

Student Notification System (SNS)

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ABSTRACT:

Student Notification System is an android application which is helpful for students as well as the college management to maintain all the college information. In the existing system all the activities are done manually. It is very time consuming. In our proposed system, students can view results using their smart phones (Android). All the data will be stored in the college server. In this system, students have easy access for viewing the marks, provided their username are correct and they are not permitted to update any content in the server. In the student's module, student can view their attendance, exams schedule, marks as well as he can view other student's marks and attendance but he can not be able to update any of the data. Admin maintains the student's marks of internal college exams. Students can view all Notifications from the application directly. Application also includes implementation to support above facilities to its students. Student's attendance is also monitored by the application.

INTRODUCTION:

The title of the project is "Student Notification System" (SNS). This Application Defined As An Application Based On Internet That Aims to all the levels of management providing information about organization. This system can be used as a information management system for the college. The system plans for student user interface, allowing students to view all the information of Exam schedule, marks etc. All data is stored securely on MYSQL servers managed by the college Administrator.

The application focuses on presenting information in an easy and intelligible manner which provides facilities like online profile view of students, attendance monitoring, circular notifications, result viewing thus reducing paper work and automating the record generation process in an educational institution. There is an increasing trend for higher education institutions to be expected to monitor student records.

PURPOSE OF DOCUMENT:

This document is the Software Requirement Specification for the Student Notification System for College project. The purpose of this document is to describe how the functionality, requirements and general interface of the CMS is working for users.

SCOPE OF THE PROJECT:

The requirement of the user is to

- Login to the system to access the information
- View Profile information
- View Exams Schedule
- View Attendance of the student
- View Daily time table by Department wise
- View syllabus
- View Notifications
- Search Users

Student cannot update any of the information, Only Admin can update any information on the server.

PROBLEMS IN EXISTING SYSTEM:

- It was limited to a single system.
- It was less user-friendly.
- It will take too much of time to process.

- The present system was less secure.

SOLUTION TO THESE PROBLEMS:

The development of our application contains the following features, which try to automate the entire process keeping in view of the database integration to fetch the data.

- User friendliness is provided in the application with various menu controls.
- The system makes the overall project management much easier and flexible.
- It can be accessed over the Internet and through mobile.
- There is no risk of data mismanagement at any level while the project development is under process.
- Students do not have to visit the college notice board every time.

USER REQUIREMENTS:

- A User Should be able to login to the system through the Android Application.
- Admin only can upload the data for a particular User.
- Admin will have access to see the status of particular Student id number.
- Student can see attendance, notices, grades, exams schedule etc.
- Parent can just view the record of their child data.
- Faculty can give the notices for the students.
- The administrator verifies all these data.

USER OPERATIONS:

1. View Attendance:

Students can view their attendance semester wise with percentage, this data is updated by Admin in the server.

2. View Exams Schedule:

Students can view their exams schedule by semester and exams.

3. View Results:

Students can view their exams result (Marks) by semester wise and exams.

4. View Syllabus:

Students can get the syllabus content by Department and Semester wise.

5. View Time Table:

Students can view the Daily Schedule of the classes.

6. View Notifications:

Students can view the notifications by H.O.D or Admin.

7. Search Users:

Students can search other students profile using the Roll Number or name.

Requirement Analysis:

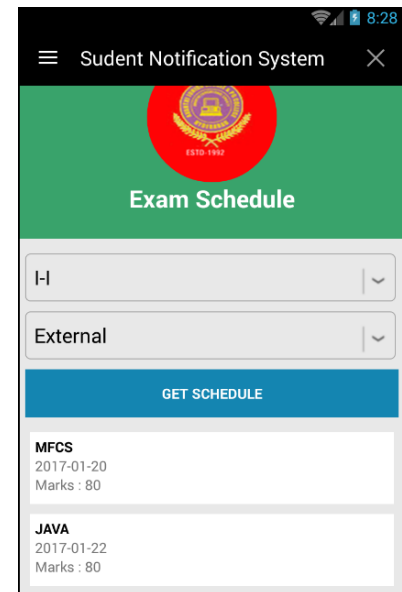
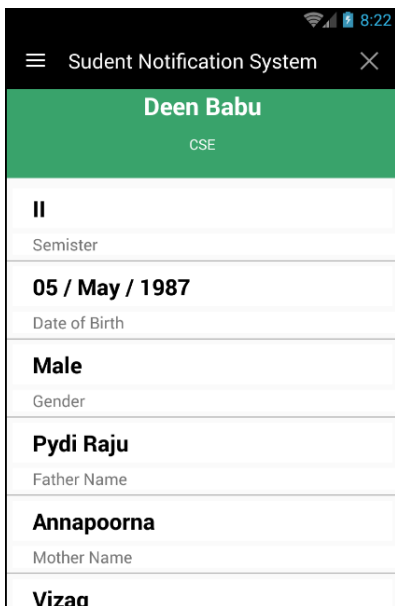
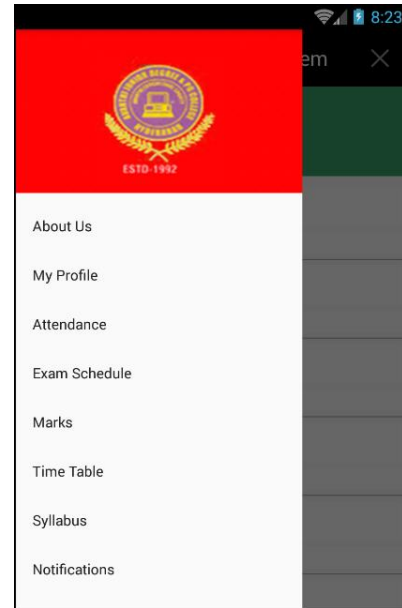
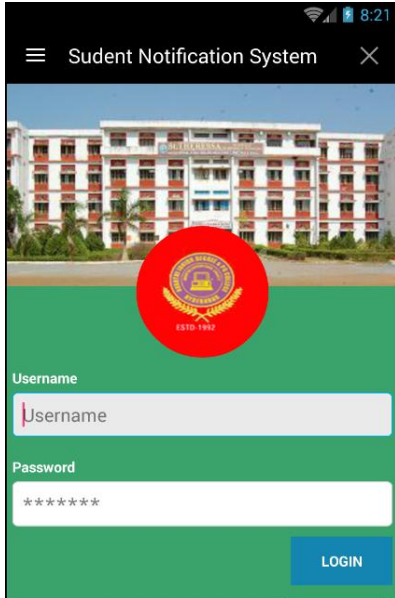
Hardware Requirements:

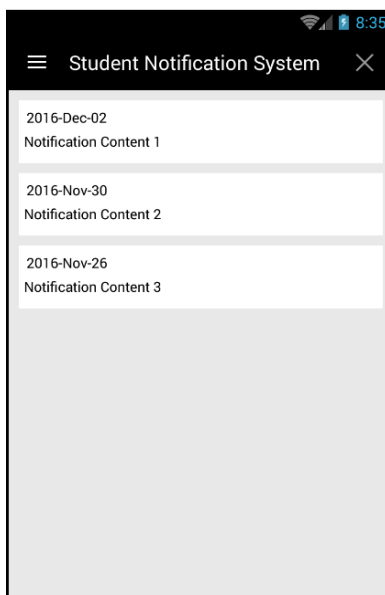
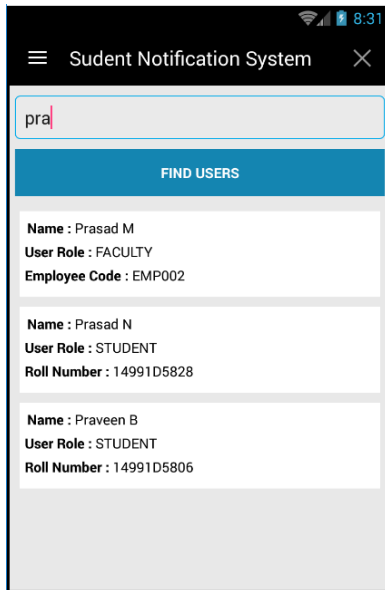
1. Intel Processor
2. Minimum 50 GB Hard disk
3. Minimum 4 GB Ram
4. Standard Keyboard and Mouse

Software Requirements:

1. Android Studio
2. Java
3. MySQL
4. Spring Tool Suit
5. Android SDK

Results:





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- [2] Lalith Mohan Joshi “A Research Paper on College Management System”, International Journal of Computer Applications (0975 – 8887)- July 2015
- [3] Vishwakarma R Ganesh “Android College Management System”, International Journal of Advanced Research in Computer Engineering & Technology, Apr 2015, ISSN: 2278-1323.

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CONCLUSION:

An Android based mobile application for Student Notification System offers reliability, time saving and easy to 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.