



Project summary on
Teacher's Dashboard

Empowering educators for seamless classroom management and efficiency.

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1. Introduction

"Teacher's Dashboard", a comprehensive platform designed to streamline the daily tasks of educators.

This innovative software aims to simplify essential activities such as managing class attendance, organizing class schedules, accessing bus schedules for institutions, and maintaining contact information. This solution empowers educators to focus more on teaching and less on administrative tasks.

2. Goals

The ultimate goals of this software are-

- Efficient Class Attendance Management.
- Streamlined Class Schedule Organization.
- Seamless Access to Bus Schedules.
- Easy Maintenance of Contact Information.
- Teachers receive instant alerts for prompt action.

3. Stakeholders

- **Teachers:** Empowering educators with efficient tools, like class attendance to streamline daily tasks and enhance classroom management.
- **Students:** Improving learning experiences through organized schedules and easy access to essential information.
- **Educational Institution Authority:** Facilitating administrative oversight and optimizing task and resource allocation for improved efficiency.
- **Parents/Guardians:** Providing peace of mind with accessible information and fostering stronger communication between home and school.

4. Scenario/ Activity

The software has 3 main activities:

- **Attendance**
- **Reminder**
- **Information**

Attendance has 4 activities:

1. Create class
2. Add students
3. Take attendance
4. View reports

Reminder has 2 activities:

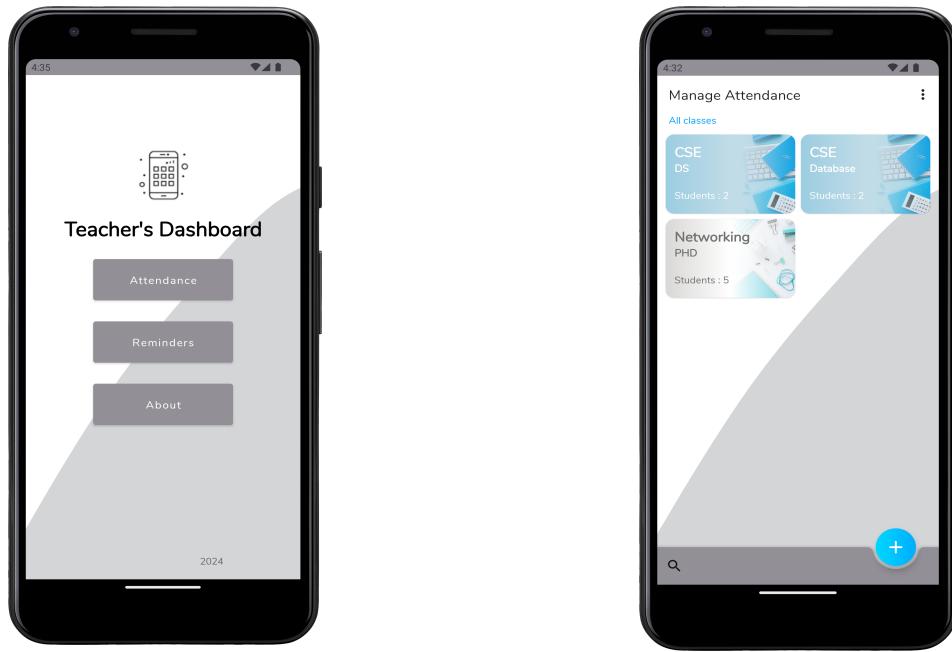
1. Create Reminder
2. View reminder

Information has 3 activities:

1. About bus and location
2. About institution and department
3. About the developers

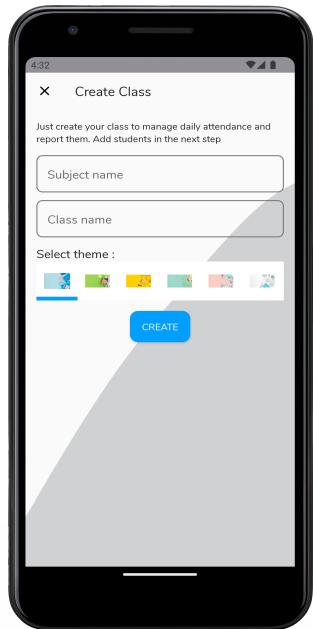
5. User Interface (UI)

Attendance

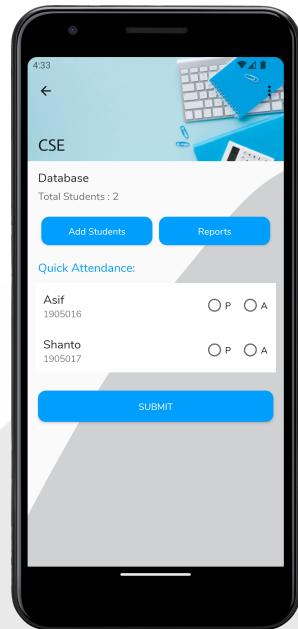


Homepage

Manage attendance



Create class dialogue



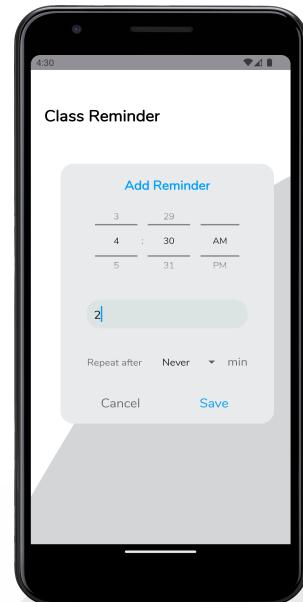
Taking Attendance

5. User Interface (UI)

Reminder

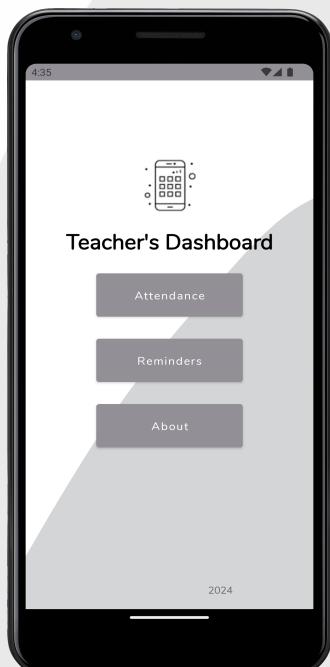


Add reminder



Set reminder schedule

About Section



6. Functionalities

- 1. Attendance:** Taking class attendance of added students in a single page and one click. Later, attendance report will be generated. But at first, the class should be created and one or more students need to be added to claim this feature.
- 2. Reminder:** Reminder can be added by using timer. It is time sensitive and required notification access of your smartphone to push notifications in time.
- 3. About/ Information:** Emergency contacts and information of the regarding institution will be provided for quick quest and need. The Bus schedule is helpful for tracking real time bus locations. *About the developer* section is also very important for feature updates request or bug fixes.

7. Updates

Currently running on version 1.1. New updates comparing to v1.0:

1. Working reminders feature
2. More information on *About the developer*.

8. Used tools

These tools and technologies are used to create this software:



Android Studio IDE



Java



MongoDB Realm Database



Git



Github

9. Further developments

1. Syncing bus GPS with the app.
2. Option to edit selective attendance.
3. Administrative access.
4. Securing info with account system.

10. Conclusion

By actively engaging with stakeholders and incorporating their feedback, we are confident that "Teacher's Dashboard" will not only meet but exceed expectations, paving the way for a brighter future in educational management.