

## Web-Based Staff Monitoring System

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### **Abstract**

The Web-based staff monitoring system using PHP and MySQL is a web-based application. Staff Monitoring System Project is a website that is helpful for students as well as the college authorities. Our online Staff Monitoring System in PHP deals with the various activities related to the students. The primary aim of the project development is the computerization of the college process between Students, and staff in the institution. It develops to easily maintain the details about the information of college students and staff. The system satisfies the requirements of the Environment of the college details need. The system also focuses on the changes in the given information. This project is related to the management and the staff list, student list, syllabus list, then the timetable list all can be used to maintain and take the reports.

**Keywords:** Staff Monitoring, Admin Login, the Student login, Discussion Forum, Inbox, Syllabus list, and Time table list, Staff Registration, and Student Registration.

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### **I. INTRODUCTION**

This Web-based Staff monitoring system project in PHP focuses mainly on dealing with students and teachers regarding their pieces of information, attendance, syllabus, and other information. Additionally, the system displays all available data, such as a list of students, a list of staff, timetables, discussion boards, and an inbox. Admin Login, Student Login, and Staff Login are the three sections of the project. In this web app's overview, the administrator has complete control over the system and has full access to it. Reports can be generated to provide better information on various key functions, such as controlling teachers and students. The Staff Monitoring System is a web-based application built with PHP and MySQL. The Staff Monitoring System's goal is to create a web-based application for verifying online staff availability. This application allows institute teachers to update their availability and verify the availability of other faculty members. This tool also allows students to check staff availability and examine the staff schedule.

### **II. LITERATURE SURVEY**

Lalit Mohan Joshi entitled "A Research Paper on College Management System" This paper explains, that this paper is aimed at developing an Online Intranet College Management System (CMS) that is of importance to either an educational institution or a college. The system (CMS) is an Intranet based application that can be accessed throughout the institution or a specified department. This system may be used for monitoring attendance for the college. Students, as well as staff logging in, may also access or can search any of the information regarding college. Attendance of the staff and students as well as marks of the students will be updated by staff. This system (C.M.S) is being developed for an engineering college to maintain and facilitate easy access to information. For this, the users must be registered with the system after which they can access as well as modify data as per the permissions given to them. CMS is an intranet-based application that aims at providing information to all levels of management within an organization. This system can be used as a knowledge/information management system for the college. A given student/staff (technical/non-technical) can access the system to either upload or download some information from the database.

Enefiok Etuk, Uzochukwu Onwuahu entitled "An Android-based Employee Tracking System" was published in 2016 in the International Journal of computer applications. This paper explains, in this paper, an employee tracking system based on the Android operating system was developed. All the activities of the Employee will be monitored using this system.

Scheduling information and time-off requests are often considered part of personnel tracking; as this information will enable managers to know when employees are expected to actually be in the office or other work areas. This system is really very helpful for the managers to monitor their employees through mobile phones. It was implemented using the JAVA programming language, and the result was stored in the SQLite database. An

object-Oriented Analysis and design (OOAD) approach was adopted which consists of well-planned iterative steps. Data was collected using document analysis and field methods and the application of relevant analytical methods like bar charts was used to interpret the facts collected. The developed system was able to increase productivity, reduction of cost, instant access to employee attendance records.

Symon Lubanga, Winner Chawinga, Felix Majawa, and Selina Kacondra’s “Web-based Student Information Management System in Universities” was published in May 2018 at the Standing Conference of Eastern, Central, and Southern Library ARY and information Associations (SCESCAL) At Uganda. This paper says, Over the past few decades, universities all over the world have been experiencing new paradigms in the way they handle and manage students’ information due to the proliferation of ICTs and their applications such as web-based student information systems. With the adoption of such systems as the Online Student Information System(OSIS) in academic institutions, the experience is that it has now become easy to harness and fast track all students’ records in one centralized database via internet technology. While the benefits of OSIS seem to be celebrated, it has been a hustle for most universities in Africa to completely go digital in their operations due to poor ICT infrastructures that seem to be prevalent in the region. In Malawi, a social survey was conducted with the aim of assessing the Mzuzu University Student Online Management System (SOMS) from the perceptive of students. The study applied the principles of both qualitative and quantitative research approaches. The principal data collection methods were questionnaires and follow-up interviews. The quantitative data collected were analyzed and presented using the Microsoft Excel Package. The thematic analysis technique was used to analyze the data collected through interviews. The study revealed that Mzuzu University SOMS has one prime service which is online registration and admissions, with online examination results access, student profile, and finance as add-ons. The system benefits students as it has cut the time spent during registration periods in every new semester. Students faced the following major challenges when using the system; server loads as more students.

### III. EXISTING METHOD

Before we use this system, the students need to go directly to check staff availability. If any staff wants to check other staff availability, that staff needs to go directly to check if that staff is available or not. We can avoid this with our system. In this existing process, we want to find where they are. So, time is more consuming. The syllabus and the timetable are only available at respective classes and the Time table of staff can only view with the help of respective staff, in any case of rescheduling the timetable of staff, The students didn’t know about that rescheduling of time table of Staffs. In case of any emergency, then students want to talk with the staff at any case, Because of limited resource timetable, The students can’t able to locate the staff and are not able to discuss the problem with the staff or main Authority. The database for students only Retrieve in the main office with the help of admin and so far, the syllabus retrieving is also tough to get.

### IV. PROPOSED SYSTEM

Our proposal is meant to overcome the limitations of the existing system. Our suggested method is intended to meet the needs of both college staffs and students. Staffs and Students can use this Web-based staff monitoring system because it is a website. Then a person can easily log in and access the page. He can create a username and password after completing the registration form. The system is completely secure for storing and maintaining information. The admin may have the ability to add and update student and staff information. Student lists, staff lists, curriculum lists, and timetable lists make up the admin side. Individual logins are available for students and staff, with which the rest of the process can be completed.

Processes information more quickly and efficiently. Various tables are used in this proposed system to store separate information, such as the individual login for students. The key benefit of our proposed system is that it is user-friendly. The system should have the required security elements to keep official records safe.

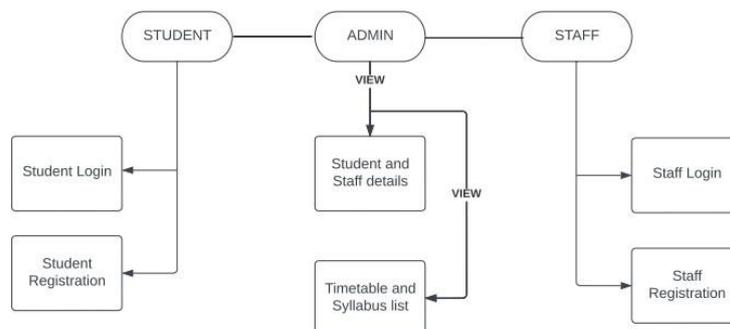


Fig 4.1 flow chart for Proposed System

**Database:**

Student's and staff's information is maintained in a database. MySQL is a widely used database for processing store student and staff data. MySQL is an RDBMS (Relational Database Management System). Most current websites and web-based services use it to store and retrieve enormous amounts of data in a convenient and quick manner. A site-registered user's name with associated password (encrypted for security), Syllabus list and timetable data, for example, are all simple examples of objects that might be maintained in a MySQL database. "Select," "Insert," "Update," "Delete," "Create," and "Drop" are all MySQL commands that can do practically anything with a database.

Many tools can be used to access MySQL. PHP (PHP Hypertext Preprocessor) is a programming language whose main purpose is to change HTML on the server before it is transmitted to a client's workstation. PHP allows a user to submit queries to a database, allowing for the insertion, retrieval, and modification of data in and out of the database.

**V. KEY RESULTS**

**5.1 Admin Login**

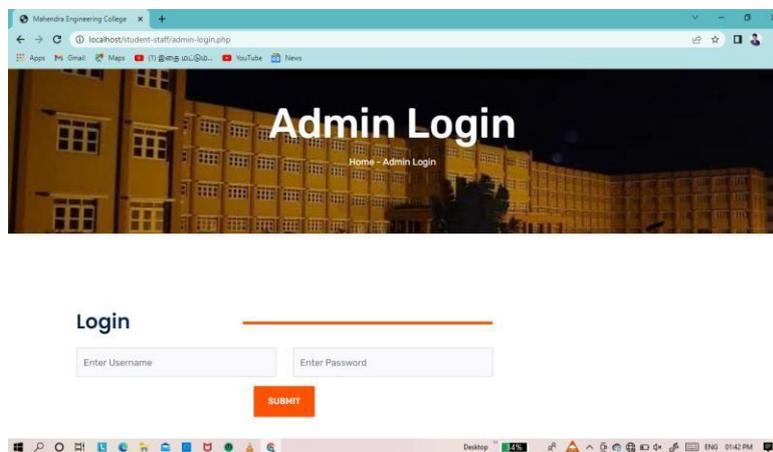


Fig 5.1 Admin login

**5.2 Student Registration**

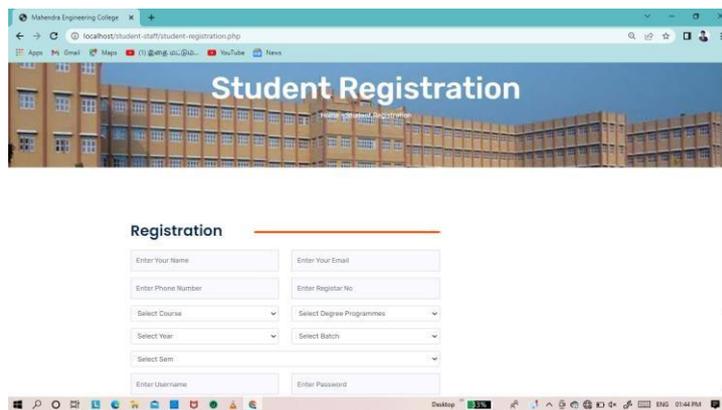


Fig 5.2 Student Registration using student login

### 5.3 Staff Registration

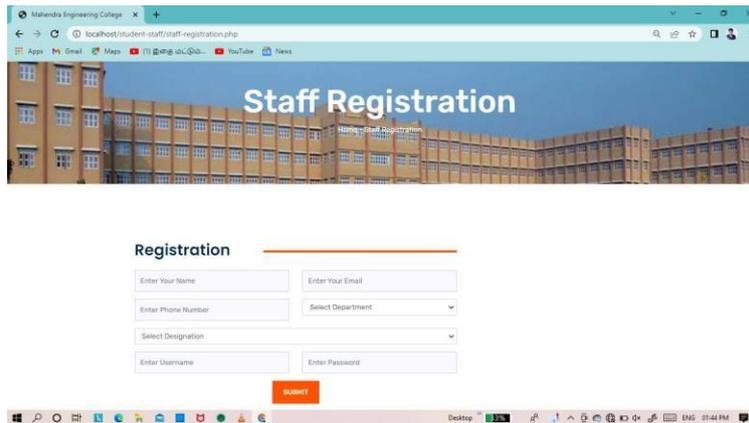


Fig 5.3 Staff Registration using Staff Login

### 5.4 Discussion forum

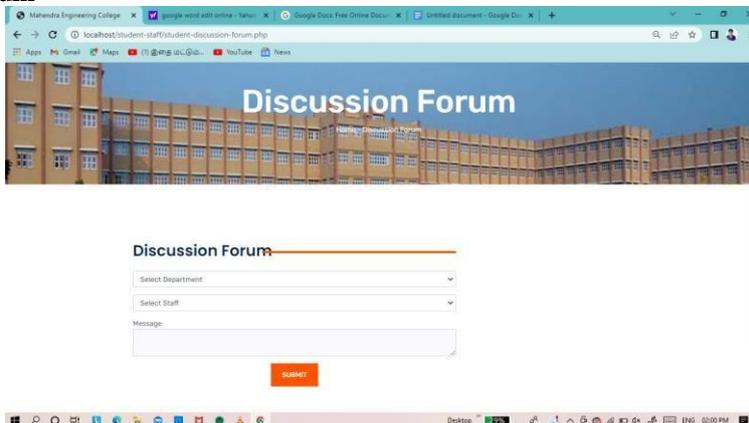


Fig 5.4 Discussion Forum for interaction between student and staff

### 5.5 Inbox

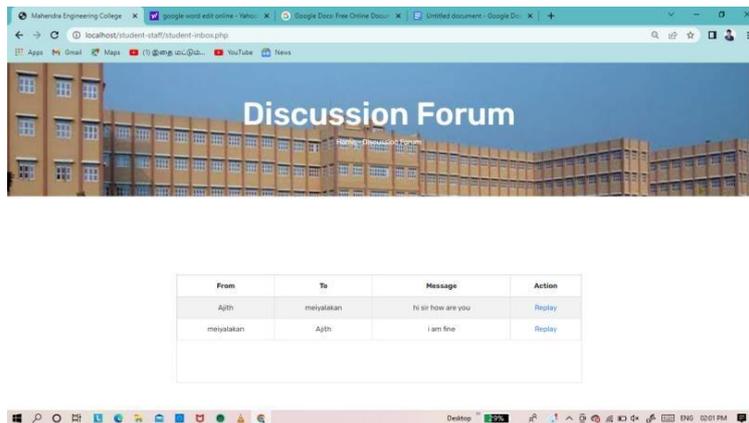


Fig 5.5 Inbox for view interaction

## VI. FUTURE ENHANCEMENTS

The major motivation is to have students and staff engage without having to meet in person. In the future, the work may be turned into an Android application that could be used on any smart device. We can add many types of modules for everyday use in the future, such as attendance tracking, fee management, automatic alerts to parents and students, and so on. This aids educational institutions, particularly colleges, in a variety of ways, including data storage, student profile maintenance, administrative and academic data analysis, improved communication, and student engagement. In the future, a web-based application will allow us to access all information about the college, including personnel, students, and facilities. This software gives you a virtual tour of the campus.

## VII. CONCLUSION

Thus we conclude the student staff management system by creating student details staff details timetable syllabus list which is very useful and important for the management system for every educational institution there for this can be able to access the online where the Republican can be useful for both staff and students on the admin can you able to view easily what are the courses degree programs and syllabus everything can be viewed in the proper list manner and data will not be lost or theft which is a very important feature for the web application. Very advanced concept for the student and staff to know their respective courses degree programs year and the semester.

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