

# Web Application ERP for College Management System

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**Abstract:** College ERP system provides a simple interface for maintenance of different student, department, faculties, library and others information. All the colleges usually have a number of departments and education all modules such as courses, seminar hall, etc. Managing all these departments and other modules Manually is a very difficult and hard, ineffective and expensive task. So here we propose an ERP system for college. Our college ERP system has information about the students, teachers, events, library, departments and other respected information. The system allows the admin to add students, faculties and any other events. Our system allows a faculty to enter or input student's attendance into the data base which can later be viewed by students and faculties. The students can view his/her attendance through a separate student login. The admin can upload the time tables for various departments for exam preparation. The time table is then available to be viewed by faculties and students on the web portal. These systems have easy user interface and have powerful data management system which makes this system is very useful.

**Keywords:** Admin, College, Database, Faculty, System, Students.

## 1. Introduction

Enterprise Resource Planning (ERP) college web application is the one kind of web application which integrates all the modules and functionalities of college system on a single system that can be handled by the administrative head and access by the students and faculties with valid user id and password. As we know that, a college consists of different departments, such as course departments, fees management, library, event management etc. Nowadays applications and uses of information technologies is increased as compared to before, each of these individual departments has its own computer system to do their own functionalities. By having one main system they can interact with each other from the irrespected system by having valid user id and password. The main goal of the entire system is to provide a user-friendly interface and powerful data system which make this system more useful. The College ERP system computerizes all the details of the college system which are updated by admin only can access by the students and faculties. ERP on college management system reduces the most of the human work that are done earlier to managing the college system. Once the details are entered into the system by the authorized person then there is no need for other users to deal with separate section. Only a person that is

having an administrative authorization is enough to maintain all the reports and records of the system. The security can also be provided as per the requirements. The main thing is that our system reduces the human works at a great effort. It can be helpful such that

- Records are always updated.
- Manpower is decreased or reduced.
- Large amount of data regarding college and their modules can be stored.
- Accurate and perfect calculations are made.
- Maintenance of file is efficient and flexible.

## 2. Purpose

The purpose is to designs software for college database which contains up to date or accurate information of the college. That should improve efficiency and flexibility of college record management and to provide a common and or simple platform for everyone to access the student's information.

### A. System architecture

- *Department Information:* This module gives the information about, [1]
- *Course:* This contains the information about the number of the courses offered by the college and number of seats present in each.
- *Staff:* This contains the number of staff available in each department.
- *Student Information:* This module gives information about, [2].
- *Profile:* This provides personal details of the student.
- *Attendance:* This shows the Attendance of students.
- *Marks:* This shows the internal/external marks of a respected student.
- *Feedback:* By this student gives their feedback to the management
- *Remarks:* Shows their marks given by the teachers to a student according to their performance.
- *Faculty/Staff Information:* This module deals mainly with, [3].
- *Profile:* This provides personal details of the staff.
- *Attendance:* This shows the Attendance of

- faculty/staff.
- *Feedback:* Faculties/staffs give the feedback to the management.
- *View Student Details:* This shows the student details to the teachers.
- *Examination Form:* This gives the information about the issue of the examination form. [4]
- *Administration:* This module deals mainly with,
- *Admission:* This mainly deals [5]. Registering the students/staff and assigning them with a login id and password.
- *Library management:* deals with, Issue books [6]
- Update books collection according to requirements
- Late fine.

- Safe and secure of data or information and files.
- Lowering the task wait
- Increasing efficiency Better control
- Real time reports
- Better student relations

**B. Disadvantages**

- The success depends on the skills and experience of the workforce, including education and how to make the system work properly.
- Sharing internal information between department scan reduce the efficiency of the software.

**4. Conclusion**

Title of the project as College Management System is the system that deals with the issues related to a particular institution. It is the very useful to the student as well as the faculties to easy access to finding the details. This project is successfully implemented with all the features and modules of the college management system as per requirements. The college ERP provides appropriate information to users based on their profiles and role in the system. This project is designed keeping in view the day-to-day problems faced by a college system.

**References**

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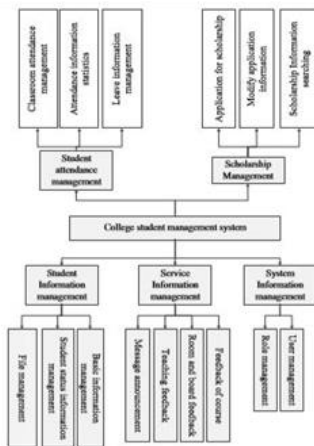


Fig. 1. System architecture

**3. Advantages and disadvantages**

**A. Advantages**

- Easy access to find out the details.