



Student Pass Issuing and Visitor Information Management System

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KEYWORDS

Gate Pass Management system, and card, Database

ABSTRACT

The Student Pass Issuing and Visitor Information Management System is a web-based platform designed to streamline and digitize the process of managing student passes and visitor entries within educational institutions. Traditionally, colleges and universities rely on manual record-keeping and handwritten entry registers to track student out passes and campus visitors, which often leads to inefficiencies, errors, and security risks. The proposed system automates the process by allowing students to digitally request passes, which can be verified and approved by authorized staff members or wardens. Visitors can register their details online or at the entry gate, and their information is stored securely in a database for future reference. The system provides real-time tracking, data analytics, and automated notifications to enhance campus security and operational efficiency. This system ensures transparency, accuracy, and better monitoring of student movement and visitor activity, thus providing a secure and organized environment within the institution.

1. INTRODUCTION

Over the last few years security of personals has been one of the major concerns to companies and institutes in every sector. In learning institutes, the institute takes responsibility of the student's welfare. So, permission is required to go in or out of a campus in order to ensure security. In the last few decades not much has changed in the entire process that involves in getting the permission. A request letter is drafted by the concerned

party which is then filed for processing. On manual verification, a written permit is handed out which can be used at exit and entry points. The cloud database maintained for the same ensures that if required, the concerned faculty can look up to any particular student's record of any dated gate pass issued to her. The process can contain more than one levels of human verification. This tedious procedure involves a lot of physical work involved. This project aims at making this system

automatic and online. This will save both parties' various resources. Also, this project reduces the discrepancies and maintains a transparency among the student coordinator, student and the warden.

2. LITERATURE SURVEY

University Campus Online Automation Using Cloud computing is discussed in. They proposed the system by adopting technology model (UTAUT) to determine the user acceptance of visitor application system. Gate pass Management System is discussed in. The objective and the scope of this paper is to record the details, various activities of the students. Face matching recognition system is discussed in. This application enables capturing new visiting record by auto-clock in/out, and assignment of visitor pass. Gate Pass Management System is discussed in. The objective is to record the details and various activities of the user. It simplifies the task and reduces the paperwork. Online Gate Pass Application form for Hostel Students is discussed in. The objective is to record the details and various activities of the user. It simplifies the task and reduces the paperwork. Web-Based Hostel Management System For involving Sustainable Performance of Educational Institutions, is discussed in which encourages them to spare the records of the students about their rooms and other things. Visitor Gate Management System to record the details and various activities of the users is discussed in. The objective is to reduce the paperwork. RFID Based Campus Management System: Access Control System is discussed in. It consists of mainly two parts transponder and interrogator for access control. Solving hostel student issues using mobile application is discussed in is an application for solving Student daily life issues through mobile application. Mobile application for out pass generation is discussed in is an application for creating gate pass ticket for entering into the university campus.

3. PROPOSED SYSTEM

The overview of our proposed system is shown in the figure below.

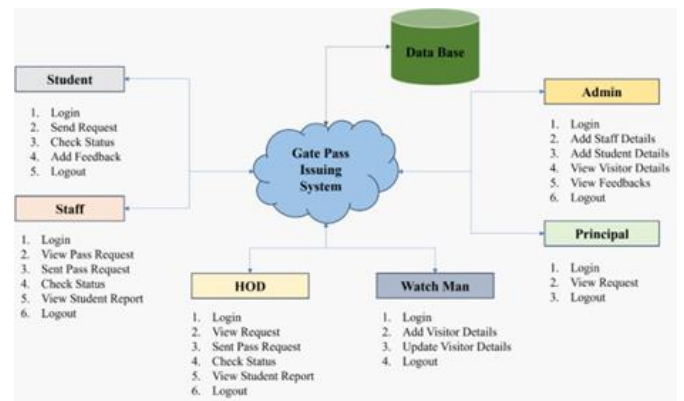


Fig. 1: System Overview

Implementation Modules

Admin

- In this module, Admin can login with valid username and password after login successful admin can perform operations are: add faculty details, add students details, view visitor details and view feedback.

Principle

- In this module principle can login with valid username and password after login successful principle can view requests.

Hod

- In this module hod can login with valid username and password after login successful hod can perform operations are: view request, sent pass request, check status and view student report.

Staff

- In this module staff can login with valid username and password after login successful staff can view pass request, sent pass request, check status and view student report.

Student

- In this module student can login with valid username and password after login successful student can perform operations are: send request, check status and add feedback.

4. CONCLUSION

The Student Pass Issuing and Visitor Information Management System effectively addresses the limitations of traditional manual record-keeping by introducing a secure, automated, and efficient digital solution. By streamlining student pass requests and visitor registrations through a centralized web-based platform, the system minimizes human errors, reduces administrative workload, and enhances overall

transparency. Real-time tracking, secure data storage, and automated notifications significantly improve campus security and monitoring of student and visitor movement. Additionally, the availability of analytics and historical records supports better decision-making and institutional management. Overall, the proposed system creates a safer, more organized, and technologically advanced environment, making it a valuable addition to modern educational institutions.

Conflict of interest statement

Authors declare that they do not have any conflict of interest.

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