



Project Report

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| **AUST BUDDY** |

Team Name:

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Description of the Project:

The "AUST BUDDY" project is a university assistant application for different students. This mobile application is built in Android Studio and is developed in kotlin and the database is managed by Firebase.

This software primarily focuses on maintaining, viewing, saving, and storing the different things of a student to make life easier. As well as some unique features there are also basic features such as user login. After completing a signup form new users can sign in easily. One will be able to register using the university email only and password. It has a facility where a student will be getting different announcements like blood donation requests etc.

They can also find materials links, and teacher’s info, create groups, post quiz schedules in a group, get bus timings, calculate GPA, bookmark websites, post requests to admin for materials and teachers, create a favorite teacher list, and contact the teachers easily.

Overall, the primary goal of this project is to provide a hassle-free semester for users as well as to save time looking for notes and questions here and there. It will be a valuable asset while taking preparation for the final

Implemented Features:

* **Onboarding pages**

When the users will log in for the first time they will get the onboarding pages to get an idea about the app and its features.

* **Sign In and Sign up.**

Users can register an ID in this application. At first, they need to register using their valid institutional mail and they need to verify their email while trying to log in for the first time, and later they need to sign in using those credentials.

* **Useful Webviews.**

There are several web views on the homepage which a student might need in their regular life as it is sometimes time-consuming to go to that they can use those features from the app inside the application the added webviews are

1. IUMS – Students can do their educational-related work from here

2. Calender- academic calender for every semester can be found here

3. Notification – Students can check the latest notification of AUST.

* **GPA calculator.**

Student can calculate their GPA by only entering their result on individual courses. Also, they can choose their semester which will reset the interface and bring their semester courses credits

* **Resource links.**

Student can find their desired course resources from here they can find the links and open them on google drive and search through the courses and also share them with others. The drive contains lecture videos, notes, books, and previous semester questions.

* **Request for materials**

Students can request materials from the admins. The admin then can update the materials via google drive or add a new course via firebase.

* **Check bus schedule**

Students can check the times for their buses and schedules

* **Invite friends**

You can invite your friend to use this app via email. Multiple people can be invited at the same time by giving their emails separated by a comma

* **List quizzes**

Students can schedule their quiz and quiz syllabus here. Once done they can also delete that quiz. The data are stored in the real-time database. A pop-up window will arise and take the inputs and save them into the real-time database

* **About Developers**

Students can contact the developers and share any kind of suggestions they have and see their GitHub profile.

* **Other**

They can log out from their account from a profile page. Profile pages UI has been designed.

* **Database**

Firebase's real-time database has been used to store data and an authentication feature is used to authenticate users. Also firebases email sending feature has been used to verify emails.

All the references

Developing Language and Framework:

Language: Kotlin

Database: Firebase Realtime Database

GitHub Link (If any):

<https://github.com/piru72/Uni_buddy>