



## Smart Application System for Student Attendance and Result Management System

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**Abstract** — Smart Attendance management system is an application developed for daily student attendance in college. Change in Information Technology (IT) allow schools to utilize databases and applications such as Student Information System (SIS) thus, making the accessing of records centralized. One of the changes that came about is the online-based applications. These application are an managing to the traditional transaction processing systems. The proposed system is an Android application to manage student details on mobile and keeping them updated about latest events in college. The purpose will be used by students, teachers and parents. The utilities provided by the application are student details maintenance, discussion forum, notice board, attendance, report generation, Recommendation System and On-line courses data. The main objective of this project is to add mobility and automation to the method of organization student information in an institute.

**Keywords-** Mobile application , Remote server, recommendation system

## I.INTRODUCTION

Android is a operating system and Linux kernel based platform for mobile devices. The world is contracting with the growth of mobile technology. Android Based attendance management system is a mobile application developed for daily student attendance in schools, colleges and universities. The application is useful both of student and faculty. The attendance system is one of the mainly important system used in every association to keep the track of attendance, Nowadays, Android phone has emerge as the world most popular mobile platform. Android is the world most popular mobile platform. We generate such system which mainly used modular words contains and easy to understand, user friendly and reliable to use in many organization. Since ages, mark attending has been one in every of the foremost vital ways in which to confirmation and track the presence of scholars in colleges, colleges. Such systems could also be manual or machine-driven. Propose System is based on Android Based Attendance Generation. The aim of the development is to build an Android mobile application for attendance system that can be used by all teachers for their respective courses. This application fetches the details of the courses allotted to the respective faculty and the students enrolled in the courses from the server using the internet connection and store it in the mobile database. System provides online course information to student. Student will get Recommendation based on their academic performance for different subjects (Recommendation of material like, e-books, videos, pdf, text files)

## II.LITERATURE SURVEY

### 1. An Android Application for Student Information System

**Authors:** Manasi Kawathekar ,Kirti K. Bhate, Pankaj Belgoankar.

Changes in info Technology (IT) enable faculties to utilize databases and applications like Student data system (SIS) therefore, creating the accessing of records centralized. one in every of the changes

that materialized is that the online-based applications. These applications area unit Associate in Nursing improvisation to the traditional- dealing process systems. The projected system is Associate in Nursing golem application to manage student details on mobile and keeping them updated regarding latest events in faculty. the applying are employed by students, academics and fogeys. The utilities provided by the applying are- student details maintenance, discussion forum, bulletin board, group action and report generation. the most objective of this project is to feature quality Associate in Nursingd automation to the method of managing student info in an institute.

## **2. Web Based Student Information Management System**

**Authors:** S.R.Bharamagoudar , Geeta R.B. , S.G.Totad

Student data Management System provides a straightforward interface for maintenance of student data. It will be employed by academic institutes or schools to keep up the records of scholars simply. The creation and management of correct, up-to-date data concerning a students' educational career is critically necessary within the university likewise as schools. Student data system deals with all reasonably student details, educational connected reports, school details, course details, curriculum, batch details, placement details and alternative resource connected details too. It tracks all the small print of a student from the day one to the tip of the course which might be used for all news purpose, pursuit of attending, progress within the course, completed semesters, years, returning semester year info details, communicating details, project or the other assignment details, exam result and every one these are obtainable through a secure, on-line interface embedded within the college's web site. it'll even have school details, batch execution details, students' details all told aspects, the varied educational notifications to the workers and students updated by the faculty administration. It conjointly facilitate U.S. explore all the activities happening within the school, completely different reports and Queries will be generated supported Brobdingnagian choices associated with students, batch, course, faculty, exams, semesters, certification and even for the complete school.

## **3. A Framework for Web Based Student Record Management System using PHP**

**Authors:** Er. Saurabh Walia , Er. Satinderjit Kaur Gill

Student Record Management System &#40;SRMS&#41; provides an easy interface to support of student information. it would be used by instructive universities or schools to stay up the records of scholars effectively. The creation and administration of error less, exceptional information with reference to a student' learned profession is discriminately overriding within the schools and in universities. Student data system manages all styles of student details, tutorial connected reports, faculty details, fee details, results, batch details, attending details and alternative resource connected details too. It tracks all the main points of a student from terribly mean to the top of the course that may well be used for all coverage purpose, pursuit of attending, progress within the study, completed semesters, years, coming back semester year info details, fee details, project or the other assignment details, exam result and everyone these are out there through a secure, on-line interface embedded within the college's Student Record Management System

## **4. Cloud based Intra-College Communication Information System using Mobile Clients**

**Authors:** Swapnil S. Bangare, Atul S. Mhaske, Sagar A. Sune, Harshal D. Pranjale

we have seen over the years that the method of notice boards, vital notification regarding teachers has been distributed manually virtually across all instructional establishments. the method isn't solely time overwhelming however conjointly inefficient. This ancient system needs a manual work of writing notifications, taking printouts, displaying it on notice boards and conjointly needs students to look at sporadically. It uses plenty of paper work. Today, we want to not maintain paper based mostly Notice boards. Following this thought, we've got developed a system supported the idea of internet services that is enforced on humanoid mobile application further as on computer that

communicates with the information residing on a distant server. This paper focuses on however the scholars square measure ready to get notifications right onto their mobile application. during this paper the author's show that however the idea of internet services are going to be helpful for communication between remote server and humanoid mobile application. This paper discusses the planned system, summary of the planning, and its implementation.

### III. EXISTING SYSTEM

Right now, in this time, the organizational head or the faculties have to take attendance in their register. There are many a lot faults in this ongoing system. Once if your register or the documents related to attendance get lost somewhere, then you will end up losing all the details which will of great loss for both the faculties and students. Also, it will take a lot of time in marking everyone's present via hand. Sometimes it does happen that the faculties forget to bring their attendance register and they will take up attendance in page, which in turn will be of a good profit for some student's as they mark proxy attendance of their friends who are not present on that day.

#### Disadvantage of Existing system

- The content is not well organized and hence difficult to understand.
- A lot of searching is required.
- required more time

### SYSTEM ARCHITECTURE

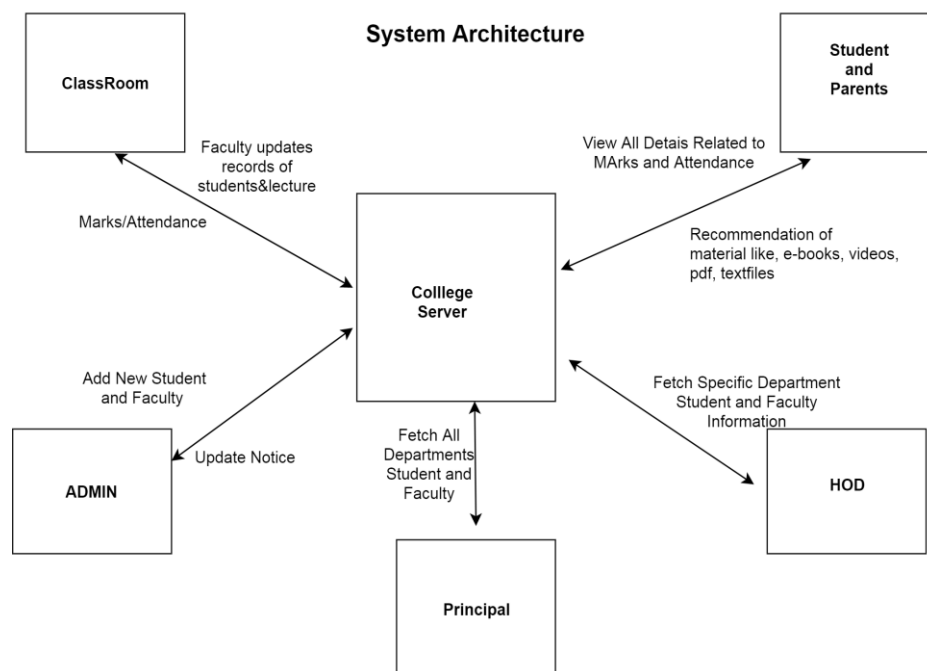


Figure: System Architecture

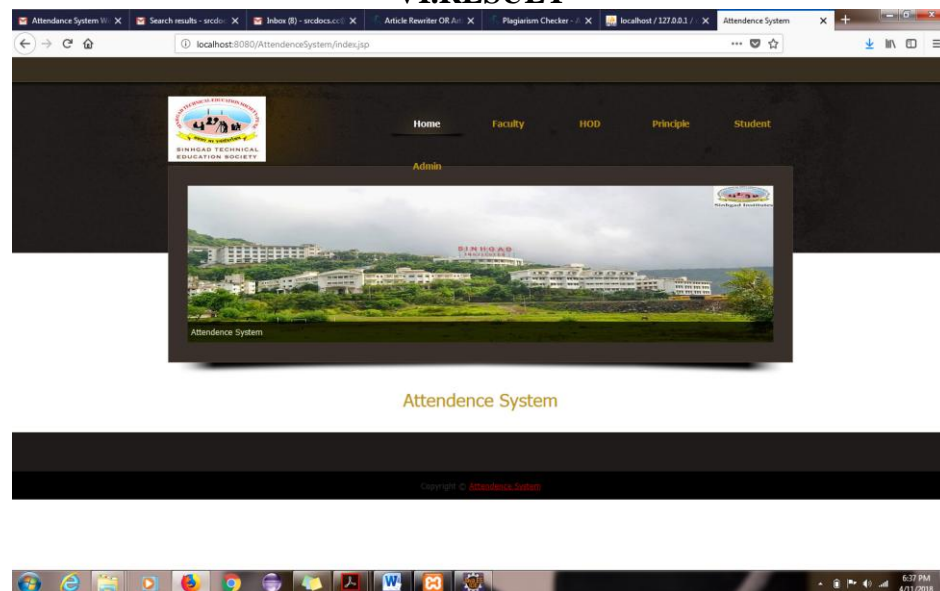
## **V. PROPOSED SYSTEM**

The objective of the design of a new system is to automate the current procedure of managing and controlling the information about the student details and to reduce the overhead of managing paper documents for every announcement and notices being made. The proposed scheme will keep the information on a central server while allow users to access that information from their own Smartphone through the installed android application. Attendance will be an optimized database on the attendant and an improved user interface on each client machine i.e. on the SIS app installed on the user Smartphone. The developed application will be used by students, teachers, parents and the administrator.

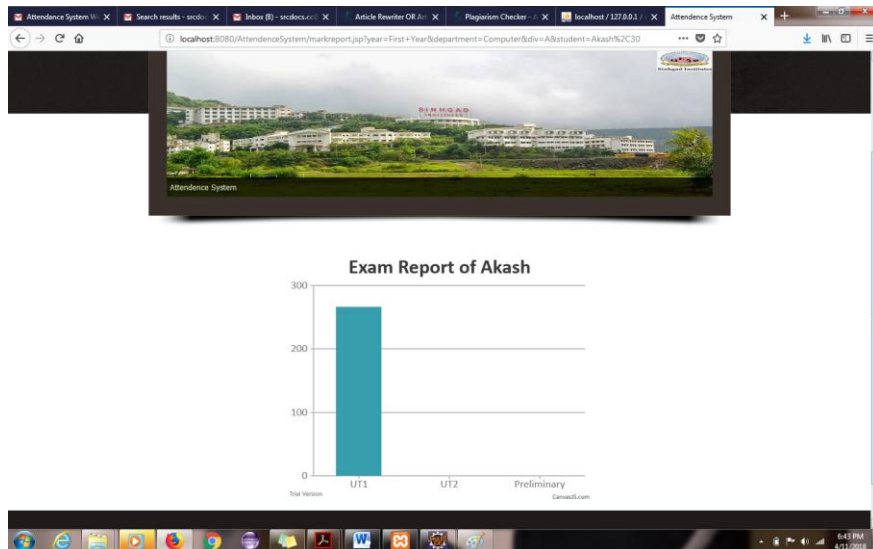
### **Advantage of proposed system**

- Simplified attendance with respect to traditional method.
- Enhanced attendance evaluation.
- Time saving.
- No need to maintain several separate records and manual calculations.

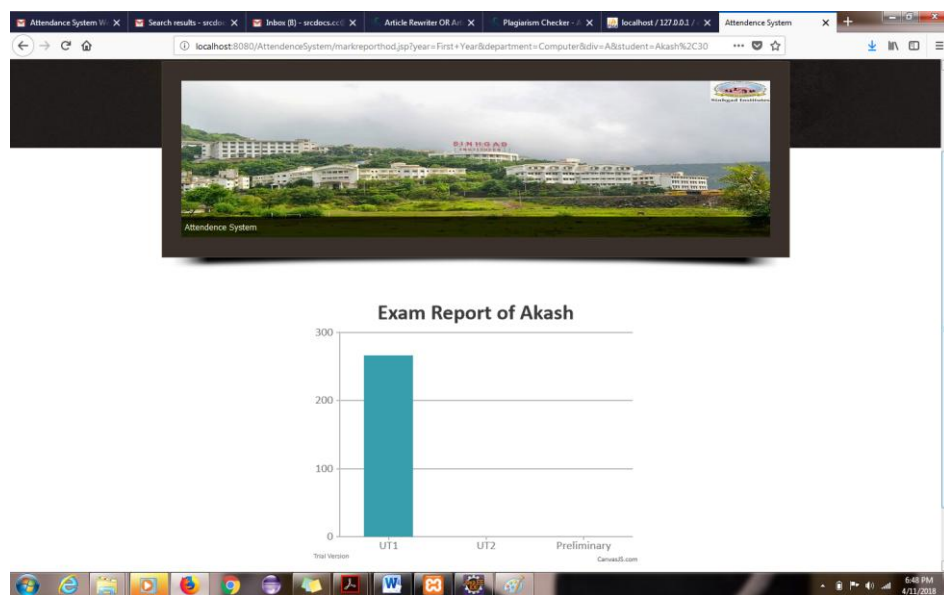
## **VI.RESULT**



**Screenshot 1**

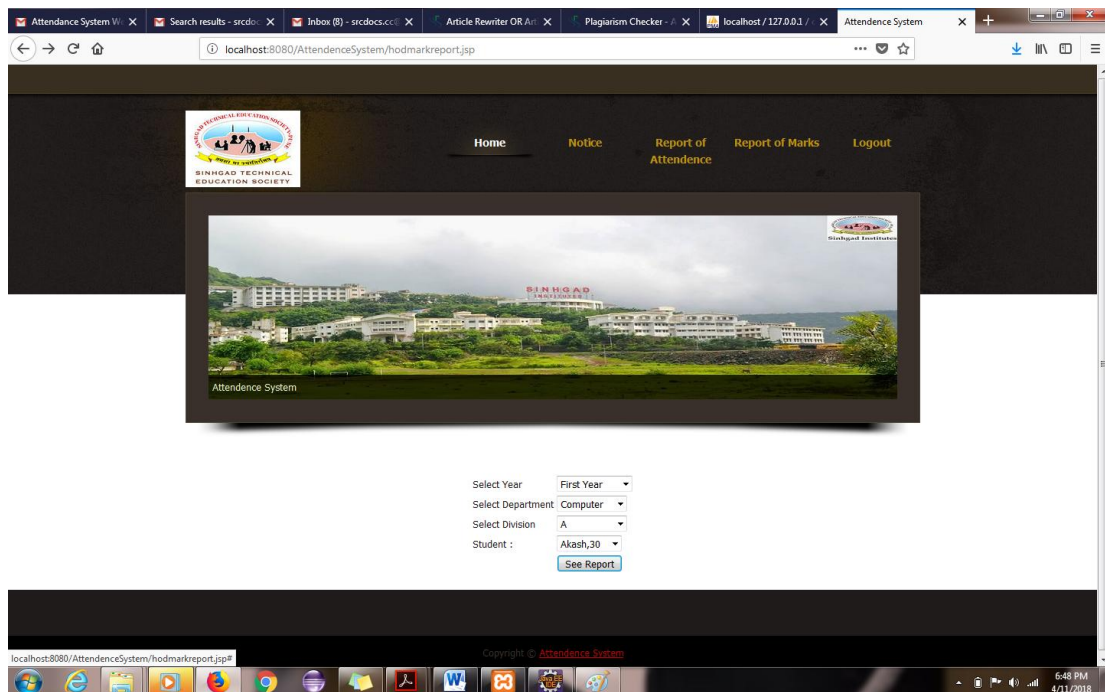


**Screenshot 2**

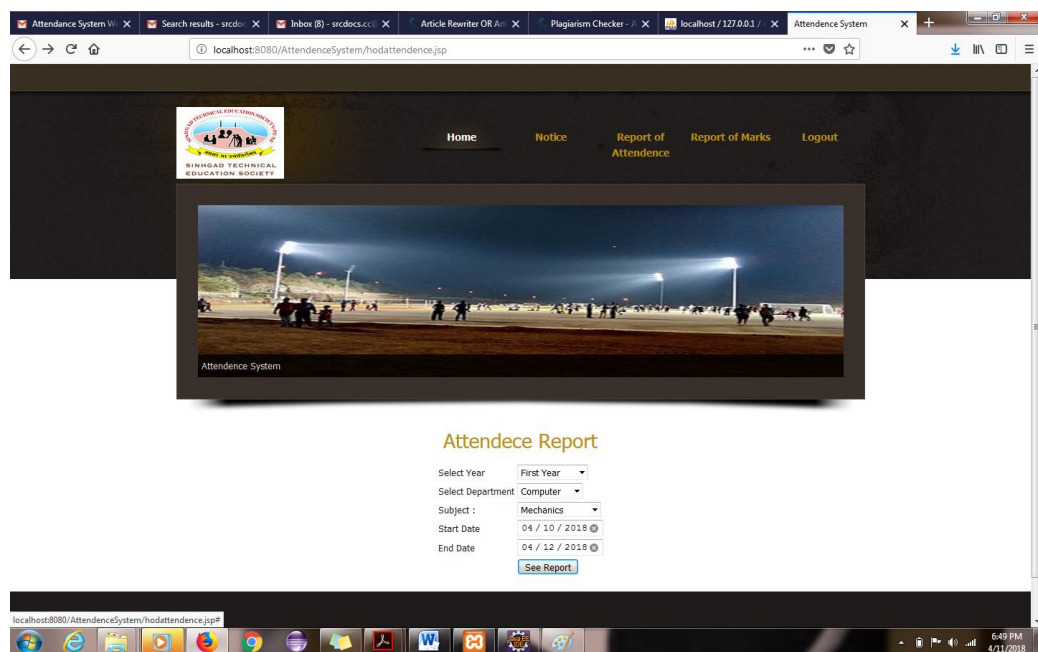


**Screenshot 3**





**Screenshot 4**



**Screenshot 5**

## **VI.CONCLUSION**

This paper assists in automating the existing manual system. This is a paperless work. It can be monitored and controlled remotely. It reduces the man power required. It provides accurate information always. Malpractice can be reduced. All years together gathered information can be saved and can be accessed at any time. The data which is stored in the repository helps in taking intelligent decisions by the management. So it is better to have an android application for student information management. The application offers reliability, time saving and easy control. It can be used as a base for creating similar applications for tracking attendance in offices or any workplace. We have tried to make the smart attendance system .the software is user friendly with several

features. This system 24\*7 availability of information. This system is more secured than traditional attendance system.

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