DESIGN AND IMPLEMENTATION OF COLLEGE STUDENT INFORMATION USING ANDROID APPLICATION

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Abstract -*The aim of this project is developing College Student Information android application which will manage the working of college management. This application manages powerful data and has easy interface. The main objective of this application is to reduce the paperwork and time used for manual processing. An Education system in India has become so advanced due to the development of the technology. This application will help the institute to move forward quickly, fulfil their vision and accomplish their goals. The idea of research project is to implement Android based application for college management system for institution system. This project will be implemented in applications such as online test marks, different college departments, notices, different modules and online attendance record using Android applications.*

***Key Words**: - Android, Attendance, interface*

1. INTRODUCTION

In this modern age, college management has become very essential component in education. With the help of College Student Information android application we can gather all the useful information needed to the management. This application consists of different modules such as student, faculty, admin etc. Our main purpose is to create an android application which will manage the working of these different modules. With the continuous growth of college time, the increasing amount of fresh and previous students in college, the information of students has also increases. For each of the colleges who faced such large amount of information, the extent of difficult task is unimaginable. We are introducing an android application for college students. With the help of this application we can gather all the useful information which is reliable to management.

1.1 PROBLEM STATEMENT

In Existing System, managing various modules such as Student module, faculty module etc. that increases lot of paper work as well as time. In student module at present there are various things which includes paper work such as Notice Board, Exam time table, Feedback etc. In faculty module at present there are various things regarding attendance, defaulter lists, total no of lectures that is time consuming.

1.2 PROPOSED SYSTEM

We Crete login for the user based on their access rights. All the Notices, Events, Attendance etc. can be viewed at any time. Students can able to see their overall all record such as attendance, test marks etc. by login.
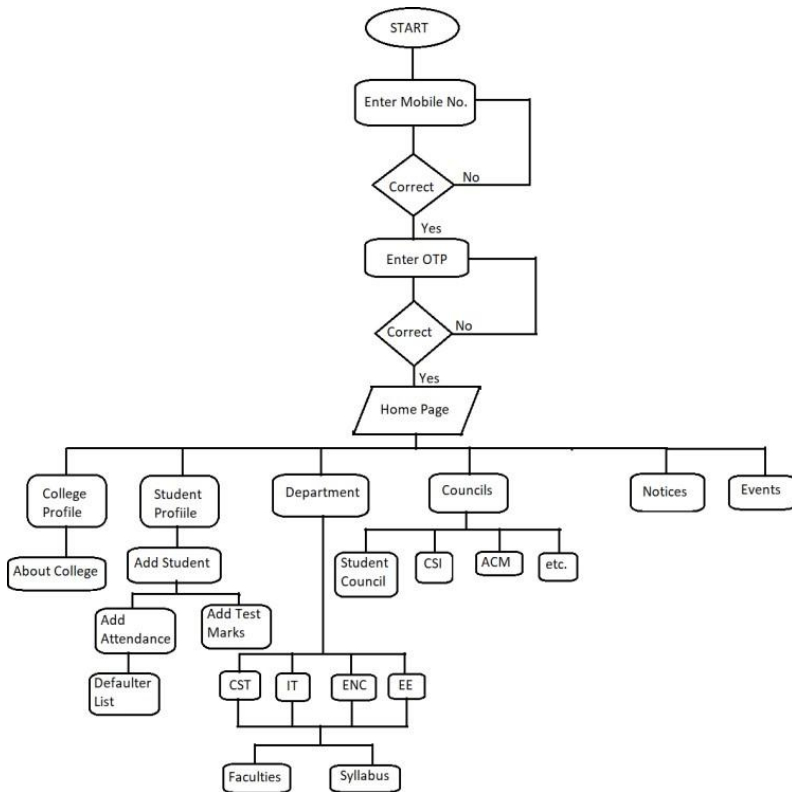
The working principal is as follows-

Our System manages the three most important module of college management which is Student, Staff and principal .the system is given a role based access to every user who are having username and password which is gives access to the system.
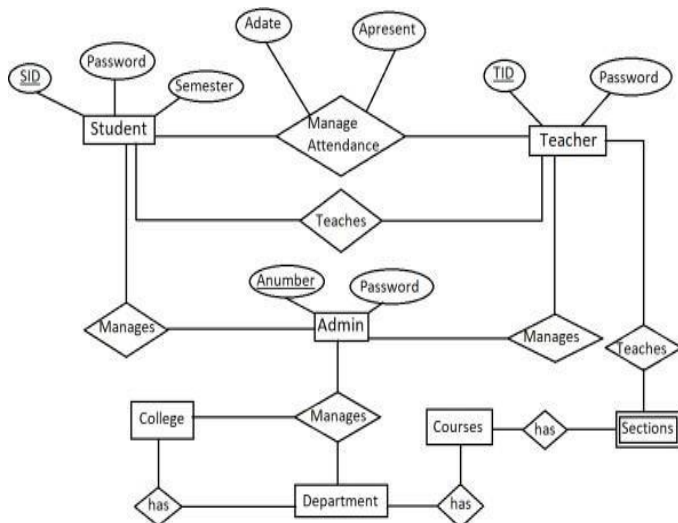
1.3 DESCRIPTION

1. Staff Login and Dashboard: Here, the registered staff members can enter their credentials and also can manipulate profile of themselves as well as profile of

2. Students: Student Registration and Login: Here to access the system, students need to first register themselves into the system. Registered students can access the system by logging into it.

3. HOD Login: Here, HOD login into the system and can view the mark sheet of students and also can print.

4. Defaulter list: The system generates defaulter list in excel sheet for specified period provided by user.

5. Profile Update: Here, the system allows the Staff member as well as Students to update their profile.

6. Report generation: At the end of attendance process system automatically generates overall report.

7. Search option: There is search option available in system through which the staff can search by any particular student's name, roll no., year and semester and can see their attendance record.

8. Print Report: Here, the system allows staff member as well as HOD to view and print the respective report of student.

9. Forgot Password: If any of the staff or students are unable to recollect the password can reset their password and can set a new one.

1.4 SYSTEM ARCHITECTURE

1.5 PROJECT OVERVIEW

2. LITERATURE REVIEW

2.1 TANG Yu-fang'ZHANG Yong-sheng. Design and Implementation of College Student Information Management System Based on Web Services.

The work done in the above paper scopes into deploying a The SIMS is developed by the design of database SIMS.mdf and the realization of each module's function. Through this system, students can get personal information into the database of college student information management system which is Real-Time, accurate real-and inquire personal information timely and easily. Thus, it reduces information input workload of college administrators, and enables them to focus on managing that information. It also realizes the automation of information management for college student, and encourage the management of college students to carry out high efficiently. In this paper this system have seven function modules such as the students information management module, score management module, the award management module, the punishment management module, the social practice module, the subsidization management module and the user privilege management module, through the B/S mode (such as Web browser)etc.

2.2 Pooja S. Sharma Reshma R. Shetty Gayatri V. Yadkikar Prof. Dhanashri Kanade, College Automation System- IJIRST This paper describes method of developing College Automation System which will manage the working of college management activity using single platform. This system has easy interface and strong data management. They have used bootstrap which increases the responsiveness of the system. The objective of this system is to reduce the paperwork and manual processing. The aim of this System is to reduce the workload and to save significant staff time. In their System provide the automate admissions no manual processing is required. This paper describes 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 this gathered information can be saved and can be accessed at any time. The data which is stored in their repository Helps in taking decisions by the management providing the accurate results. The storage facility will relieve the job of the operator. Thus the system developed will be helpful to the administrator by easing task providing the accurate result.

2.3 Yang Qingshang Zeng Xianli Zhang Mingying Design and implementation of college student management information system based on .Net three-layer structure- IEEE

This paper implements the design and implementation of college student management information system to develop the systematization, information and scientific process of college student management, to improve management and

service level of college student management. In their system they use the three-layer B / S structure and the modular design concept, which improve system security and maintenance.

2.4 Suman Chatterjee, Manish Kumar Thakur Smart Collage Management System – IJERT

This project is android based project will do the task through the application. It will decries the paper work. The admin, faculty or the student will perform all the task very efficiently and more conveniently. The application offers ease, security, time savings and easy control. . It can be used as a base for creating and implementing applications for viewing results, tracking attendance for colleges. Students and their parents will also view test marks, attendance and curriculum details using this application. Also students can view details, marks, and notifications anywhere and anytime. Their application will easy to use and it speed up the result preparation and management process. The proposed system will decrease the work time of the admin as well as the faculty. This is more perfection to the work.

2.5 CAI Chang-an, WANG Qi Design and implementation of student information management system based on B/S model-IEEE

This paper refers ASP-based web application and active website technology, which are developed by Microsoft Company, It makes web application simple and faster. The design and implementation of student information management system based on B/S model is introduced briefly, including system demand analysis, database design, system function and implementing technology. Key technology such as ASP technology and network security technology are analyzed .The practice show that the software has such characteristics as friend preface and flexible operation.
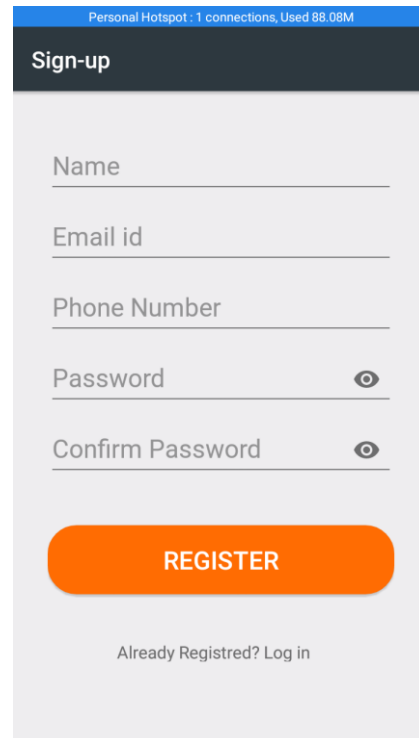
3. RESULTS

Fig.1: Registration Page

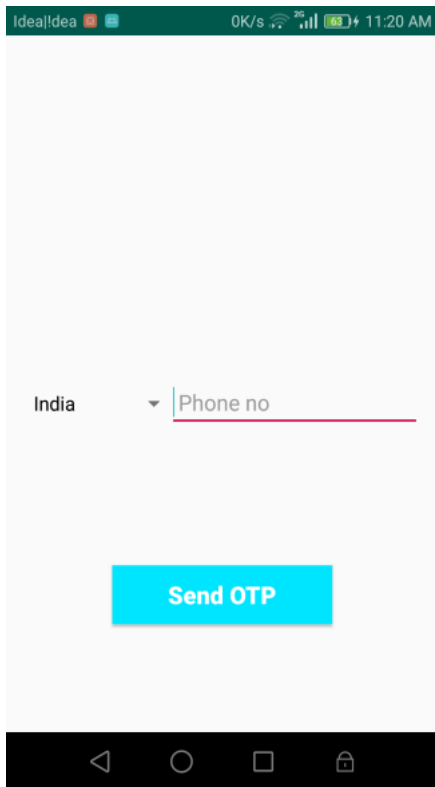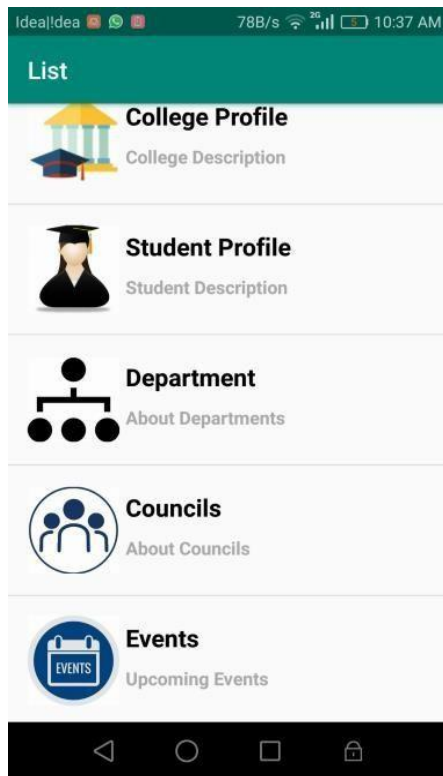**Fig .2:** Login Page

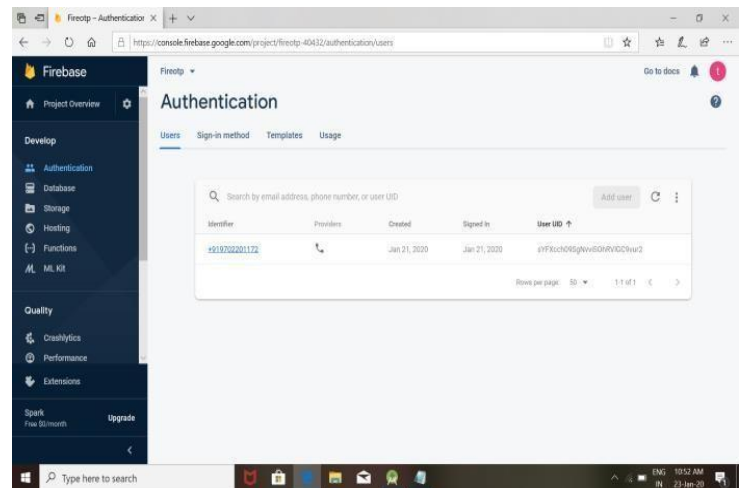**Fig.3:** Authentication Page
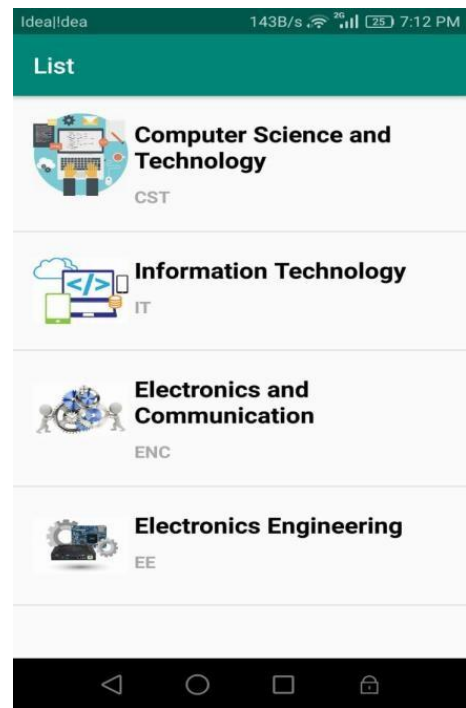

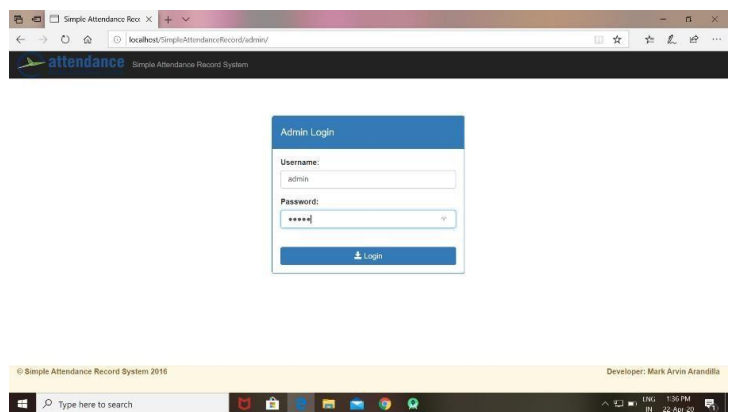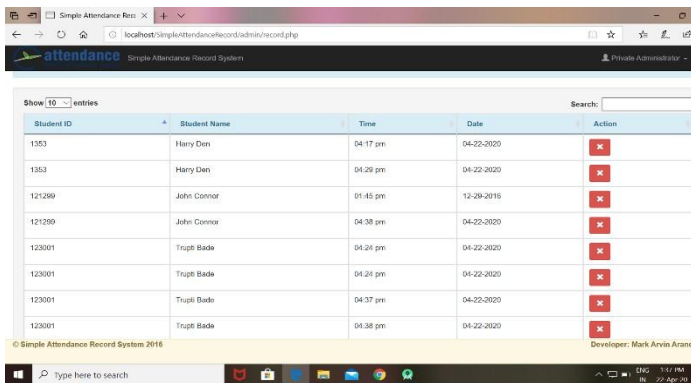**Fig.4:** Home Page

Fig.5: Database Entries

Fig.6: Departments

Fig.7: Attendance

Fig.7.1: Attendance Entries

4. CONCLUSION

Using the Existing System accessing information from files is a difficult task and there is no quick and easy way to keep the records of students and staff, Storing and retrieving of the information is easy. Unavailability of automation is also there in the Existing System. The aim of Our System is to reduce the workload as well as the paper work and to save significant staff time. No manual processing is required for This System. It reduces the man power which is needed to perform different tasks by reducing the paper work and saves time .It can be monitored and controlled by system. It provides accurate information always. All years together gathered information of past can be saved and can be accessed at any time. The data which is stored in the system helps in taking decisions by the management providing the accurate results. It is more effective and suitable for the colleges.

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