

## International Journal of Innovative Research in Science, Engineering and Technology

*(A High Impact Factor, Monthly, Peer Reviewed Journal)*

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Vol. 8, Issue 6, June 2019

# Integrated ERP Solution with an Android App for Educational Institution

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**ABSTRACT:** The application is intended for educational institution that handles various academic and non-academic activities of a College/Academic Institute. The system can access by every students/ faculties/ employees of the institution through internet connected computers or internet enabled mobile devices with the aid of his user name and password. Every user will have a customized home page with his/her profile management facilities. Through links that displays in the home page the user can access different options of the website assigned to him.

**KEYWORDS:** CMS, Management.

### I. INTRODUCTION

The application is the Software Requirement Specification (SRS) for the College Management System for College (CMS) project. The purpose of this application is to describe the functionality, requirements and general interface of the CMS. Most of the college authorities does not have a good software on android which will cover all the relevant information of the college which will benefit the students and teachers. The purpose of College Information Management System is to allow the administrator of any organization to edit and find out the personal details of a student and allows the student to keep up to date his profile. It'll also facilitate keeping all the records of students, such as their id, name, mailing address, phone number, DOB etc. So all the information about a student will be available in a few seconds. Overall, it'll make Student Information Management an easier job for the administrator and the student of any organization.

Here are many matters regarding the college that need to be maintained through the online method with the help of some application. The activities, student details and many matters like this can be better managed by the applications which are capable in doing this task. The college management system application will allow the authorities of the college management to reduce the pen paper work which is a tedious job. The admission details, students and faculty's information, feedback system performance of the students, reviews of the particular colleges, suggestions that can be given in some matters needed for improvement can all be dealt easily using the college management system application. The college management system project report will give the project report of the college management system project.

### II. PROBLEM DEFINITION

To resolve the manual work of collecting feedback from teaching staff/students, knowing about the college information, bus routes, courses availability and circulating the important notification among the users in the application. The college will have the proposed application in their mobiles to reduce the manual work.

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### III. LITERATURE SURVEY

[1] “Web Based Student Information Management”, S. R. Bharamagoudar et al., this paper assist in automating the existing manual system. It can be monitored and controlled remotely. This paper provides accurate information always. All years together gathered information can be saved and can be accessed at any time. The purpose is to design a college website which contains up to date information of the college. That should improve efficiency of college record management.

[2] “Attendance Management System G. Gangagowri et al., this system is used Way to SMS software. This software is used to send SMS easily to their parent’s. This system can store their data about the students and those cares absent student details. It is an efficient method to store the attendance in the Web Site rather than wasting the paper. It also updates the student report directly on the server reducing the faculty’s time on logging from the computer.

[3] “Online Student Attendance System”, P. N. Garad et al, in this project, we gave access to three user i.e. Admin, Student, Others. This project is based on client-server. Here, the serve is Tomcat and client is JSP. In this project teachers or the admin will be filling attendance and sending message to the student who is absent. They will have privilege to fill attendance form, update attendance form, send message to the guardian’s account whose child is absent, also those attendance is less than 75%, and they also have privilege to send message to the students whose fees are pending. He staff can also view the message whenever they want and also can modify the details of students. Parents have privilege to view attendance and to view message sent by the teacher. Students also have their account with the privilege to view message sent by the subject teacher and to view the attendance.

[4] “Web Based Coaching Institute Management System”, Mayuri Kamble et al, “Coaching Institute Management System” software developed for an institute has been designed to achieve maximum efficiency and reduce the time taken to handle the storing activity. It is designed to replace an existing manual record system thereby reducing time taken for calculations and for storing data. The system is strong enough to withstand regressive daily operations under conditions where the database is maintained and cleared over a certain time of span. The implementation of the system in the organization will considerably reduce data entry, time and also provide readily calculated reports.

[5] “Classroom Attendance Application”, Pranjul Kharel et al, the scope of the project is the system on which the software is installed, i.e. the project is developed as an ANDROID application, and it will work for a particular institute. Android is a mobile operating system (OS) based on the Linux kernel and currently developed by Google with a user interface based on direct manipulation. RAD approaches to software development have put less emphasis on planning tasks and more emphasis on development. It has revealed that an online system for recording and reporting students ’attendances is indeed a needed application in order to make the process more efficient and time-saving where more than 70% of the sample group agreed to that matter.

### IV. METHODOLOGY

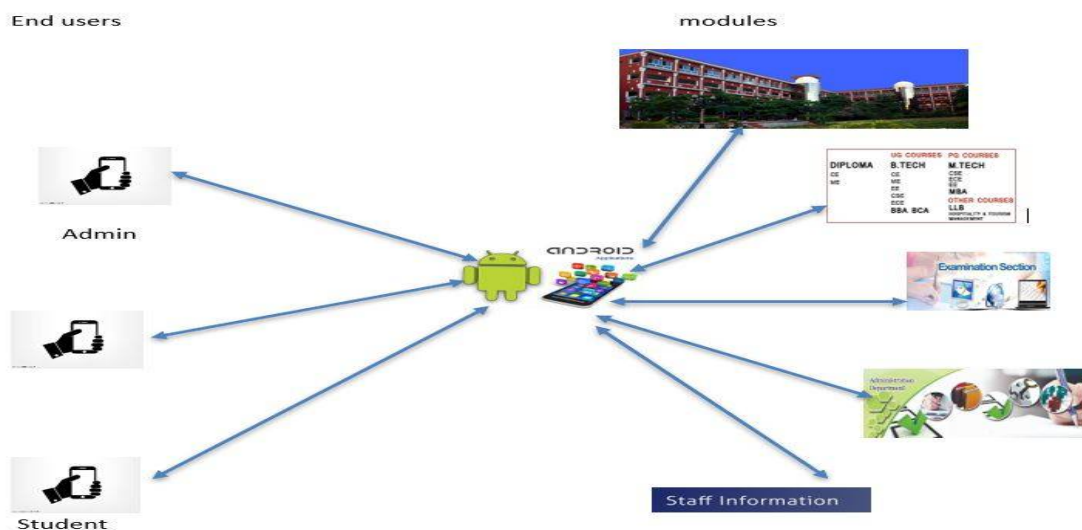
This project mainly used for college management. This project we use many operations for keeping record. We use college department and staff registration form, search form and their management form of college. In this project we need to fill up the basic information about the student and college into the registration form, total qualifications, percentages, current & permanent address and student attends and staff salary and result, all of college record managing etc.

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The College Management System project is aimed at developing an online application for the College Management System Dept. of the college. The system is an online application that can be accessed throughout the organization and outside as well with proper login provided. This system can be used as an application for the HOD of the college to manage the student information and college information with regards to college management. College department and HOD logging should be able to upload their information in the system. Visitors & Institute college staff representatives logging in may also access/search any information put up by Students & Staff record – Converting Details regarding staff. Panels are available Covering Details regarding Institute & faculty and these three users have their own rights and authorized to be done. when any student take admission in college then admin give a unique student id & password for student and admin give a unique parents id & password for parents. And if any mentor or faculty is been changed and new faculty is Join College then admin also provide them the login id and password. And then these three types of user (admin, mentor, and faculty) can login in college panel and perform their tasks.

## V. CONCLUSION

The application Integrated ERP solution for educational institutes is successfully designed and implemented to reach the objectives and the features. The application provides appropriate information to users according to the chosen service. The project is designed keeping in view the day to day problems faced by a college. Deployment of our application will certainly help the college to reduce unnecessary wastage of time in personally going to each department for some information.

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