

College Management System

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Abstract - This document aims to develop an online college management system (CMS). This relates to educational institutions or universities. (CMS) is an intranet-based application that can be accessed across institutions or specific departments. This system can be used to monitor college attendance. Students as well as her staff who log in can access and search all her information about the university. Staff and student attendance and student grades are updated by staff. This system "C.M.S" is developed for engineering schools to manage and facilitate easy access to information. This requires the user to be registered with her system. The user can then access and modify data as her according to the permissions granted. CMS is his intranet-based application intended to provide information to all management levels of an organization. This system can be used as a university knowledge/information management system. For certain students/staff (technical/non-technical), you can access the system and upload or download some information from the database.

Key Words: Attendance, lectures, hostel, transport, admission, fees

1. INTRODUCTION

The title of the project is "COLLEGE MANAGEMENT SYSTEM" (CMS). A CMS is defined as an intranet application that covers all levels of management and provides information within an organization. This system can be used as a university information management system. For a specific student/staff (technical/non-technical), the administrator creates a login ID and password for the student/staff (technical/non-technical) to access and upload to her system or to be able to view information from upload or download databases. The frontend consists of HTML pages for client-side validation using PHP, and all business logic is placed in the middle tier with PHP. The third tier of databases interacts with these tiers, which are MySQL databases.

2. LITERATURE SURVEY

College Management System is enterprise administration software program or a machine that is commonly used to manipulate core departmental records of institute, in real-time, the usage of frequent databases maintained by way of database administration systems. CMS gadget tracks enterprise resources for institute. Every Institute has to preserve a administration gadget for more than a few sections which may additionally encompass overall performance analysis, attendance system, test-wise results, scholar information, price structure, tutorial information, transport facility, group of workers information, and many more. Managing all these sections manually on paper will become a very time-consuming and complicated task. In

such a device there is a excessive opportunity of misplacement of gathered information and information redundancy in the shape of paper archives to overcome these drawbacks there is a want to graph and implement College an College Management System. A College Management System is an on-line web-based gadget that implements a common and fascinating interface for college. The purpose of the deployment and implementation of this machine is to substitute the guide device of schools with an automatic web-based system. This College Management System additionally manages facts precisely and effectively which is saved over a lengthy period. The College Management System affords a single get entry to factor to all administrative structures of colleges. In preceding systems, all the departments labored independently and separately. If all and sundry desires to get admission to those records together then it is now not feasible with such systems. A gadget learn about of such a machine indicates that all the reserving used to be executed manually on registers, which used to be a very intricate job. Report era of all data used to be additionally now not viable in the present system. Also, the work of the university was once manually maintained and stored. All these statistics is maintained thru a register or file device in the college. The modern mode of working is primarily based on a manual gadget in which all the records is first acquired from respective personnel and then entered in the registers or files. It is a very complicated job and time-consuming also. The current machine is additionally structured on college students if the college students are absent. The overall performance of college students will be affected. Due to a large quantity of data, many troubles are concerned in maintaining, updating, and retrieving chosen information. Since the preceding machine is maintained manually, some of the difficulties worried in the current device are as follows: -

1. Redundancy of data.
2. Difficulty in updating the data.
3. non-centralized data.
4. Delay in retrieving information.
5. Problem with maintaining the data.
6. Proper retrieval of records is needed.

3. EXISTING SYSTEM

The system currently in use has some shortcomings that need to be improved for better performance. We don't have enough feedback systems. Technology is evolving day by day and it is necessary to use this technology in order to get efficient results in a reasonable amount of time. All attendance management in the current system is done on paper. All session attendance is kept in a register and a report is generated at the end of the session. At the end of the session, students who have not reached 75% attendance will receive a notification. This is a very time-consuming process. In the current system, results are displayed on the bulletin board. It requires a lot of paperwork and is time consuming. Universities can't even send emergency notifications to students in an emergency.

A. Shortcomings of the existing system

The existing system is not user-friendly because the data acquisition is very slow and the data is saved manually. Generated at the end of the session because generating the report requires additional calculations such as attendance calculations, percentage calculations, etc. Therefore, it takes longer to display the report. With this existing system, documents can be misplaced or lost. This creates additional work for the administrative department.

4. MAIN MODULE OF THE SYSTEM

- 1) Student Module: This module is used to store student documents. It contains the following information: H. Profile details, contact information, educational details, etc. of students. A user can search for students from the database by various her criteria such as name, course, role number, etc.
- 2) Administration Module: The first step in this application is to enroll staff and faculty. You must register first. After that, you don't have to provide your ID and password to log in.
- 3) Admin Login: After registration, admin can login. An administrator can now view the administrator's home page with her options for recording attendance, uploading results, and sending notifications to students. You can also view the attendance list and upload results.
- 4) Faculty and Student Attendance: The University Management System should include this module for checking faculty and student attendance. Record daily attendance and activities for everyone on campus. Attendance data is stored in a collage database. The generated data is saved for future use.
- 5) Course Module: The Course and Course Management Module handles course assignments for each course offered by College. This module also includes a schedule for each subject and instructions covering each subject.
- 6) Check Notifications: These notifications allow faculty and staff to receive important announcements and meeting information from HOD or administrators.

5. REQUIREMENT ANALYSIS

A. Hardware Requirements

- 1) Intel i3 processor or above.
- 2) At least 4 GB of RAM.
- 3) Standard keyboard and mouse.

B. Software Requirements

- 1) MySQL server.
- 2) XAMPP server.
- 3) PHP.

6. BENEFITES OF PROPOSED SYSTEM

- A. This management system is very simple and simplifies and speeds up the results preparation and management process.
- B. Students don't have to check the bulletin board every day, so everyone can keep up to date with the latest information.
- C. This project provides functionality for all existing versions of the system.

7. GENERAL DESCRIPTION

User Characteristics: The target audience for the CMS product is students/staff (technical/non-technical). This system users is administrator - system superuser.

Student - User with limited access rights.

Staff - A normal system user with more access than the users. Product Outlook The product is a standalone application that can be run on multiple systems within an intranet network. The product requires a keyboard, mouse, and monitor to communicate with the user. The minimum hardware requirements for the product are specified in this document.

Feature Requirements Summary The client must have the following features.

- Staff can view student details.
- A mechanism to uniquely identify each student
- Students can view their grades/attendance/exam schedule.
- The system requires a login.
- The system should have a help function.

CONCLUSIONS

The project titled "**College Management System**" is a system that deals with issues related to a specific institution.

- ☐ This project has been successfully implemented using all features mentioned in the System Requirements Specification.
- ☐ The application provides the user with appropriate information depending on the service selected.
- ☐ This project is designed to consider the everyday problems of the institute.
- ☐ This system greatly simplifies and speeds up the administration process. Administrators, teachers, or students can perform all tasks very easily and conveniently. This system offers reliability, safety, time savings and easy control.

ACKNOWLEDGEMENT

It offers a huge satisfaction to provide paper on the a success of entirety of our task and paper paintings on "College Management System". We specific our deep experience of gratitude to our manual "Dr. Amol Potgantwar" for his treasured steering rendered in all levels of task and paper. We are grateful his wholehearted assistance, recommendation and professional steering closer to making our task and paper success. My unique way to reputable Principal and Head of Department for his or her eager interest, inspire and wonderful support.

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