

Smart Student Information

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Abstract: By using this application students can easily interpret any events of the organization. There are provision to view notice boards but if any news or events which is to be added dynamically it is difficult in terms of manual system. In this document the requirements of a reliable student information management system are analyzed. Regarding the execution process, modern approaches are used to develop and deploy a consistent online application for supervising the student information online using an android application. In this application students and parents can view various events and activities occurring in the college as well as attendance and internal marks.

Index Terms—Fer Droid, Android, data aggregation.

I. INTRODUCTION

A smart student information is an administration application for education institution to manage the student data. If this process is provided manually, it is difficult to handle big amount of students, teachers and classes. To update the events information or to take attendance you should make a lot of work. If a student is absent for a particular day then his/her parents are unable to know the notifications about their children and their academic details. By using web and android based system a student will be able to view the events conducted in a college. In an efficient way students and their parents can access the information about events occurring in colleges and their internal assessment marks whenever they want using this android application in their mobile phones. The time required is less when compared with the paper records. This approach would provide an easy access to the resources of different systems for all users by web browser.

II. LITERATURE SURVEY

1. Android Based Student Information System Chandrakala G C1 , Geeta Kalshety2 , Suma Paddki3 , Anuradha T 4

Student information system is to create an application that can provide query management system through android mobile phones. Change in Information Technology allow college to make use of database and application such as student information system by giving the access of records to centralized system. Student information management system creates an application that can offer query management system through android mobile phones.

2. Access Student Management Systems Using Mobile linked Devices Hrvoje Maracic, Iva Bojic, Mario Kusek

In the spirited environment of international higher education-related services, the concept of students as “customers” becomes a competitive very important. And students’ satisfaction has a significant positive effect on their loyalty which even can promote their success. In this presentation we are going to introducing an android application for storing student information.

III. EXISTING SYSTEM

Currently to maintain information about student, the college is using physical process i.e. using books and ledgers. Now a days the college require a robotic atmosphere where it is easy for storing data about student details, their attendance, marks, staff details, course details, and timetable. This method is time consumed and it’s not possible to preserve the data also and its leads in increasing human hard work to maintain all this. So by using this computerized application we can solve the problem.

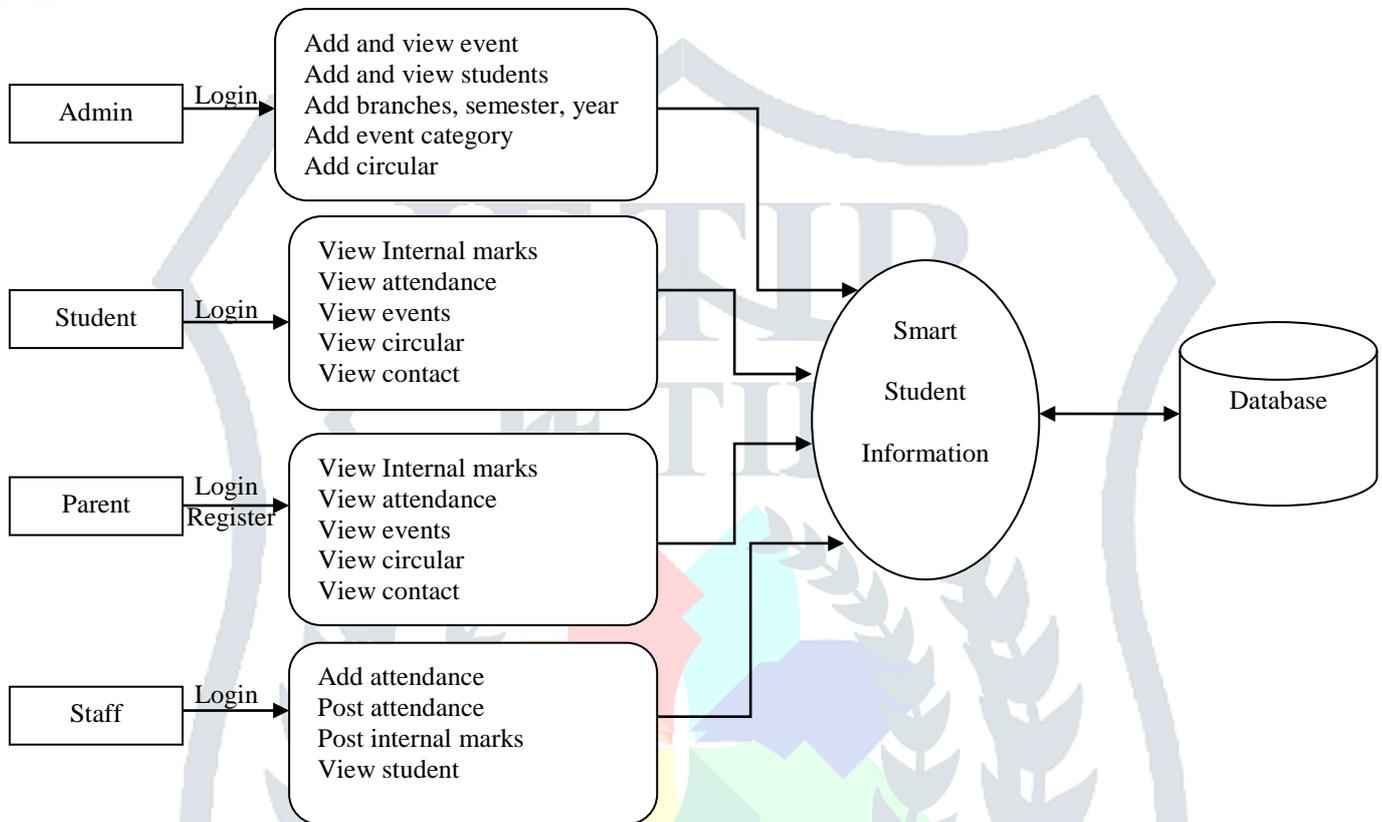
Disadvantages

- More human effort and time consuming
- Tedious process
- Not reliable
- Static

IV. PROPOSED SYSTEM

The developed system is an automated application used for storing student data. The admin of the application will manage the entire campus bulletin application such as adding semester, year, branch, course, students, parents, events, circulars. This application keeps the data on a regional server which is to be accessible by the users by providing a correct user id and password. The information which is kept on a server is accessed through android application installed on user's android phone. By using this application the redundancies of data as well as effectiveness of the data correlation of a specified student can be managed easily. If student wants to know his/her attendance and internal marks, he/she can easily login and view the details. Faculty can post the attendance and internal marks of particular student that can be viewed by student and parent. Faculty can make a call to the respective parent to communicate about a particular student.

Architecture:



Advantages

- Easy updating of information.
- Keeps student data updated regarding IA and attendance.
- Efficient allocation of resources.
- Parents can easily access the details of their children.
- Provides advanced and fast approach.

V. RESULTS

There are four modules in this application:

1. Admin
2. Parents
3. Staff
4. Student

1. Admin:

Login:

Admin has to login using the User-id and password

Add and view staff:

Admin can add staff to this application and view them.

Add and view students:

Admin can add and view students. When admin adds students by using college roll number. A mail will be sent to students and his parent.

Add branches:

Admin will add branches.

Add year:

Admin will add year and students details in this module.

Add semester:

Admin will add semester and students details in this module.

Add event category:

Admin will add different event categories occurring in the college in this module.

Add and view events:

Admin will add or view events in this module.

Add and view circular:

Admin will add circular about college with title, description and attachment.

2. Parents:**Register:**

This module is for parents to register with their valid details before login to the application

Login:

This module is for Parents to login using his User id and password

View events: This module is for parents to view events based on category added by the admin.

View circular: This module is for parents to view circular with description and attachment.

View IA marks:

This module is for parents to view IA marks scored by their children's.

View attendance:

This module is for parents to view attendance.

Contact us:

This module is for parents to contact the admin for their queries.

3. Staffs:**Login:**

This module is for Staffs to login using his User id and password.

Add IA marks:

This module is for Staffs to add IA marks of student and notifications will be sent to parents and students regarding IA.

Add attendance:

This module is for Staffs to add attendance of students and notification will be sent to parents and students regarding attendance.

View student:

In this module Staffs will view students of particular branch and year.

Select student: In this module staffs will select students from particular branch and year and they can call the students or their parents.

4. Students:**Login:**

This module is for Students to login using his/her User id and password.

View events:

This module is for Students to view events based on category added by the admin.

View circular:

This module is for Students to view circular with description and attachment.

View IA marks:

This module is for Students to view IA marks scored by them.

View attendance:

This module is for Students to view attendance.

VI.FUTURE SCOPE

Smart student information system is mainly designed to satisfy the student related data needs in any organization. The main objective of this application is to manage any student related information within a particular college or a university. This is mainly used by students in-order to view and access the information regarding college which comprises of notifications, Attendance, IA details etc. Any college related information such as events, notifications, updating or deleting of students records could be done easily and securely using this web and android based online system. The proposed system is a repository of data collection, data processing, data analysis, data reporting. Admin provides secured logins to each and every section such as staff, parents and also to each and every individual student.

VII. CONCLUSION

In this paper an efficient method proposed “Android Based smart student information system” for challenging information technology allows colleges to utilize database and applicant such as student information system, thus making the accessing records centralized. This proposed system is mainly concentrated and efficiently on student information system for achieving better information to all staff, parents and members involved institutions.

VIII. REFERENCES

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