

# Online Gate pass Management System

E.Thangadurai<sup>1</sup>, R.Abirami<sup>2</sup>, M.Pooja<sup>3</sup>, G.Suvetha<sup>4</sup>, S.R.Susmitha<sup>5</sup>

<sup>1</sup>Assistant Professor, Dept of information technology

<sup>2, 3, 4, 5</sup>Dept of information technology

<sup>1, 2, 3, 4, 5</sup>Vivekanandha College of Engineering for Women (Autonomous), Tiruchengode, Namakkal-637205, Tamil Nadu, India.

**Abstract-** *The main aim of the project is to maintain the gate pass system at the entrance of the college. This project provides the facility to maintain the people passing the entrance of the college in the secured way. It is also helpful for college administration to avoid the unwanted access of unauthorized members to entry into the college.*

*This project aims in providing the feature which helps for the college to maintain the detailed records of people entering the college. Since this project is designed in PHP environment it will be easier for the people to learn and use the application. Since all the process is digitalized there will be no problem of maintaining records forever. It also helps to maintain and access the data quicker.*

*In addition to that admin can view staff and student information by selecting their images which will be helpful for them to know who are college members and who are not. This project is mainly aimed to make the entry work easier to make the entry details secured by providing the appropriate authorization. In this process administrator is provided separate username and password so that no one can access the data that are entered in the database. By using this project clerical work is mostly reduced and all process are carried out digitally so that the data are ported easily.*

## I. INTRODUCTION

In previous version manual work is needed more. The student users could not view the status of the gate pass immediately when requesting the department HOD. The student users may not be come to know full details about the approval status requested by them.

Report generation work is manually generated. It takes more time to generate reports. It is so hard to maintain a large amount of data. It was quite difficult for admin to maintain information about college members for providing gate pass. More numbers of hard copies need to maintain to prevent data loss. Transaction process is not accurate. So there rise the need for a proposed system to rectify the drawbacks of this previous system and so it is computerized.

The proposed system helps the staff/student to process requests and approval for gate pass effectively. The staff can make use of website for communication and notifying alerts about request details to allow the students. The interested student can request for the gate pass through online.

## II. SYSTEM ANALYSIS

### EXISTING SYSTEM

The existing system is to maintain all the gate pass activities manually. There is lot of difficulties available in the existing system. It is so hard to maintain a large amount of data. It is also hard to produce report for entry details. So there rise the need for a proposed system to rectify the drawbacks of the existing system and so it is computerized.

In the existing system, the student needs to go and visit the staffs at the department in person to get the gate pass details by filling and submit the gate pass request slip. After that, the staff approves and signs in that pass, then only the students may leave from the college campus. This is the manual and time taken process.

### DRAWBACKS OF EXISTING SYSTEM

The existing system has following disadvantages.

- In existing system, the analysis of college staffs and students were difficult.
- More clerical work required to maintain records
- Time consumption is more for conducting auctions.
- More number of hard copies is to be maintained to prevent data loss.
- All transaction process is not accuracy.
- Maintaining records safely become difficult.

### PROPOSED SYSTEM

The proposed system is computerized the management activities. The new approach helps in efficient gate pass records management. The proposed system is maintaining data through software. The proposed system helps in faster data processing and report generation. Proposed

system rectifies the drawbacks of the existing system and so it is computerized. The mode of operation is web application. In the proposed system, all the activities regarding the gate pass process is done through systematic manner. The students and staff fill the request form through this application and submit with this project. After submitting the gate pass requisition form, the admin view and process it and approve it. Then the students and staffs can use this approval while they leaving from the college campus. And also it can be used by the students to get into the college.

Admin also provided with a facility to know information about staffs or students by simply selecting their images. The information about that person will be shown automatically.

### **ADVANTAGE OF PROPOSED SYSTEM**

The proposed system has following advantages,

- Student and staffs information will be shown by selecting person's image.
- Less Time Consuming in data entry since manual calculation is avoided.
- User Interface is efficiently designed for minimum input.
- Data Backup Management is easier than ever.

Soft copies can be easily maintained to prevent data loss.

### **III. PROPOSED METHODOLOGY**

In previous version manual work is needed more. The student users could not view the status of the gate pass immediately when requesting the department HOD. The student users may not be come to know full details about the approval status requested by them.

Report generation work is manually generated. It takes more time to generate reports. It is so hard to maintain a large amount of data. It is also hard make deliver the bedspreads products needed by the user. More numbers of hard copies need to maintain to prevent data loss. Transaction process is not accurate. So there rise the need for a proposed system to rectify the drawbacks of this previous system and so it is computerized.

The proposed system should help the admin to process requests and approval for gate pass effectively. The admin should use website for communication and notifying alerts about request details to allow the students and staffs.

### **ADMIN MODULE**

### **ADMIN LOGIN**

In this module, the admin user enters username and password. These details are checked against the 'admin' table and if matched login is made. Otherwise invalid username message will be displayed.

### **STAFF ENTRY**

This module is used for storing the staff information. The details such as staff id, name, department, contact no, email id and password are stored in the table. These details are stored in the staff table with the help of sql.

### **STUDENT ENTRY**

This module is used for storing the student information. The details such register no., name, department, image, contact no, email id and password are stored in the table. These details are stored in the student table with the help of SQL.

### **STAFF INFORMATION**

This module is used to view the staff information. Here admin will just select a picture from staff folder. Once the submit button has been clicked, the details regarding the person will be displayed. The details such as staff id, name, department, contact no, email id and password are viewed from staff table.

### **STUDENT INFORMATION**

This module is used to view the student information. Here admin will just select a picture from student folder. Once the submit button has been clicked, the details regarding the person will be displayed. The details such as register no., name, department, image, contact no, email id and password are viewed from students table.

### **GATE PASS REQUESTS LIST**

This module is used to view the gate pass information. The details such as register no., name, user id, department, entry date, on date, duration, reason and approve button are viewed from gate pass table.

### **STAFF MODULE**

### **REGISTRATION**

This module is used for storing the staff information. The details such as staff id, name, department, contact no, email id and password are stored in the table. These details are stored in the staff table with the help of sql.

### **STAFF LOGIN**

In this module, the staff user enters staff id and password. These details are checked against the 'staff' table and if matched login is made. Otherwise invalid staff id message will be displayed.

### **ADD GATE PASS REQUESTS**

This module is used to add the gate pass information. The details such as register no., name, user id, department, entry date, on date, duration and reason are added to gate pass table. Then approval or rejected can be made after viewed by admin.

### **GATE PASS REQUESTS LIST**

This module is used to view the gate pass information. The details such as register no., name, staff id, department, entry date, on date, duration, reason and status are viewed from gate pass table

## **STUDENT MODULE**

### **REGISTRATION**

This module is used for storing the student information. The details such register no., name, department, image, contact no, email id and password are stored in the table. These details are stored in the student table with the help of SQL.

### **STUDENT LOGIN**

In this module, the student user enters register no. and password. These details are checked against the 'student' table and if matched login is made. Otherwise invalid register no. message will be displayed.

### **ADD GATE PASS REQUESTS**

This module is used to add the gate pass information. The details such as register no., name, staff id, department, entry date, on date, duration and reason are added to gate pass table. Then approval or rejected can be made after viewed by admin.

### **ADD FEEDBACK**

Here student can upload their feedback about the website. Students will provide feedback according to the working speed of website and solutions gained by them. These details are fetched from website and availed to students.

## **IV. CONCLUSION**

This project is easy to implement and it is technically flexible to adapt to new environment. This project is designed in such an extensible fashion to increase the future adaptability and it is flexible, where the modification could be done whenever necessary.

This project made the entry work easier to make the entry details secured by providing the appropriate authorization. In this process administrator is provided separate username and password so that no one can access the data that are entered in the database.

By using this project clerical work in mostly reduced and all process are carried out digitally so that the data are ported easily. The corresponding department HOD is approving or rejecting the gate pass request made by students. It is developed in a user-friendly manner. The system is very fast and any transactions can be viewed or retaken at any level. The work burden is reduced and solves the problem of time consuming.

The end users are required to have less working experience to run this project. The application is tested well and end users satisfaction is found to be more. The user can easily understand the details available from the report. This software will support for the future development.

### **Scope for future development**

The application become useful if the below enhancements are made in future.

- If facilities data theft prevention, more securable.
- The system if developed platform independently, more users can access application
- New approval status information can be automatically sent to the student mail via SMS.

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