

EDUCATIONAL ANDROID

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Abstract— In recent years the Android Technology with webservice has brought many drastic changes in the mobile application development field. This application provides a generalized solution to monitor the various works that are carried out by a College for managing it "EDU-DROID" provides a simple interface for maintenance of student information. EDU-DROID deals with the various academic notifications such as extra curricular activities, assignment notification, video lectures, attendance. It has two applications one for student and another for faculty. It also facilitate us explore all the activities happening in the college. The concept of developing EDU-DROID app is to ensure that student can access information at any time, at any location. It helps the students and lecturers to communicate which is of interest and relevant to students or lecturer through a smart phone.

Keywords— Edu-Droid, Webservices, Academic notification, communication, smart Phone.

I INTRODUCTION

In the recent era of globalization technology has no advancement has increased dramatically in every stream including mainstream education. This advanced have given a rise to the new term called Edu-droid. In the current environment the basic need of a student is the interaction with his teachers. Thus Edu-droid portal provides you to bridge the gap between students and teachers. there will be two apps one for the student and one for the teacher. That is one will be operated by the teacher and another by the student. Teacher will have facilities to upload the video, restrict the access to the same and further provides the facility to upload the notes. Today's technology-rich environment brings new challenges that inspire innovation and mark true leadership. Our innovative technology solutions are framed by an appreciation for the unique responsibilities of an educator. We understand the challenges and test the opportunities that technology puts within our reach - to communicate, collaborate and create.

Edu-Droid offers a choice of flexible, interoperable, and customizable technology solutions that can support the unique educational aims of a community. Our solutions provide colleges with the technology infrastructure required to power performance for teachers and students. EDUDROID is an android application that can benefits to the STUDENT and the TEACHER Where teacher will give the homework assignments and notices through the teacher app and the students will receive the homework assignments etc. Provided by teachers in the form of notifications on their mobile phone. Utilizing an ANDROID, it is a working stage for cell phones, for

example, advanced mobile phones and tablet PCs [1] . The Android stage is a product stack for portable gadgets including a working framework, center product and key

Applications .Designers can make applications for the stage utilizing the android SDK [2]. This paper gives a complete engineering review of the EDUFROID APP which is being developed to reduce the ambiguity of teacher student interaction. EDUDROID app is being developed by using eclipse environment. Android SDK gives a rich arrangement of devices, including debugger, libraries, handset emulator, documentation, test code, and instructional exercises. Android applications can be effectively created utilizing Eclipse (Android's official improvement stage) with the assistance of a module called Android Development Tools (ADT)[4].

In the recent era of globalization, mechanical progression has expanded significantly in every sphere including mainstream education. Profound investments in innovation in this decade have

II LITERATURE SURVEY

The entrance business is quite a long while old, and sellers come into and out of the business sector consistently. Since run of the mill permitting and advancement expenses are a few hundred thousand dollars or more, merchant determination is high hazard. (Not with standing somewhere in the range of eight noteworthy merchants, an advanced education consortium is presently building up an open system called the JA-SIG entry.)

The present unpredictability of the entryway market and the absence of settled upon measures

contends for establishments to hold up to bounce into a gateway unless there is an unmistakable need or advantage that requires one. Building up a grounds entryway is a key innovation choice that will affect the whole grounds group and each other key innovation program, for example, CMS. The choice on an entryway system requires cautious examination of long haul and transient needs. The present system is the manual one.[3].With the progression of innovation, research material is being diminished significantly in each and every field. With the presentation of this application, a foundation can work productively without the utilization of a medium like paper. Consequently, this will end up being an exceptionally helpful application for any foundation .Likewise, as more understudies and educators get some answers concerning the utilization of this application, different engineers will be urged to make this Android application in other dialects, which will enhance training in various ways.[7]

Building up a grounds entryway is a key vital innovation choice that will affect the whole grounds group and each other vital innovation program, for example, CMS. The choice on a gateway procedure requires cautious examination of long haul and fleeting needs.For the purpose of push notification EDUDROID makes use of the **GCM (GOOGLE CLOUD MESSAGING)**. GCM is an administration which permits designers to send push messages to Android gadgets from the server. GCM handles the lining of the messages and in addition conveying those messages to the objective applications on the gadgets. GCM is a free administration by Google, and it has no portions. It is the default push informing answer for the Android stage.[8]

III LIMITATIONS OF EXISTING SYSTEM

The advancement of the new framework contains the taking after exercises, which attempt to computerize the whole process keeping in perspective of the database coordination approach:

- A. There is no danger of information botch at any level while the venture advancement is under process.
- B. User kind disposition is given in the application different controls.
- C. It gives abnormal state of security utilizing distinctive conventions like HTTP,SOAP and so forth

IV PROBLEM DEFINITION

Here we are designing and implementing two applications:Teacher and Student.we require administrator to manage notifications and to upload the videos to the youtube channels that we have created.

This application will provide an efficient communication between Teachers and students.This

will reduce the day-to-day workload of the classroom activities.

Every students and teachers will be provided with the respective ID's and Password.This will allow them to login the first page of the application.

V PROPOSED WORK

This project consist of a following modules:

- **Video Tutorials:**

Video instructional exercises are the recorded class addresses. In which workforce can alter the recordings and transfer on this application. Workforce can keep up the attendance by head numbering through this recordings.These lectures will be uploaded by the ADMIN on channel of YouTube .On the student app directly the channel of YouTube will be shown where STUDENT can sees the videos .

- **College Assignments:**

This choice in instructor application gives the best approach to present the task to understudies educator will send the assignments through instructor application and it will be conveyed at the understudy's application through notice. This option in teacher app provides the way to submit the assignment to students teacher will send the assignments through teacher app and it will be delivered at the student's app through notification.

- **E-Notices:**

This module is given to instructors with the goal that they can transfer any round or any notification for understudies through educators application they can likewise transfer feline inquiry through this .All the things which are given through notification can be transferred through this module. This facility is provided to teachers so that they can upload any circular or any notice for students through teachers app they can also upload cat question through this .All the things which are given through notice can be uploaded through this module.

- **E-Leave Notification:**

In the event that any understudy needs to take leave for a few days, then the understudies can be made application and specifically it can be sent to the instructors by any android versatile.

If any student wants to take leave for some days, then the students can be made application and directly it can be sent to the teachers by any android mobile

• **Attendance:**

The teacher app of Edu-droid allows the teacher to take the attendance the only thing the teacher has to do is just enter the Roll NO of the students which are absent on a given day.

VIDATA FLOW DIAGRAM

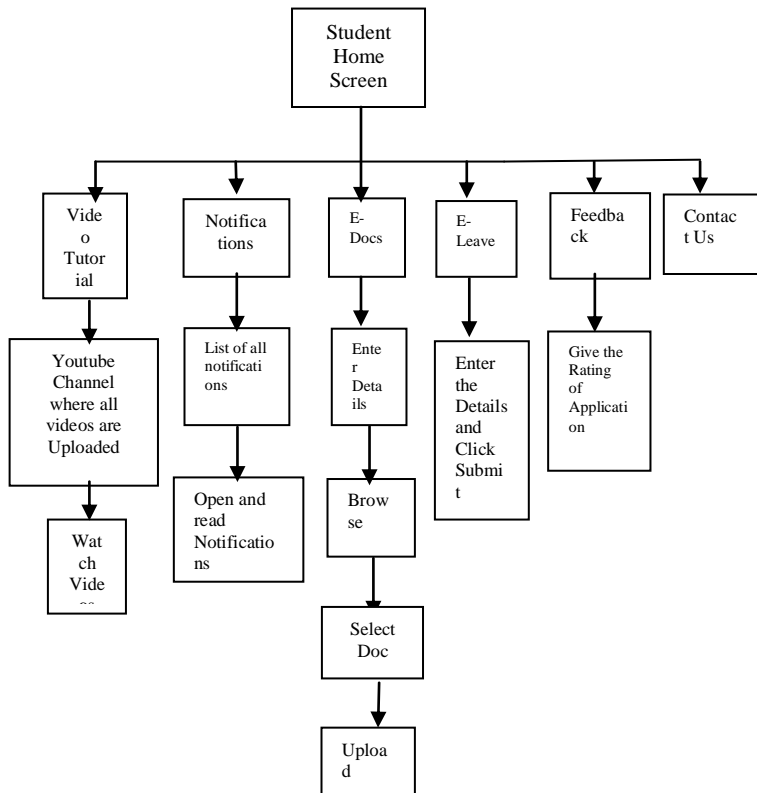


figure1:Data flow diagram for student application

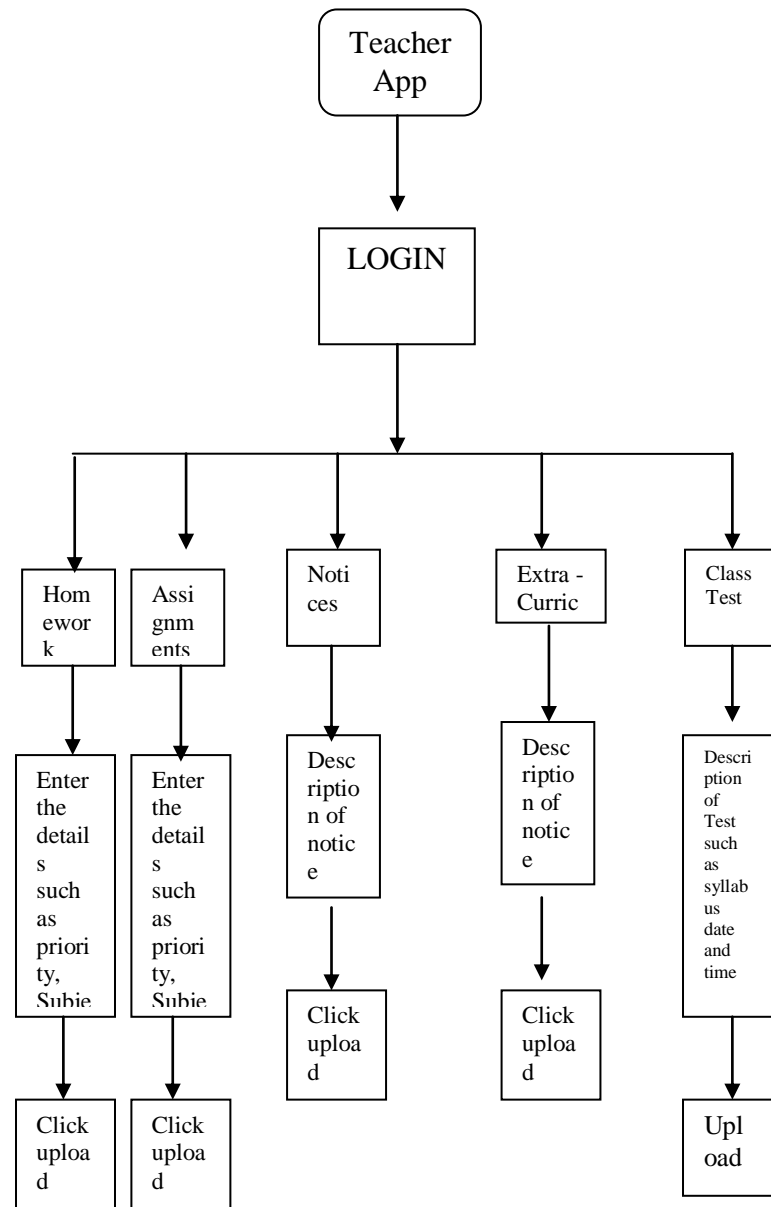
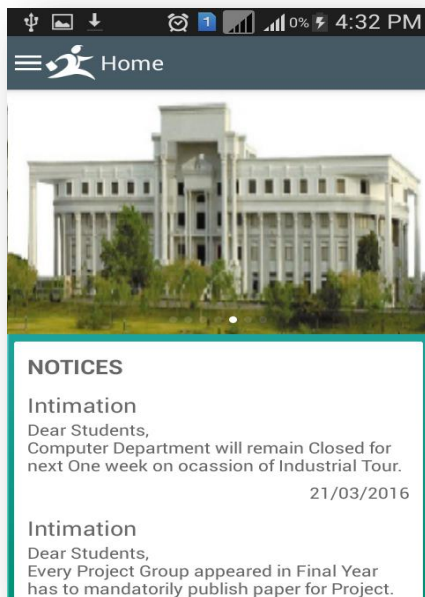
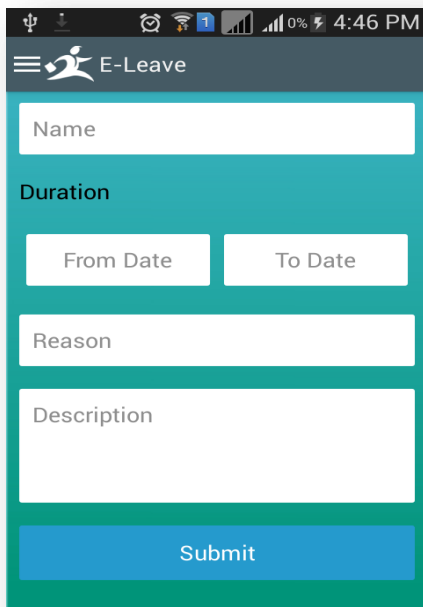


figure2:Data flow diagram for teacher application

VII SNAPSHOTS



1.snapshot of home page of student app



2.snapshot of E-Leave page of student app

CONCLUSIONS

Thus our project focuses on the event of a mobile application on tutorial activities takes place in department this application is for robot user if the lecturer or the professor isn't able to take lectures for a protracted length, then the lecturer will create a video of the lecture from their workplace {and will and may and might} transfer it on the youtube channel and from that link student can read or transfer the video. This app helps in bridging the gap for a far better learning expertise. It reduces the person power needed. It provides accurate info forever. All the students will get needed info at once. It conjointly helps the scholars regarding the events on nominal date and time through notice portal. They can use the appliance to examine their attending in every subject and track their overall attending of the term.

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