EDUGALAXY-A College App for Students

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*Abstract -*EduGalaxy is a college app. It aims to provide a platform where student's every college related need is present at one place. Thus saving a lot of time plus energy. EduGalaxy encapsulates almost everything from attendance to notes and also club information. Technology has tremendously changed our daily routine as well as living style. So, students of colleges or universities require application that helps them to get all types of information related to examination, lecture notes, events. We designed an application to fulfil the requirement of the students and parents with reference to features provided by other apps and latest technology like java, android development, etc. to create the App.

Keywords - Android App Development, College App, Java, Student App.

I.INTRODUCTION

The EduGalaxy app allows the app users to receive messages and updates from the college using push notification.

Besides messaging, it provides real-time access to college calendar, time table, daily homework, notices and assignments. It has profile of all the clubs, Attendance feature, notes, books, YouTube playlists and a platform where students can ask doubts to each other.

It is said that Native App Development is where a developer creates an application by targeting a particular platform like Android or iOS. It provides far better and superior performance than any other software of app development,[1]. The java code is first assembled with the data related to application and resource files. All these is then bundled by the app tool into an android package. This package is an archived file with suffix of .apk. This file works as a lorry or installer for issuing the application which will be installed on mobile devices with supported O.S. This file can be considered to be one application which can be taken by user. Each process has its own JVM (Java virtual machine),[2]. The first layer of the android architecture is an application layer, in which layer your written application which is to be installed are available on this layer. Android libraries are available on top of Linux kernel where there is a set of libraries which are a useful option for storage and sharing of application data, the libraries to play and record and video, SSL libraries responsible for internet security and much more,[3].

Layout design and simulation prototyping was done using FIGMA.
We used Android Studio for App development. We have also created an app dedicated for attendance specially curated for teachers.

II.METHODOLOGY / EXPERIMENTAL METHOD

1. Our App focuses on all important features required in a college app.
2. EduGalaxy provides self learning tools to all the students.
3. We used Android Studio to develop our app.
4. We created a rough layout of the App.
5. The prerequisites are Languages like Java, Kotlin, Python and some more.
6. We developed our app with reference to latest app in this field.
7. After development we tested it's functionalities and features.
8. We will be addressing the problems if they arise.

III. RESULTS AND DISCUSSIONS

EduGalaxy is beneficial for college students as well as teachers. Student will be able to post doubts and receive solutions from their peers. It'll be a lot easier to track the club events scheduled.
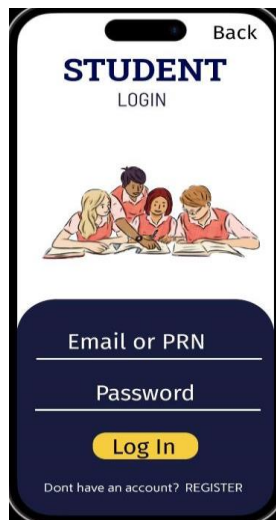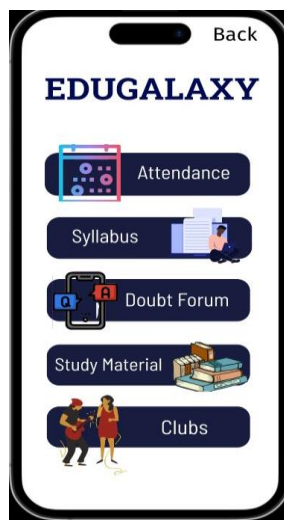
Figure 1.Login Page

Figure 2.Home Page

In 'Home Page'(Figure 2) we have attendance, doubt forum, study material, syllabus and club information i.e., all basic requirements for a college app.

EduGalaxy has video links to various topics recommended by the teachers.
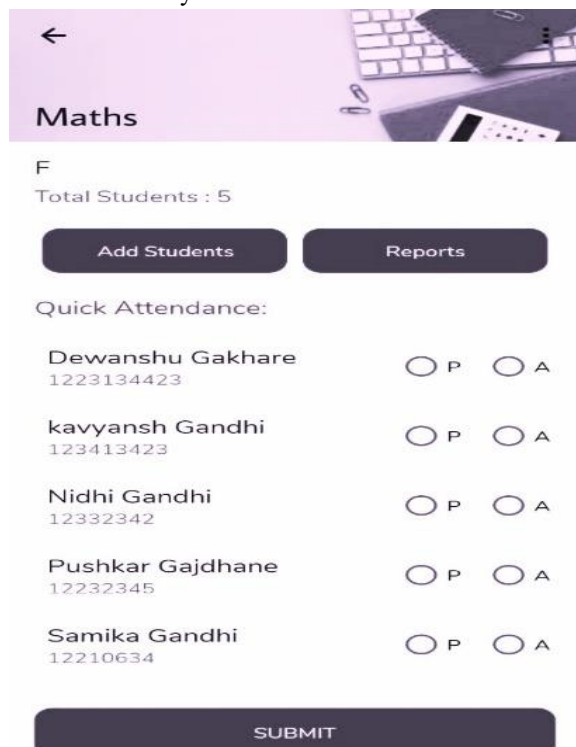

Figure 3. Special Attendance Page For Teacher's use.

Instead of taking attendance on paper which is time consuming, teachers can use our attendance app where they can save time and can also get report of records if required. Figure 3 shows the structure of a class.

Figure 4. Time Table Of The Day

Figure 4 is the time table platform of EduGalaxy. Theory lectures and labs follow different pattern as later are conducted batch wise. The platform also includes faculty name and room numbers.

'Clubs' section includes all the information of different clubs of college.

EduGalaxy is helpful for present students and will be a good facility for the future students as well.

IV. CONCLUSION

Thus, EduGalaxy provides a platform for students to be connected to their college, ask doubts to colleagues, explore events of various clubs and it makes teacher's job of taking attendance much easier.

V. ACKNOWLEDGMENT

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