

Ishakthi Academic Tracker-Mobile

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ABSTRACT-Ishakthi Academic Tracker-Mobile application can be applicable for the institution databases to view the academics data whenever required. The basic idea of the project is to allow the users to access the contents of a particular student about the details and also refer to the alerts and notifications posted by either the HOD or Principal. The user is the student. The operations include view of Progress Report, History records, Personal details, Attendance, Co-curricular, Extracurricular, Alerts, Notification can be accessible to the user. Alerts specify any sudden news or current status to the users. These alerts can only be posted by the HOD or the Principal or staff to the other users, Students,ts can view the alerts and act accordingly. They cannot post any alerts on the application. Users can do customize search of the details. Notification is the process of submitting a report to a particular student from either the staff or the HOD or the Principal.

KEYWORDS- ANDROID, PROGRESS REPORT, ATTENDANCE, CO-CURRICULAR, EXTRACURRICULAR, ALERTS.

I. INTRODUCTION

Ishakthi Academic Tracker-Mobile aims at developing an android application which enables the parents to view the individual student's personal details, performance of the student in academics, attendance, co-curricular activities, extra-curricular activities. In addition the parents and students get alerts and notification of the students which are posted by staffs, or HOD, or the Principal. This newly proposed Ishakthi Academic Tracker-Mobile get integrated with Watt which is a website that contains overall details of the students. Ishakthi undergo certain modules to perform. One of the modules contains the personal details of the students which include the bio data of the student. Progress report module is to view and compare the individual performance class performance of the student whenever required. Also it contains the previous semester results and current semester periodical and model exams performance of the student. Additionally the user can do customized search of the student's marks which is used for the placements.

Attendance module is to view the individual attendance in different phase and compare with overall class attendance. Co-curricular module provide facility of notification about the events based on co-curriculum for the students. Extracurricular module is to provide the notification of various sports events and other events for the students.

Alerts and Notification module maintains the alert messages based on exam schedule, cultural events, upcoming events, and other programs in common. Also it includes quick alert messages such as unexpected holiday, exam postponed and so on which all are posted only by the staffs, or HOD, or the Principal.

It is used to access the academic details of the student much easier than postal services. By using postal services there is a chance of the post being lost or might not reach the receiver in time, which can be eliminated by using this application. It have been emerged from the existing application in which there was only the current semester marks and the proposed application includes the previous semester marks and also to view and compare the academic performance, attendance.

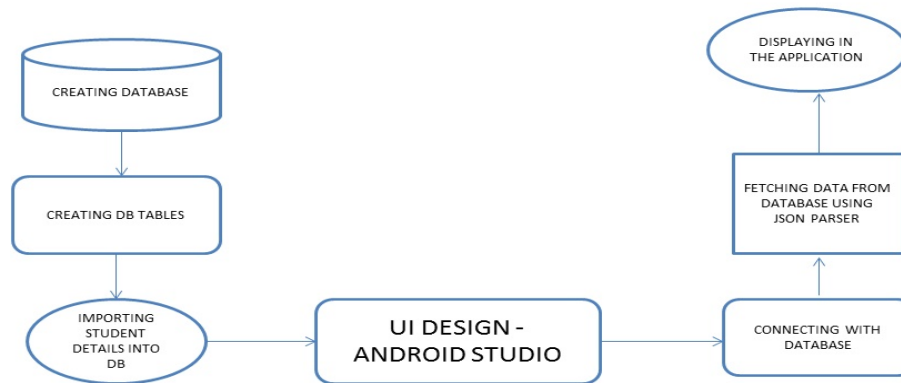
II.EXISTED SYSTEM

The system which is used nowadays has some drawbacks which need to be improved for better performance. The system through which the feedback is taken is not good enough. The views of each and every student are not expressed through these systems. As the technology is developed day by day we need to use this technology so we can get an efficient result in adequate time. The existed system can access by login through username and password. So that it gives the current semester marks. The attendance can be displayed for overall semester. The notification message based on the exam schedule, changes in time table, sudden affair, etc.

III.DRAWBACKS OF EXISTED SYSTEM

1. The existing system have separate maintenances to access the username and password of the user.
2. The existing system is not much efficient as once the user forget his or her username and password it is difficult to again reset the username and password.
3. Only the current semester marks can be viewed by the user no other messages can be known for eg., co-curricular, extracurricular activities.

IV.PROPOSED SYSTEM



Architecture of the proposed application

The system architecture has a smart phone with android OS, a web services, a database server and the user as its components. The android smart phone or tablet must use network for internet connectivity to ensure better performance. The user will access to the application by providing roll number through an android smart phone. The user-type is verified with the database server and access is given to the appropriate user.

V.MODULES

CURRENT PROGRESS REPORT

In the current progress report module the user has to provide the roll number and click on the button “GET CURRENT PROGRESS REPORT”. After entering the page contain the name, department year and the current periodicals and semester of the student

PREVIOUS PROGRESS REPORT

In this module the user has to provide the roll number and click on the button “GET PREV PROGRESS REPORT” and then can view the previous year semester results.

ATTENDANCE

In the attendance module the user has to access by providing the roll number and clicking the button “GET ATTENDANCE”. The user can view the attendance for three phases of periodicals and overall semester attendance and comparing it with class attendance .In this way the individual attendance of a student can be viewed anytime.

CO-CURRICULAR

In this module the user has to access using the roll number and clicking the button “GET COCURRICULAR”. So that the user can view the individual performance in all the co-curricular events like technical events, department events, etc. It also shows the details about the individual participation and achievement of the individual.

EXTRACURRICULAR

In this module the user can access through providing roll number and clicking the button “GET EXTRACURRICULAR”. By this the individual can view the participants and achievement of the individual in his or her performance in the extracurricular events like cultural, sports, etc.

ALERTS

This module maintains alert messages such as Exam Schedule, Cultural events, upcoming events and other programs in common to all the users. It also includes quick alert messages such as unexpected holiday, Exam postponed and so on. The access control of these alert messages are managed only by the Principal, Head of the department (HOD) and the staff to all Students and their Parents. The students and parents can only view the alerts but posting them are done only by the Principal, HOD and the staff.

VI.BENEFITS OF PROPOSED SYSTEM

1. The application will greatly simplify and speed up the result preparation and management process
2. Can be accessed from anywhere if the application is installed in the phone and data can be retrieved from any place until the net is accessible.
3. Interface of the application is user friendly which helps in providing a clear and broad idea of the particular student and alerts or notifications.
4. It is fast in providing the required data from the database and also is very efficient in displaying the data to the user.
5. It allows the parents to compare the whole class performance in semester as well as in periodical tests.
6. It also serves as a database which holds the student academic information.

VII.SYSTEM REQUIREMENT

HARDWARE REQUIREMENT SPECIFICATION

Operation Device : Android Smart Phone

SOFTWARE REQUIREMENT SPECIFICATION

Core Language : java

Scripting Language : PHP

Database : MySQL

Domain : Hosting Service

VIII. CONCLUSION

An Ishakthi Academic Tracker-Mobile application is presented. The application offers reliability, time savings and easy control. It can be used as a base for creating and enhancing applications for viewing results, tracking attendance for colleges or any workplace. Students and their parents will also view results, attendance and curriculum details using this application. Also students can view details, notifications anywhere and anytime. The application will greatly simplify and speed up the result preparation and management process. It provide high security and a system that reduces the work and resources required in traditional process. The proposed system provides the new way of computing and displaying an operations with responsive and attractive user-interface.

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