

Website of College Management System

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Abstract

The College Management System is a web application that allows us to access the total information about the college, staff, students and facilities. In this application, we can get the latest information about the student and staff. This application will maintain the students' course details, fee structures, syllabus, and timetables. The administrator will maintain the applications, and he can generate the fee payments, leave reports etc.

College Management System deals with student details, academic-related reports, college details, course details, curriculum, batch details, and other resource-related details. It tracks all the details of a student from day one to the end of his course, which can be used for all reporting purpose, tracking of attendance, progress in the course, completed semesters years, coming semester year curriculum details exam details, project or any other assignment details, final exam result. All these will be available for future references too.

Our program will have the database of Courses offered by the college under all levels of graduation on main streams, teacher or faculty's details, batch execution details, students' details in all aspects. This program can allow us to explore all the activities happening in and know which teacher /faculty is assigned to which batch, the current status of a batch, attendance percentage of a batch, and upcoming requirements of a batch. Different reports and Queries can be generated based on students' vast options, batch, course,

teacher /faculty, exams, semesters certification, and even for the entire college.

The main aim of developing a College Management System is to provide an easy way to automatically all functionalities of a college and provide full functional reports to the college's top management with the finest of details about any college aspect.

Keywords: - College Management System, Information technology, Internet, MySQL Database

INTRODUCTION

In the modern world of technology, computers are affecting our lives in more ways than we probably are aware of. COMPUTERIZED MANAGEMENT, maintaining information of educational institutes, colleges, other the list is endless. This project specified all working that taken by a college manager. If the manager wants necessary information, he checks the information about a student, staff, worker etc. It is difficult to prepare the manual work to store the information about all students and teachers to prepare the manual work to store the information using a computerized system.

A college management system enables colleges and higher education to manage enrollment, admissions, students, faculty, attendance, fees, scheduling, assignments, grades, and the institution's library. It

generates automated reports on all aspects of data-driven decision-making. The main objective of developing the project is to make the College Management System simple and provide user-friendly access to this program to all the college staff members and students to locate and reply to the queries concerned to them.

This Software provides a user-friendly interface for the user, and it reduces data redundancy. Centralized information is available, which can be accessed by a number of users. In manual College Management System, they have to maintain all records manually, which involves record-keeping of student, employee, course, employee salary and attendance, library books and their transaction. This new system will replace the entire manual task with a computer-based system.

The idea of developing ‘College Management System’ is an education institute where the work is being done manually, and all data is stored in registers and paper files. All the data is stored as a physical record, so it is very difficult and time-consuming to search for any specific record. The institute admin is fully dependent on staff to manage institute recorded. When any new student comes in the institute for registration, all his detail is stored in these registers.

If overcome this entire problem due to manual work, this College Management System project is developed. This is an attempt to create a computer-based “College Management System” that will replace all the manual work being done in the institute. This project is simple to use and fast. This system is developed by keeping the general requirement of education institutes. All the records like students, employees, and books record are stored in a database. Each record has a unique id by which these can be searched later on.

This College Management System project developed using specific programming languages. The main aim of this project is to develop an online website which covers all the details. Marks details. Photo

gallery, etc., admin is the Superuser of this project.

All the report stores in MySQL Database. The proposed software will also reduce the cumbersome paperwork, manual labor as well as communication.

Existing System

In the existing system, everyone must go to the college campus to get the college, courses, fee and time tables, etc. The existing system consumes much time to get any information about the colleges. There is no security for the college files, and to keep them secure, we need to maintain the database. But, there is no online algorithm.

Proposed System:

To solve existing system drawbacks, we develop a time-efficient application named “College Management System”. Using this application, any type of user, staff, and administrator can log in to the system and perform their desired action in this application. The proposed system provides high security to the college information, including student and staff details.

Advantages

- The application can be accessed through the internet

- User-friendly application
- Any time can visit this application
- No need to visit the college for getting college information

Disadvantages

- College have limited time per a day
- Time-consuming process
- Less security to the college information
- We cannot create manually for all file within the time

Module Description

• Administrator

The administrator can view and edit his own profile. He can register the new students and faculty into the application. The administrator can manage the account

details, and also he can generate the fee payment reports, leaves and academics.

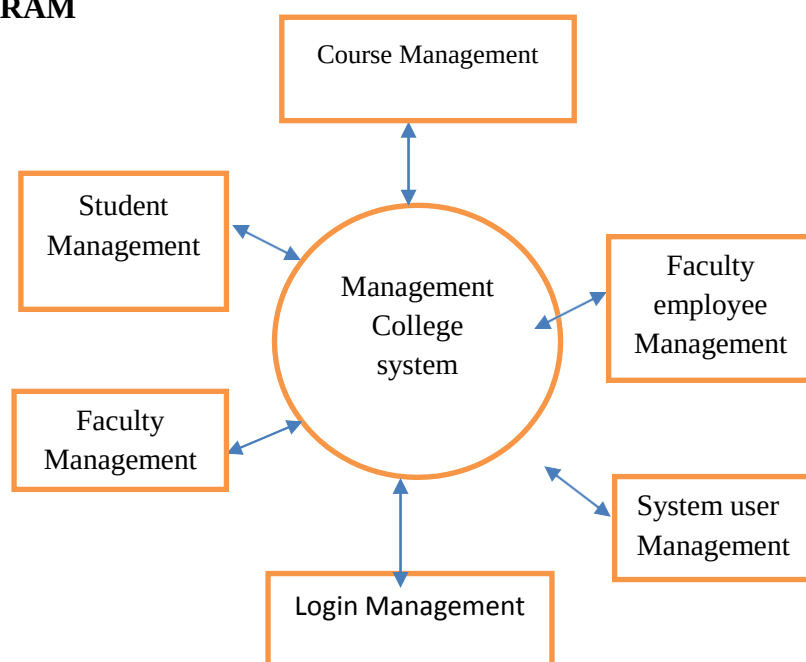
• Students

The student can add the administrator to the application. After login into the application, the student can view, edit and update his profile. The student can apply for leave and view its status. The students can pay the fee in this application and view their academics.

• Faculty

The faculty can view, update or edit his profiles in the application. The faculty can search for the student leaves, and he can approve the leaves. The faculty can update the student's academics.

BLOCK DIGRAM



SYSTEM REQUIREMENTS

Hardware Requirements:

- Processor - Pentium-IV
- Speed - 1.1 GHz
- RAM - 256 MB (min)
- Hard Disk - 2 GB
- Key Board - Standard Windows Keyboard
- Mouse - Two or Three Button Mouse
- Monitor - SVGA

Software Requirements

Operating System - Window XP/7/8

Programming Language - Java

Front End - JSP, CSS, HTML

Technology - Servlets

Back End - MySQL

Application Server - Tomcat

CONCLUSION

The above features the detailing, description and facilities from College Management System. The addition, deletion and modification of various details for various forms like Admission form, Staff Detailing, Report Cards etc., are very user friendly, simple and easy. It is aimed at overcoming the shortcoming of manually operated systems. The quality factors like correctness, reliability, efficiency, usability, testability, maintainability, portability, accuracy, errors, tolerance, expandability and

communicatively are all successfully met. Validation certification was done to see that the package conforms to standards.

REFERENCES

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