MOBILE APPLICATION DEVELOPMENT
MINI PROJECT SYNOPSIS -20CSE42

StudEasy

UNDER THE GUIDANCE OF:

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Department of Computer Science and Engineering
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PROBLEM STATEMENT:

The problem with being a student is that it can be challenging to manage academic tasks, extracurricular activities, and personal responsibilities effectively. With a plethora of assignments, exams, deadlines, and social events, it can be challenging to keep track of everything and stay organized. Additionally, students often face difficulty in accessing critical academic information, such as course schedules, grades, and assignment submissions, which can lead to confusion and missed deadlines.

Therefore, there is a need for a comprehensive companion app for students that can help them manage their academic tasks, track progress, and provide access to resources and support services. The app should also help students connect with their peers and engage in extracurricular activities to enhance their overall college experience.

OBJECTIVES:

The main objective of this project is to provide an easy-to-use android app for the students to manage their daily college related tasks. It aims at clubbing the various useful features that a student needs to effectively study into, which otherwise requires downloading of various apps, into a single student friendly app. The purpose of the project is to build an application program to reduce the manual work and increasing student productivity for managing courses, notes and various related tasks.

TECHNICAL DETAILS:

Project will be developed using the following technologies

- **Software Configuration**

o Operating System: Windows 10
o IDE: Android studio Electric Eel
o Front End: XML
o Back End: Java/Kotlin , Firebase

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- Database: Firebase
- Version Control: Git (GitHub)

- **Hardware Configuration**

- RAM: 4GB
- Hard Disk: MINIMUM 200 GB

  Requirements for the mobile to run the app
- RAM: 2GB+
- Android v8+
- Touch screen interface
- Internet connectivity

DESCRIPTION:

The proposed system is the all-in-one solution of the various multiple systems. The information through application can be accessed by the students anytime, anywhere in the world. It is more accessible, flexible, and convenient in their point of time as all the required task can be accessed directly from one app. Our app provides the students with the facility to login or signup in the app on which the students registered for the corresponding courses can access the course contents. The app helps students to keep track of their attendance, view their timetable, find their faculty details, view the important announcements made and send their suggestions and complaints. Students can access the emergency contacts and view calendar of events. Students can then exit or logout from the app.

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FUNCTIONALITIES:

- **Dashboard**: Users can login by providing necessary details and start using the app and access their dashboard.
- **Attendance**: The app helps students to keep track of their attendance as it gets updated on a regular basis.
- **Timetable**: This app allows students to view their timetable
- **Faculty Details**: Users can use the app to find their faculty details and their respective details.
- **Announcement and Complaints**: Using this app students can view the important announcements made and send their suggestions and complaints.
- **Contacts**: Students can access the contacts required in emergency situations.
- **Events and Calendar:** Users can view the upcoming events and calendar of events.

CONCLUSION

The app developed, thereby provides an all-in-one solution for the day-to-day college tasks to be done by the students. While there are improvements to be made, interfaces to be improved and interactions to be interfaced, this app provides the base for all such improvements. It is built to be flexible and new features can be easily integrated to it.