



College Management ERP System

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Abstract: The purpose of this project was to propose an ERP design for a university administration system that provides a simple interface for maintaining various student, department, faculty, library, and other information. Manage day-to-day activities of the university, including managing staff, students, books and library records, parent details, assignments, admission process, results and reports, exams, events, attendance, class schedules, fees and other reports I can do it. Use algorithms to analyze students based on performance and student placement predictions. The College Management System application provides a simple interface for managing student, staff, and college-related information. Universities can use it to keep records of all students and various employees in various departments.

Keyword: Attendance, Library, Student information, Assignment, Department.

I. INTRODUCTION

ERP stands for Enterprise Resource Planning:

Enterprise resource planning (ERP) is typically business management software or systems used to manage the central departmental data of each company. ERP uses a shared database managed by a database management system to provide a consolidated view of business processes, often in real time. ERP systems track business resources (raw materials, cash, capacity, and status of business commitments such as pay roll, purchase orders, and purchase orders).

University management system project is implemented in Java platform. College Management System is an Android built-in application that handles various academic and non-academic activities of a college. The system is accessible to all undergraduate/faculty staff using an Android phone and via the Internet using an email ID and password. Each user of the University Management System has a different home page at each level. B. Students are on another level and teachers are on another level. From this menu that appears, users can access various options for the applications assigned to them.

University Management System can be used to manage data from all kinds of educational institutions. It supports both standalone and network environments. The application reduces as much as possible to avoid errors during data entry. No formal knowledge is required for users to use this application. Thus providing a user-friendly environment for every.

II. REVIEW OF LITERATURE

College Management System helps you automate your existing manual systems. This is paperless work. Can be monitored and controlled remotely. Reduces the effort required. They always provide accurate information. Fraud can be reduced. It stores information collected over the years and can be recalled at anytime. The data stored in the repository helps management make intelligent decisions. Therefore, it is recommended to have a web-based information management system. All stakeholders, faculty and management have the information they need without delay. The system is integral to the university/hostel and university ERP and promises to provide a convenient, easy and secure way to handle the university's business functions.

III. PROBLEM STATEMENT

In Existing System for managing various modules such as Student module, Administrative module and Exam cell etc. takes lot of paper work as well as time. The existing system which we using in our college is traditional process is a complete manual process. To Reduce to override the problems prevailing in the practicing manual system we develop Our College Management System.

VI. PROPOSED SYSTEM

The block diagram for the proposed system of ERP for college management is show below:

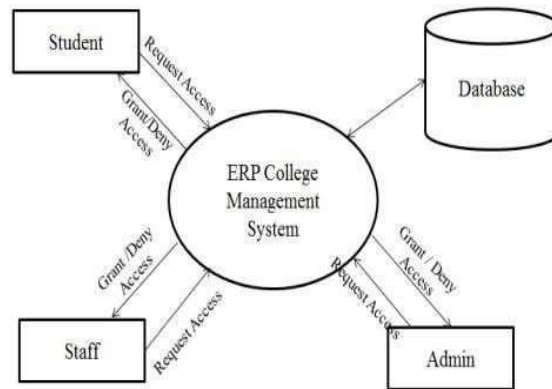


Figure 1: ERP System for College Management

It also helps you easily maintain data and records. The proposed system reduces paperwork, manual work. Helps analyze student placement. You can also access university results databases for complete comparative results analysis. Upload academic project reports for student reference. Student performance analysis for placement prediction. This saves time, reduces workload, and allows all students to view reports by simply logging in with the profile.

V.SYSTEM DESIGN

The system has three functional components: administrators, students, and staff. Both faculty and students must be logged in to access information. In this system, administrators are given top priority. The main function of the admin is to add employees and manage the database her dashboard. Administrators provide credentials to employees. A student's primary function is to register an account and log into the system. When students log in, they see various menus they can use to perform tasks associated with their profile, such as: B. View Notifications, View Tasks, View Progress, Office Related Tasks, Library Related Tasks. The employee module is further divided into sub modules. The employee module's primary function is to log into the system and perform tasks associated with the profile. B. The Teacher profile has task-related lessons, the Hod profile has task related departments, and so on.

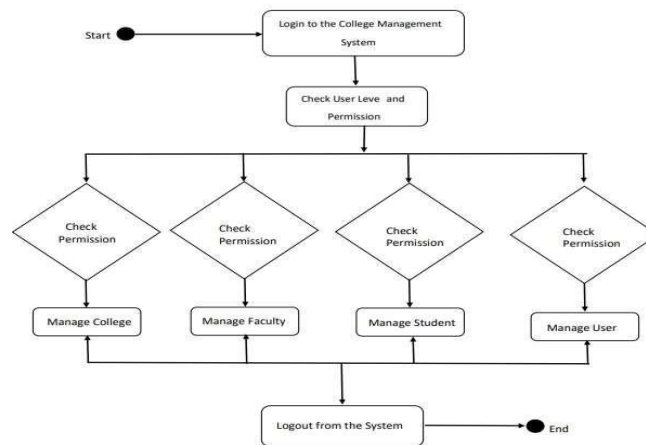


Fig 2: Activity Diagram for College Management System

Modules

The System is implemented in java and consist of three modules:

1.Admin Module -: This is the main module of our university management system. It plays a very important role in the university management system. This module contains the main enrollment part of employees in the higher education system. This is the main task of the system as it must maintain security. The administrator creates an employee account with her email address and password. These created accounts are saved by department and job title. Administrators are a top priority in our university's management system. Administrators have full access to the database. You have the authority to view, edit, and delete information.

2.Student Module -: Student module allows you to store all personal, academic, professional and historical data of students and their parents. Manual college administration systems face the problem of keeping student records. Send assignments and notifications to students and others. In this student module you will have the opportunity to register an account in the university administration system and use your data. This data of enrollers is stored according to the department there. After students complete their registration, they will have the option to log in there using their registered email address and password. If the student does not have a password, the system has a forget password option in the registration email. After logging into their

account, students have many options regarding sections such as assignments section, notifications section, office section, library section, profile section, etc. The main part of the student section is the full profile section, which is the first part you need. Once a student completes the profile portion, the University Management System creates student accounts in various sections such as the office section, the library section, and the bus section if the student has bus facilities and a hostel section. This is also up to the student. All student data is maintained by department, year, and current year. The student module has the possibility to update the information.

3. Staff Module -: The registration part of the staff in the university management system is done by the administrator. This module contains only the login part using the email id and password provided by the administrator. The system may forget your password. This module is further divided into a sub module called College.



VI. CONCLUSION

The University Management System project is a system that deals with the topic-related manuals University Management System. The project is a successful implementation with all the features required for a university. The application provides the user with relevant information depending on the selected activity. This project was developed keeping in mind the everyday problems faced by manual university administration systems. By using our university management system, universities can reduce unnecessary time wastage while working with manual university management systems.

The system is user-friendly, highly interactive, and flexible for further expansion. The system will generate reports as needed. Coding is done in a simplified and understandable way.

References

1. W3School HTML/CSS Tutorials References and <http://www.w3schools.com/>. (W3School is not related to W3C).
2. PHP Language References @<http://php.net/manual/en/langref.php>.
3. Wenjie Yang, Haoxue Liu, Jie Shi, "The Design of Printing Enterprise Planning (ERP) Software" IEEE-2010.
4. Xia Hu, Min Zhou, "The Three-dimensional Teaching Mode of ERP Course in Colleges and Universities", IEEE-2011.
5. Tutorial point Book <http://www.tutorialspoint.com/>
6. Java and software design concepts by Apress
7. Sun, A., A. Yazdani and Overend, J (2005). "Achievement assessment for enterprise resource planning(ERP) system implementations based on critical success factors." *Int. J. Production Economics* 98: 189-203.
8. Brukhanox V M, Kiselev VI, Timchenko NS, Vdouxin V M, Monitoring the Opinions of Parents of College Students as a Component of the Institution'S In-House Education Quality Management System.