Android Application for Online Exam Conduction

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Abstract— This project will help the students choose a college with all the facilities. It will not take much time to search for information about a college using this app. To improve the student engagement factor, colleges and universities need to ensure that information influencing student decisions is readily available at the right place and at the right time, starting with the examination process. Having a mobile app can help you engage your students in ways you haven't even thought of before. The app can take exams online and can be easily handled by any teacher or student. Though a student portal serves as a good means of communication, it's the accessibility factor that makes a mobile app far more effective. According to the National Centre for Educational Statistics, there are more than 26,000 colleges and universities all over the world, and around 4,000 in the US alone. For students who aspire to pursue higher education, there seem to be plenty of colleges and universities to choose from. Because of the competitive nature of the higher education sector, the student engagement factor' has more recently become a significant aspect for students choosing a college or a university, along with facilities, curriculum, and job opportunities. There are so many reasons why students look for institutions to have a college mobile app.

Keywords— College app, Android Studio, SCET mobile application

I. INTRODUCTION

With the help of a mobile app, you can automate your entire 'student inquiry' process, saving a lot of time and effort. They can see all the information about college in one app related to events, sports, academic information, and many more. [9] It's just not that 90% of the student population own a Smartphone, but also spend 86% of their time each day browsing through mobile apps. Students and their mobile phones are inseparable. [8] Because of this, having your college mobile app with your branding is the best way for students to search for a college. With these technologies, like

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Adobe XD, coding languages like XML and JAVA, for database connectivity we use Firebase, and for IDE we use Android Studio. [11] By using these technologies, we created an app. It shows the latest information about the college, events, and some important links. Students can also easily handle it. Teachers can build their exams on any subject in these apps and give those exams to students directly to solve. [1]The app will get the test and store the results in an app in the form of an excel sheet or pdf with marks for a particular student on that exam. The main objective is to provide facilities for college through this app which takes less time to execute and process. It improves the classroom experience. [10] It shows the reader or student who you are and why they would want you on their college campus. [11] The media tends to focus heavily on how technology is improving their campus experience and transforming the teaching-learning process.

Following are the benefits of the app for test:

1. Teachers can create their test by using pdf, image, or by writing manually.
2. Students can access the app directly for getting tests online and can get notifications for the test so that they wouldn't miss the test.
3. This Android app is available 24*7.
4. Better access to learning resources.
5. It reduces the communication gap between students and colleges.[3]

In this app, teachers can first register themselves and then log in with their username and password provided by the app in their email account. [2] On the teacher's dashboard, if a student is not eligible for the test, then they restrict that particular student from taking the test. Teachers can specify the time duration for the test. The best part of the application is that the teachers can create paper anytime irrespective of date and time. The teacher can schedule the test according to the timetable. After the particular time, the test will automatically get submitted.

Students can also adopt the same procedure for log in as the teacher. [3] After login students get the unique registration number from college to take the exam. If the exam is scheduled then it will be displayed on the dashboard with the date and time.

II. NEED OF PROJECT

The students today are fully equipped with an enhanced understanding of their subject. [5] To improve productivity, educational apps are interactive and useful to attract students for studies. Educational institutions are not open or available

all the time. But unlike colleges and universities, educational apps are available all the time. You do not have to worry about the schedules. You can use your desired mobile app anytime you want to know and get information about the test college. Students will now not be worried about missing an exam. It can be easily notified by the app to the students about the particular exams organized by the college. It reduces the time, energy, resources of teachers to check the papers and make results manually.
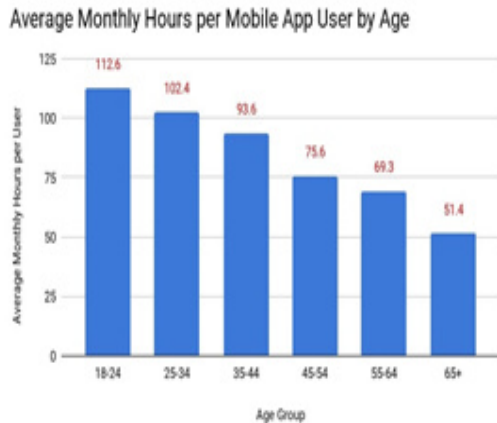

Figure 1: Average monthly hours per mobile app user by age

III. LITERATURE REVIEW

In recent years, the advances in mobile technology have brought an exorbitant change in the daily lifestyle of individuals. [7] Mobile devices are rampant in all aspects of human life. Mobile apps are a large and continuously growing market and are served by an increasing number of mobile app developers, publishers, and providers. Android has been creating waves in the coming times with a high technical interface in the mobile world.

Signal quality is the factor that affects the mobile app's work. [6] The processor is the heart of a mobile device which must be quick enough to support the processing speed.

IV. TECHNOLOGY USED

App technologies like java and XML are used for coding, Android Studio for IDE, WordPress, and Abode XD for design and Firebase for database connectivity.
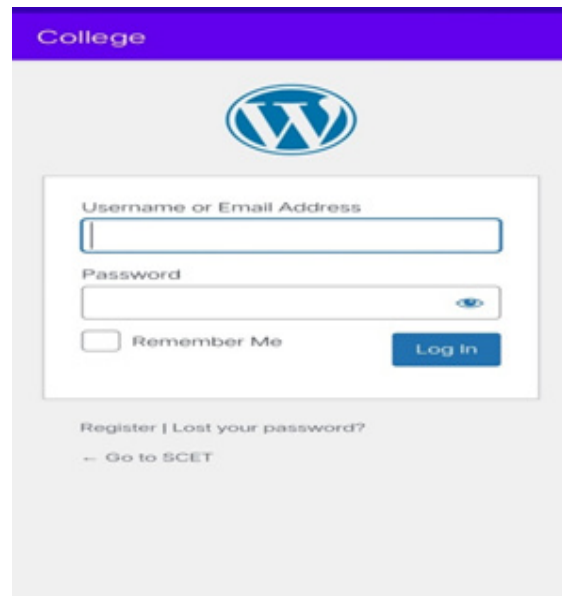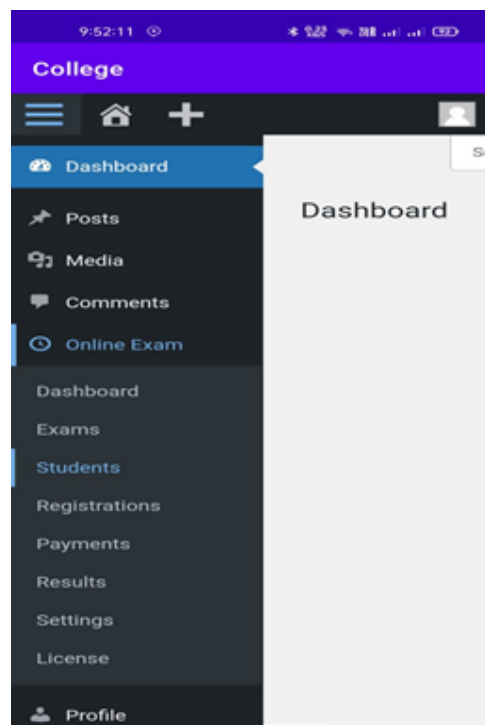

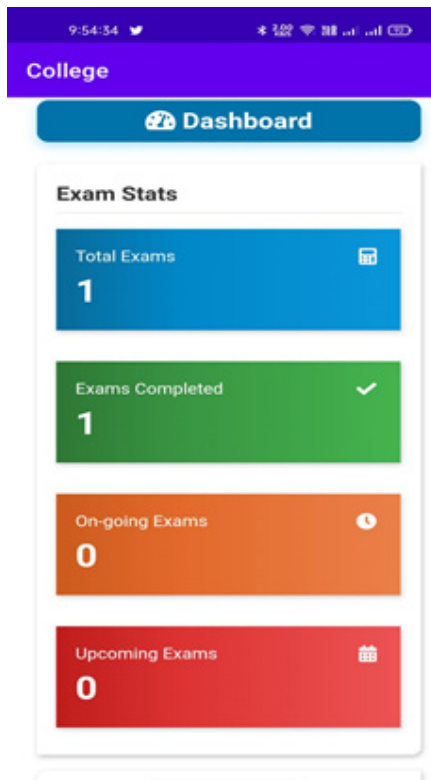Figure 2: Login and register

Figure 3: Teacher Dashboard
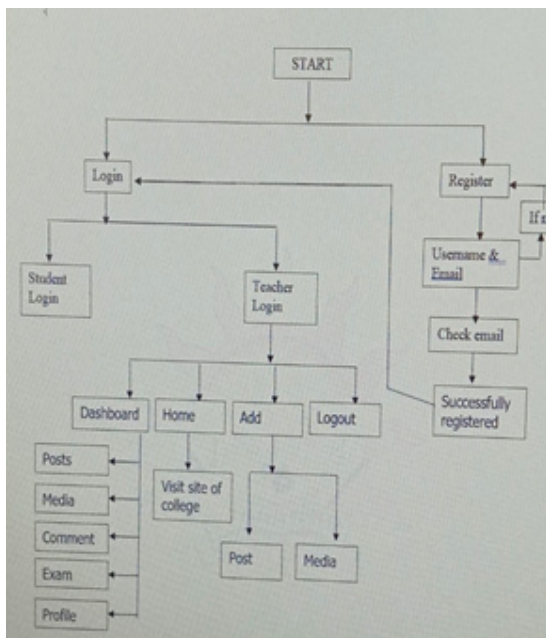
Figure 4: Exam Status

Figure 5: Data Flow Diagram of Application

V. CONCLUSION

The era of mobile technology opened the windows to the Android app. The websites are vanishing and Smartphone's are emerging. [8] It is time to change from conventional websites to apps, which have become part of our daily routine. We are introducing 'SCET.apk', the android application software which could be a miniature of our college website. It works not only as a website, but can also work as small college management software. By using this app, teachers can easily take the exam by creating questions manually in the app itself and students get that paper in the app and solve it.

VI. FUTURE SCOPE

With the increase in the market share of Android users in India, companies are now getting into android application development. [12] It is hard to imagine any single person in this world without using a mobile phone in this 21st century. It's no secret that mobile applications are an integral part of our lives now. [13] The main objective of this application is to provide tests online to students by the teacher with ease to handle.

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