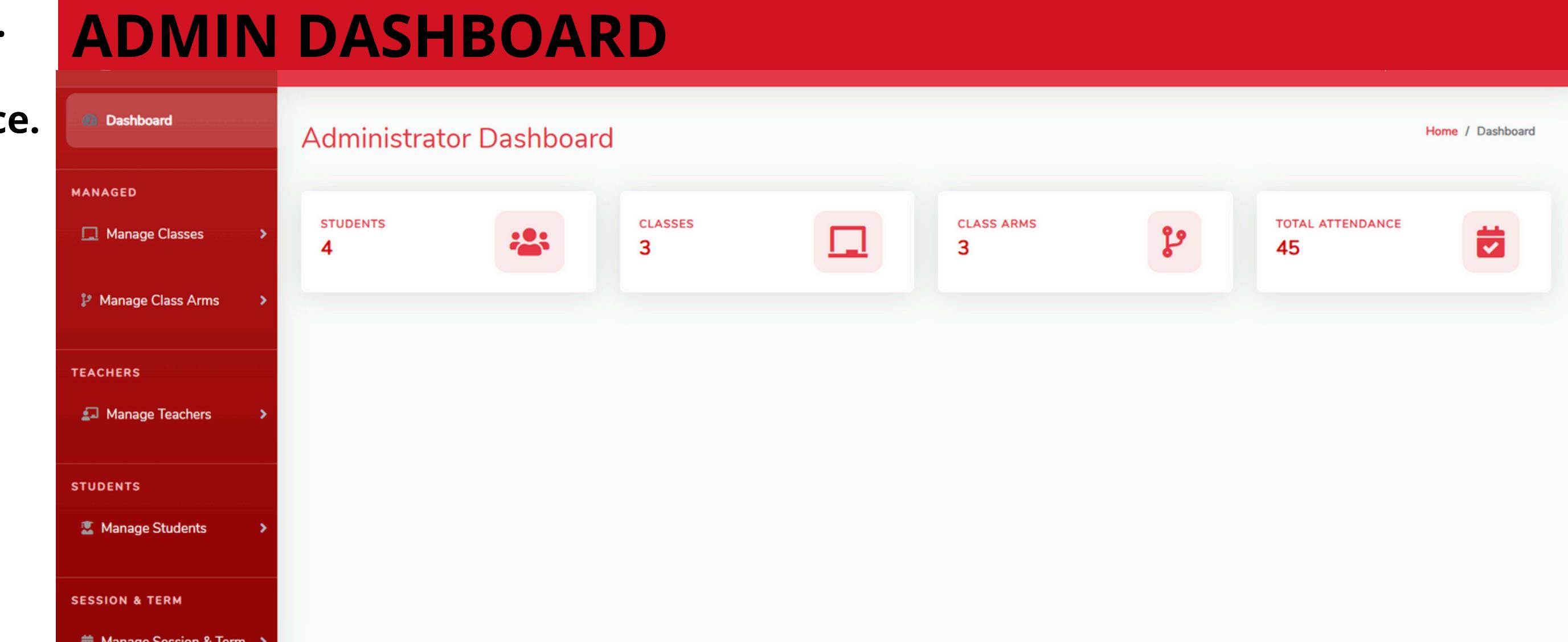
STUDENTS 2

CLASSES 3

CLASS ARMS 3

TOTAL STUDENT ATTENDANCE 23

ADMIN DASHBOARD



The Admin Dashboard is titled "Administrator Dashboard". It features a sidebar with "Dashboard", "MANAGED" (Manage Classes, Manage Class Arms), "TEACHERS" (Manage Teachers), "STUDENTS" (Manage Students), and "SESSION & TERM" (Manage Session & Term). The main area displays four key metrics: 4 STUDENTS (represented by a people icon), 3 CLASSES (represented by a laptop icon), 3 CLASS ARMS (represented by a gear icon), and 45 TOTAL ATTENDANCE (represented by a calendar icon).

Administrator Dashboard

Home / Dashboard

Dashboard

MANAGED

Manage Classes

Manage Class Arms

TEACHERS

Manage Teachers

STUDENTS

Manage Students

SESSION & TERM

STUDENTS 4

CLASSES 3

CLASS ARMS 3

TOTAL ATTENDANCE 45

Suggestions for Future Improvement

01

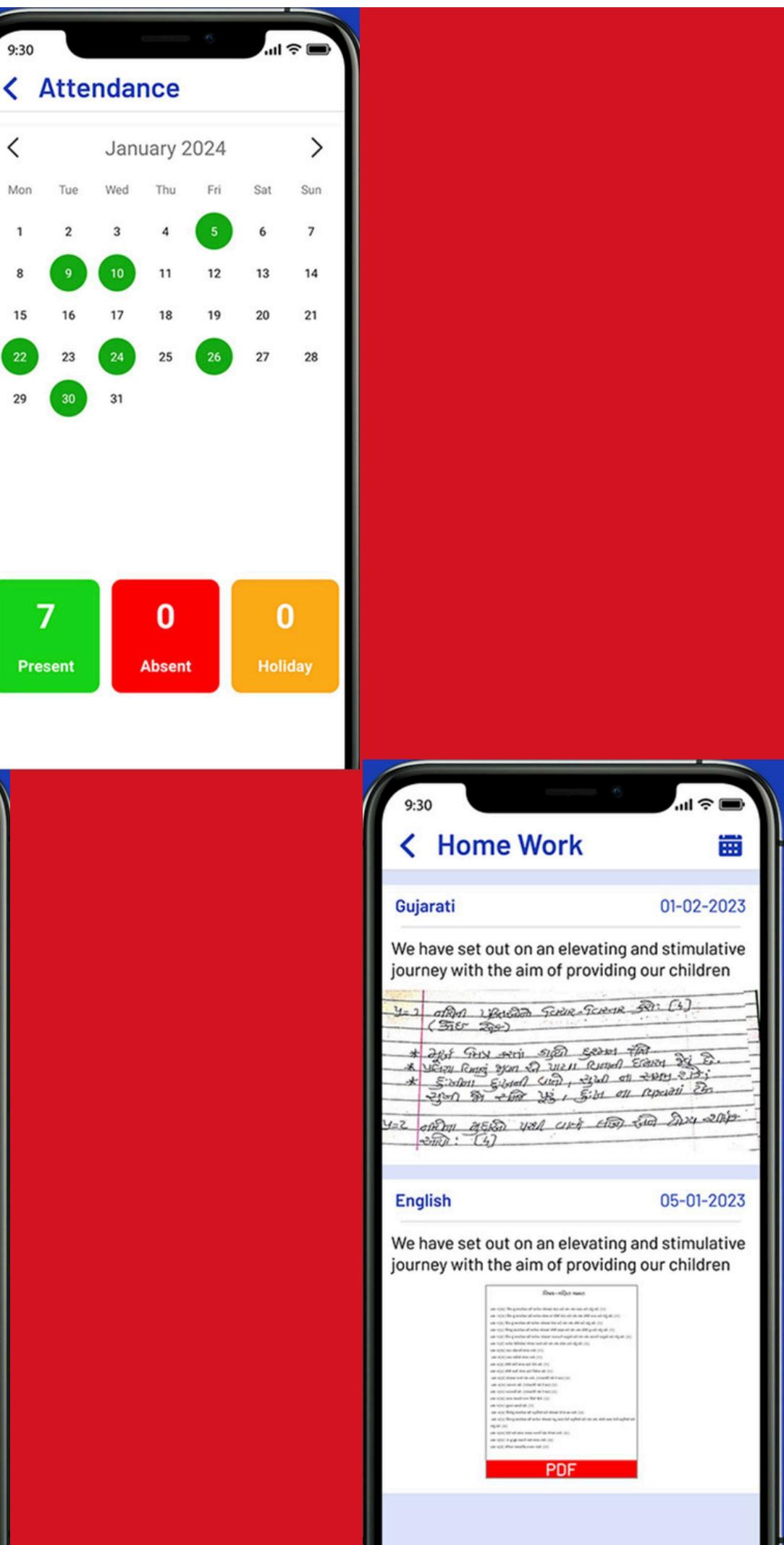
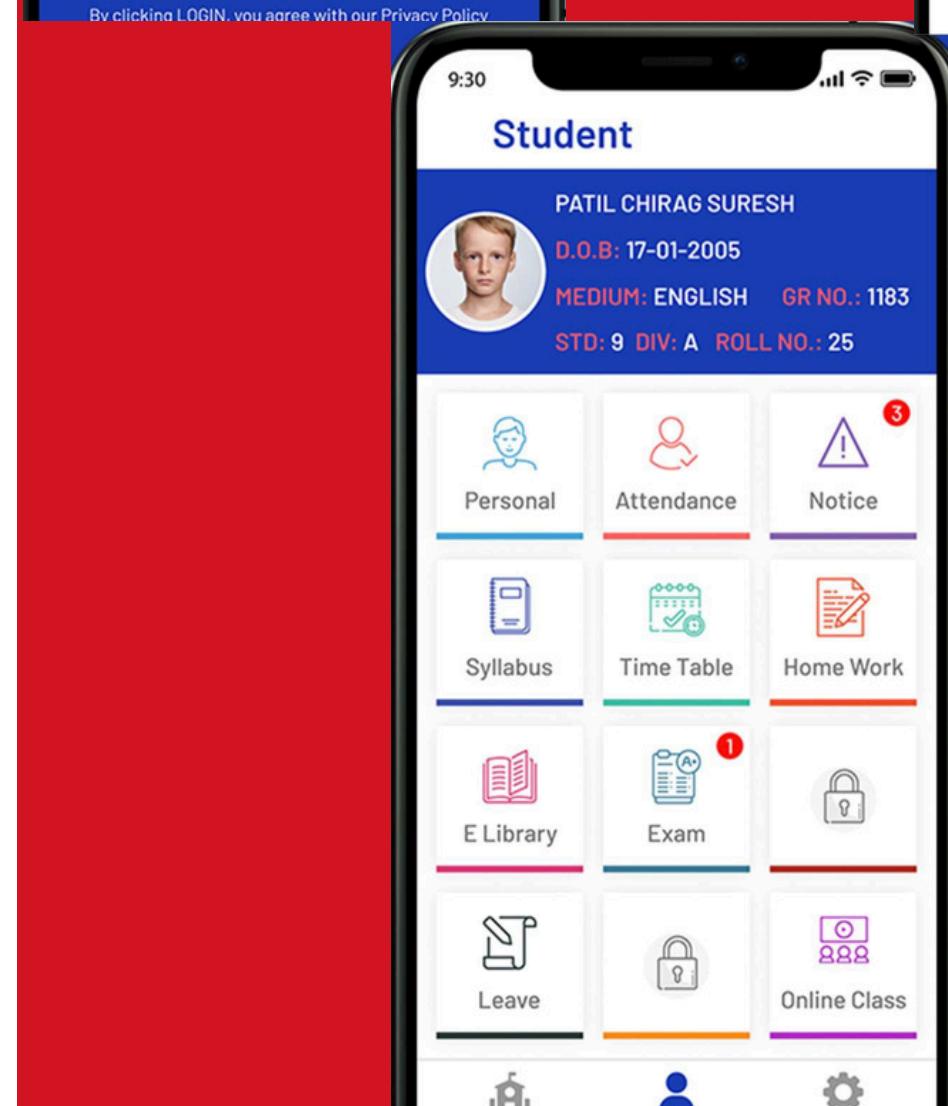
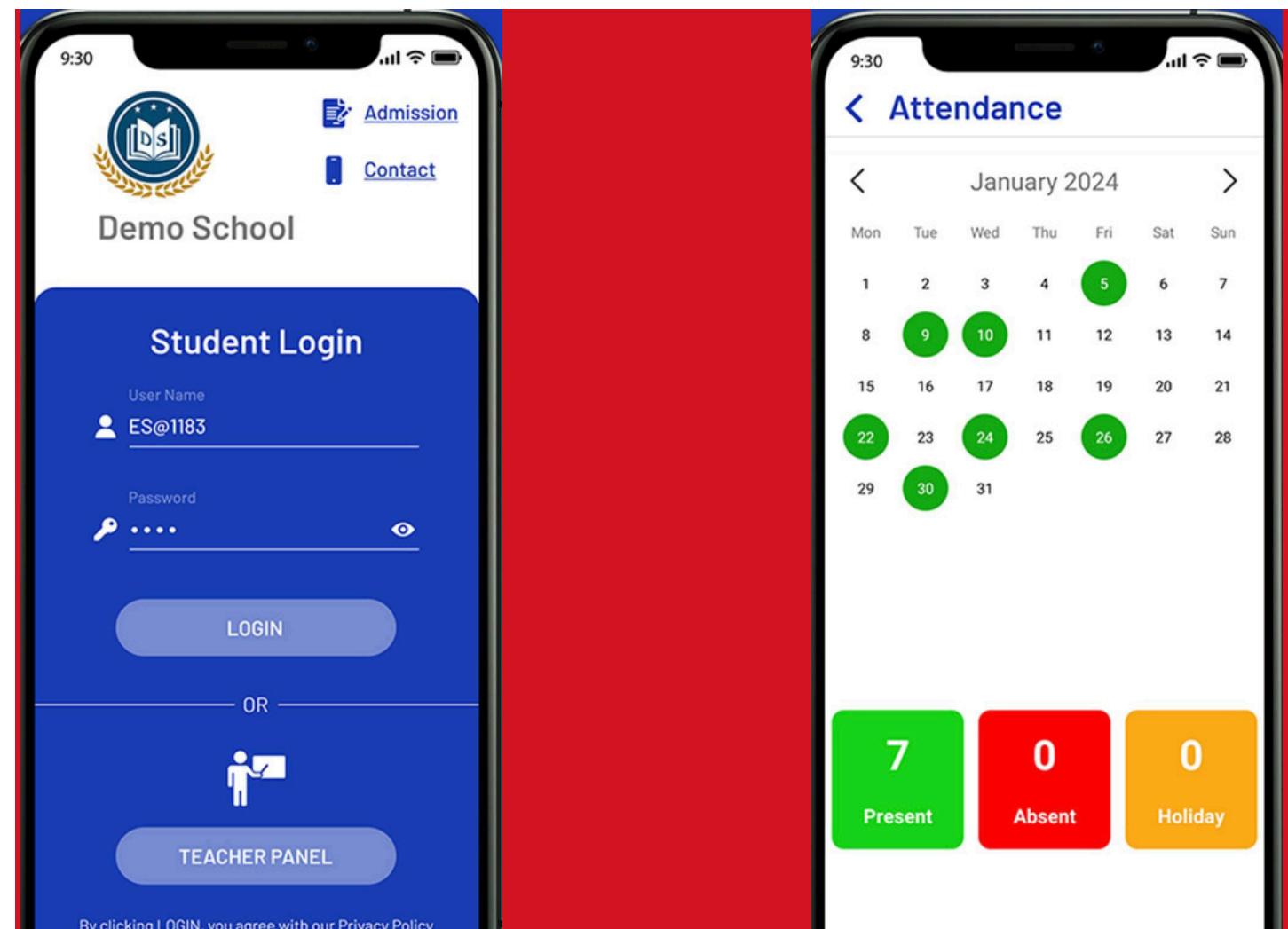
In Future we'll create a role for student

02

Add real-time chat and notification features.

03

we want to create on mobile app for Android/ios.



IT STEP

Thank You