Android Teaching Assistant

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Abstract—**In today's world, there is a growing need of Android operating system for mobile application. As we know everyone uses mobile phones for their regular usage and android is a mobile based operating system .Using android, we can develop various applications for mobiles such as what's app, route tracking, etc. As we know, software is available in java called Student Management System or college forum for college purpose only, that means it is only for college use as management basis. But this is not available in android as application. Thought that this application will design in android, it becomes an app for mobile.**

By using this application we will maintain all the college activity as we can say all the departmental activity manually and systematically. This application is like a online discussion about the study, the current status about student in the college or to improve own personality. From this idea we are developing a project Android Teaching Assistant which is an android app for mobile and specially design for college usage.

In this project student, teachers and parents are involved and they can communicate with each other. Teacher can upload notes, gives notification about assignment, exams, various events, campus, and can give information to students. Teacher can also give notification to parents about student's performance, students exams, parents meeting, etc. Students can also download these notifications and can specify their views. Parents can also specify their views. There is also one chat group for each person. Trough chat group everyone can communicate with each other.

I. INTRODUCTION

Android teaching assistant is an application that enables participants to post messages and to reply to others' messages asynchronously. Unlike the real-time (synchronous) discussions of chat rooms and instant messaging the online discussion typically lasts longer and gives students time to think about what they are going to contribute.

As the use of computer technology in education expands, participants, administrators and observers continually wonder what is effective and what a distraction is. Unfortunately, many applications of technology in the classroom serve only to dilute the learning experience as students misuse resources or engage in unproductive diversions.

As a learning aid, discussion forums, on the other hand, have shown to stimulate critical thinking, improve communication skills, foster a sense of communicate among student and encourage collaborative problem solving. To successfully incorporate discussion forums as a learning tool, teachers should be knowledgeable in their administration and committed to the necessary level of engagement.

Once acclimated, when students are able to combine and coordinate lessons from the classroom and the discussion forum, a deeper, broader understanding of the subject matter will be the result. Once acclimated, when students are able to combine and coordinate lessons from the classroom and the discussion forum, a deeper, broader understanding of the subject matter will be the result.

Further, once students are comfortable in the new forum environment, instructors will find themselves in more passive roles as students take greater interest and assume more responsibility for the discourse.

II. MODULE

A. Student Module

In our first module i.e. Student Module the student can first register their name to use this application and then login. In this registration and login process we are giving one security benefit if one student login one time then he/she will not register their name second time or if they will do this thing second time or if they register their name second time the application/system will not accept their registration and one alert box i.e."This candidate already has been registered". After student has been registered and login the student can proceed next in which we are involving three sub activity i.e.

- Chat Zone:

We are already mentioned that this is our online application in which student can discuss their problem their queries online to the student or to the teachers. So in chat zone students are enables to post messages to other student and to reply to others messages frequently.

This main purpose to possible this activity or to make this chat zone activity is to improve student communication skill or to make each and every student friendly with their application or to make them free with their classmate. If some students in a class room defiantly wants some other activities like to improve their general knowledge or

technical knowledge or soft skill they can post some question or same articles related to their thing so that student can improve their some variability by this way.

- ## Maintain Profile:

Second sub activity of student module is maintaining profile. By using this application we can maintain the each student profile online and this application also beneficial for TNP department like if any company come into campus & it will want 60% above criteria student & by this activity they can easily select the name of student who is appear in this condition. And if we want to get old profile of some one student for that we are giving email-id privacy. It means when student write correct email-id then and then only they will get old profile data.

- ## Teacher Notes:

In our third sub activity the teacher can provide notes to the student related to subject. In this activity we are giving one security advantage i.e. providing authentication for particular department. This application help the student to get direct notes or direct notification related to subject and events respectively

B. Teacher Module

In this module there is a registration is available, that the teacher can select teacher login and then he/she can sign up his/her account. After sign in they have to enter email address and their own password. Once they login, for them, there are some activities such as follows:

- ## Notes upload

Here in this, teacher can gives notification to students such as notification about college events, exams, assignment questions, paper sets, subject syllabus, and information about campus recruitment. Here in this section teacher can type their own messages according to them.

- ## Attachments

In attachments part of teacher module, teacher can upload images like charts, graphs, diagrams, flowcharts, etc.In that teacher can upload PDF files so that students can download it.

C. Parents Module

In our project we are processing new module that is parent's module. The purpose of module introducing is to interact parent or to aware parents about their child that is what status their children have in the college and teacher also interact with parents by sending notification about attendance or getting result status.

Also parents can get notification related to parents meeting and any other events organized by the college.

III. CONCLUSION

It is a first android project which works on college environment and makes a relationship between students and faculty.

Innovations: We use cloud computing for storage of data.

Main achievement: It is a first app for college purpose in which students, teachers, parents and admin interact together.

IV. REFERNCES

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WEBSITES:

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