AUTOMATION MANAGEMENT SYSTEM

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ABSTRACT

AUTOMATION MANAGEMENT SYSTEM (ERP) provides a simple interface for maintenance for student information. It can be used by educational institutes or colleges to maintain the records of student easily. The creation and management of accurate, up-to-date information regarding a student's academic career is critically important in the university as well as colleges.

Student information system deals with all kind of student details, academic related reports college details, course details, curriculum, batch details, placement details and other resource related details too. It will also have faculty details, batch execution details, student's details in all aspects, the various academic notifications to the staff and students updated by the college administration.

It also facilitate us explore all the activities happening in the college, different reports and queries can be generated based on vast options related to students, batch, course, faculty, exams, semesters, certification and even for the entire college the placement officer is responsible for updating the placement related information like eligible criteria for a particular company, arriving date of the company which is coming for recruitment, the list of students who are eligible for attending the recruitment process.

E-Library (also referred to as digital library) is a special library with a focused collection of digital object. It is a fully automated and all resources are in digital from and access to information available is provided.

Keywords: automation management system, erp, Student, Admin, Staff, Attendance

1. INTRODUCTION

The plan and execution of an exhaustive College Data Management System and UI is to supplant the current paper records. School Staff can straightforwardly get to all parts of an understudy's scholarly advancement through a safe, online interface implanted in the school's site. The framework uses client verification, showing just data vital for a person's obligations.

Furthermore, each sub-framework has verification permitting approved clients to make or refresh data in that subsystem. The framework includes an unpredictable logging framework, When the admin logins through he has the complete control of the System whether it would be of staff or understudy. Disconnected frameworks by and large don't need the utilization of any intricate segments.

To keep up the record of universities, understudies, assessment and result, the school the board framework readies the record for every office, demonstrating the all-out number of schools and understudies. It additionally monitors any adjustment vital related to students and colleges, and produces regular reports for the organization giving the total information required.

2. EXISTING SYSTEM

But keeping track of all the activities and their records on paper is very cumbersome and error prone. It also is very inefficient and a time-consuming process observing the continuous increase in student head count. Recording and maintaining all these records is high unreliable, inefficient and error-prone. It is also not economically & technically feasible to maintain these records on paper.

3. PROPOSED SYSTEM

Providing the online interface for students, faculty etc. It increasing the efficiency of college record management and decrease time requirement to access and deliver student records to make the system more secure decrease time spent on non- value added task.

4. LITERATURE REVIEW

The system provides guidance to the admin to keep track of each student. The admin has the access to the database of system.

In an educational institute management is crucial thing. So in order to reduce the efforts of staff we are introducing our system. The system comes on with much functionality like voting event details, feedback, news line etc.

It provides an additional feature newline that helps the student to get department newlines and reports (achievements, toppers). It also provides the voting feature so that manual work is reduced. This system is paperless system. System provides functionality for student to application where in admin can manage, student can access uploaded notes, course details. Student will get the event details through sms. Overall manpower and reduces the time required.

5. RELATED TECHNOLOGY

Different technologies are used to develop this application. The technologies are GPS, Android, XAMPP, PHP and MYSQL. Familiarization of these technologies is given below:

A) ANDROID

The Android operating system is made-up of a virtual machine that runs on the Linux kernel, plus APIs and built-in applications. The open source code under the Apache License is released by Google. Additionally, Android has a large community where developers write application in a customized version of the Java programming language primarily [Meier and Reto (2012)].

B) XAMPP

XAMPP contains Cross platform(X), Apache(A), MariaDB(M), PHP(P) and Perl(P). In both a full and a standard version, self-contained and multiple instances of XAMPP is offered. Without any access to the internet XAMPP is used as a development tool and web server solution stack package to allow website designers and programmers to test their work on their own computers [Dvorski and Dalibor (2007)].

C) PYTHON

Python is a high-level, interpreted, general-purpose programming language. Its design philosophy emphasizes code readability with the use of significant indentation. Python is dynamically-typed and garbage-collected [Guido van Rossum (1991)].
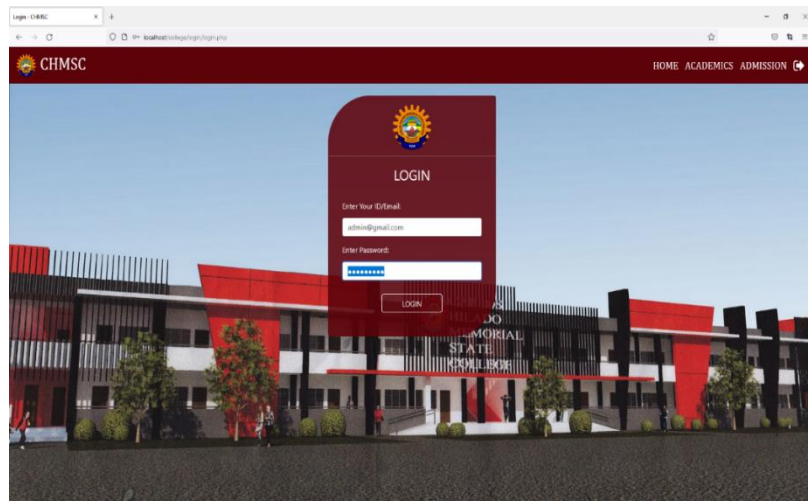
D) MYSQL

"My while SQL" is the shortening for structured query language. MYSQL is an open source relational database management system (RDBMS) which is introduce in July 2013. It is the world's second most extensively used RDBMS and most extensively used open source client server model RDBMS. [Meloni and Julie (2012)].

6. IMPLEMENTATION AND SCREENSHOT

Login:

Admissions:

Admin Dashboard:

Academics:

Students Attendance:

7. CONCLUSION

This gateway is utilized by the administrator so there is no information spillage and it can took care of safely. Conveying such a product to the division it assists with occurring task effortlessly and that is the reason it diminishes time, cash on labour and endeavours. we have occasion module through which understudies to get the notification of impending occasions. What's more, understudies can give criticism about happened occasions in the office. Understudies can choose GS, LR, CR in the democratic module. It is an open source application with the goal that others can alter and change this framework application as per their requirements can be a future improvement in task.

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