

# **REPORT OF GATEPASS MANAGEMENT SYSTEM**

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Topic **T10**

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**Abstract:**

The purpose of student gate pass system is to automate the existing manual system by the help of computerized equipment's and full-fledged computer software, fulfilling their requirements , so that their valuable data/information can be stored for a longer period with easy access and manipulation of the same.

The required software and hard ware are easily available and easy to work with.

Student gate pass management system, as described above, can lead to error free, secure, reliable and fast management system. It can assist the user to concentrate on their other activities rather than record keeping. Thus it will help in better utilization of resources. The organisation can maintain computerized logins and permissions. That means that one need not be distracted by information that is not relevant, while being able to reach the information.

**Introduction:**

The student gate pass management system has been developed to override the problems prevailing in the practicing manual system. This software is supported to eliminate and in some cases reduce the hardships faced by this existing system. Moreover, this system is designed for the particular need of the company to carry out operations in a smooth and effective manner.

The application is reduced as much as possible to avoid errors while entering the data. It also provides an error message while entering invalid data. This is completely user-friendly. Our systems come with remote access features, which will allow you to manage your workforce anytime, at all times. These systems will ultimately allow you to better manage resources.

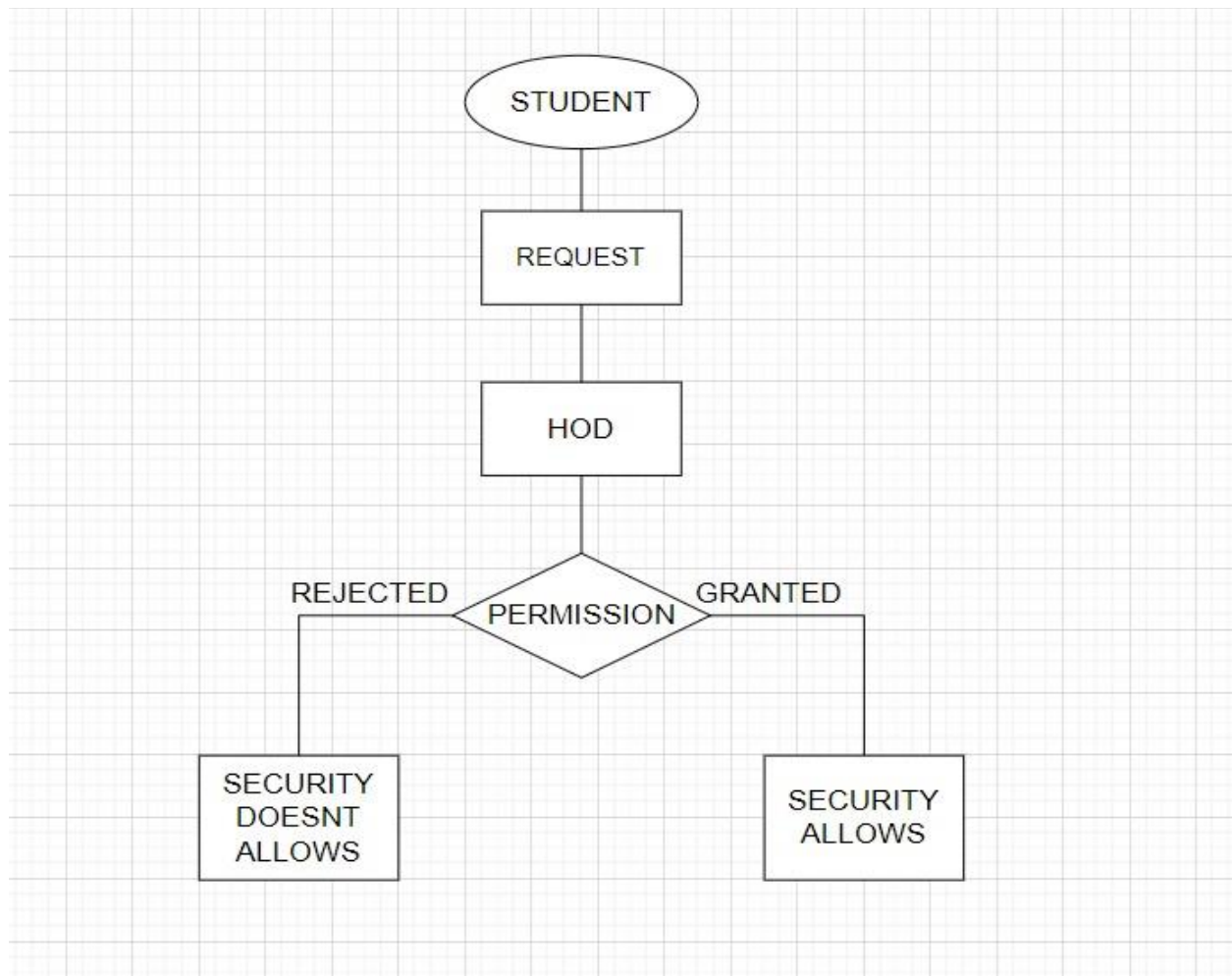
**Objectives:**

The main objective of the project on gate pass management system is to manage the details of students, gate pass, user, login. It manages all the information about students, password. The project is totally built at the administrative end and thus only the administrator is guaranteed the access. The purpose of the project is to build an application program to reduce the manual work for managing the students, Gate pass, Password, User. It tracks all the details about the User Login.

Functionalities provided by the gate pass management system are as follows:

- It tracks all the information of Gate pass, password, login etc
- Manage the information of Gate pass
- Shows the information and description of the students, Gate pass.
- To increase efficiency of managing the students, gate pass
- Editing, adding and updating of records is improved which results in proper resource management of students data.

## Working Rule:



### **Scope of the project gate pass management system:**

It may help collect perfect management in detail. In a very short time, the collection will be obvious, simple and sensible. It will help a person to know the management of passed year perfectly. It also helps in current all works relative to student gate pass management system. It will be also reduced the cost of collecting the management and collection will go on smoothly.

We have tried to computerize various processes of student gate pass management system.

- To assist the staff in capturing the effort spent on their respective working areas.
- To utilize resources in an efficient manner by increasing their productivity through automation.
- The system generates types of information that can be used for various purposes.
- It satisfies the user requirement.
- Be easy to understand by the user and operator.
- Delivered on schedule.



## **Software Requirement Specification:**

The proposed system has the following requirements:

- System needs store information about new entry of visitors.
- System needs to help the internal staff to keep information of gate pass and find them as per various queries.
- System needs to maintain quality record.
- System need to keep the record of User.
- System need to update and delete the record.
- It also needs a security system to prevent data.

## **Identification of need:**

The old manual system was suffering from a series of drawbacks. Since the whole of the system was to be maintained with hands the process of keeping, maintaining and retrieving the information was very tedious and lengthy. The records were never used to be in a systematic order. There would always be unnecessary consumption of time while entering records and retrieving records. One more problem was that it was very difficult to find errors while entering the records. Once the records were entered it was very difficult to update these records.

## **User Interface Design:**

User Interface Design is concerned with the dialogue between a user and the computer. It is concerned with everything from starting the system or logging into the system to the eventual presentation of desired inputs and outputs. The overall flow of screens and messages is called a dialogue.

The following steps are various guidelines for user interface design:

- The system user should always be aware of what to do next.
- The screen should be formatted so that various types of information, instructions and messages always appear in the same general display area.
- Messages, instructions or information should be displayed long enough to allow the system user to read them.
- A user should not be allowed to proceed without correcting an error.
- The system user should never get an operating system message or fatal error.

### Technologies Used:

Name of component	Specification
<b>Operating System</b>	Windows , Linux
<b>Languages Used</b>	Html, CSS, Java Script, Angular JS, MySQL.
<b>Database</b>	MySQL server
<b>Browser</b>	Any

### Targeted Audience:

This application is targeted for the colleges, schools, universities and offices.

## Sample Code:

```
<body class="body">
  <div class="main_container">
    <div class="container_heading">
      <b><h2 style="padding-bottom: 10px;">Request Form</h2></b>
    </div>
    <div style="margin-bottom: 40px;">
      <form action="">
        <label>Enter your Name: </label>
        <input class="feilds" type="text" name="name" placeholder="First Name" data-required="">
        <br>
        <br>
        <label>Enter your Roll No. : </label>
        <input class="feilds" type="text" name="roll" placeholder="Roll No." data-required="">

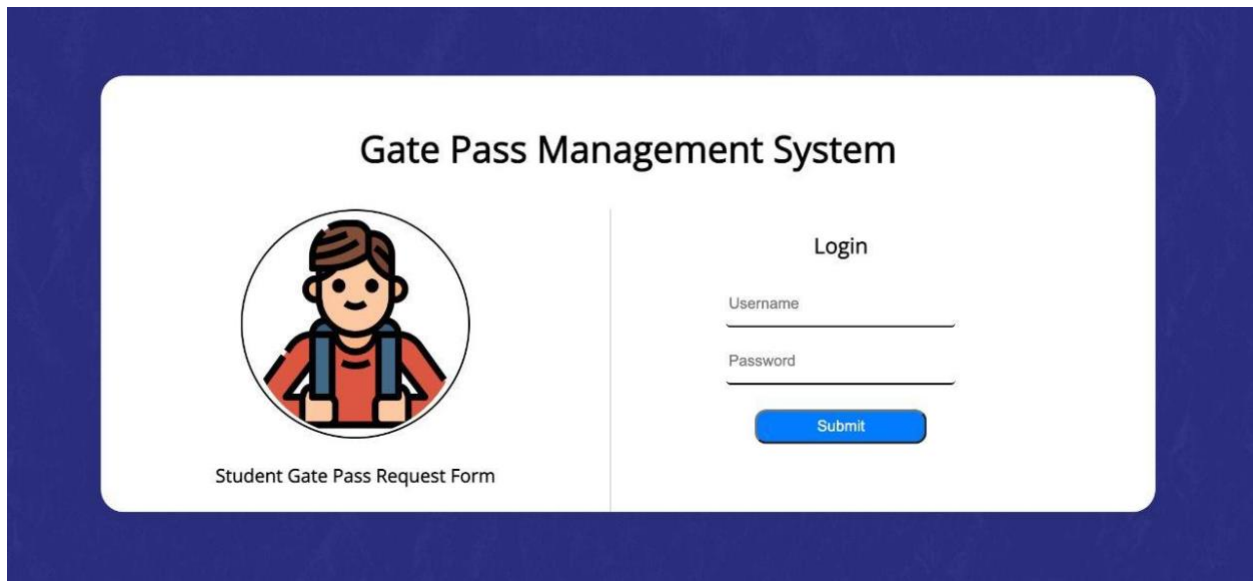
        <br>
        <label>Enter the Reason: </label>
        <input class="feilds" type="text" name="reason" placeholder="Reason For Gate Pass" data-required="" style="width: 300px; height: 80px;">
        <br>
        <br>
        <label>Select Time: </label>
        <input class="feilds" type="datetime-local" name="date" placeholder="Date" data-required="">
        <br>
        <input type="submit" name="submit" placeholder="Submit" class="submit_button">

      </form>
    </div>
  </div>
</div>
```



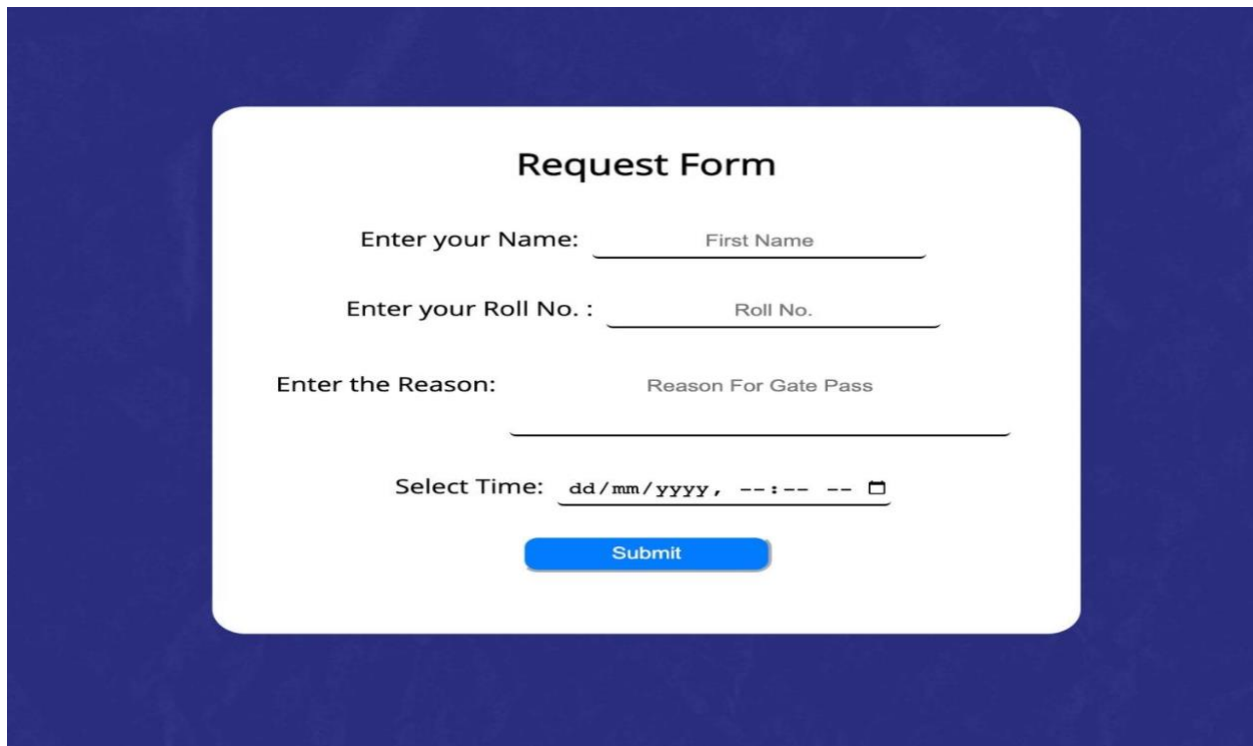
## Output screenshots / UI :

### LOGIN PAGE:



The login page features a dark blue background. A white rounded rectangle contains the title "Gate Pass Management System" at the top. Below the title, on the left, is a circular icon of a student with brown hair, wearing a red shirt and blue backpack straps. Underneath the icon is the text "Student Gate Pass Request Form". On the right side of the white rectangle, the word "Login" is centered. Below it are two input fields: "Username" and "Password", each with a horizontal line for text entry. At the bottom right of the white rectangle is a blue button with the word "Submit" in white text.

### STUDENT REQUEST FORM:



The request form is displayed on a dark blue background within a white rounded rectangle. The title "Request Form" is centered at the top. Below the title, there are three input sections. The first is labeled "Enter your Name:" followed by a horizontal line and the text "First Name". The second is labeled "Enter your Roll No. :" followed by a horizontal line and the text "Roll No.". The third is labeled "Enter the Reason:" followed by a horizontal line and the text "Reason For Gate Pass". Below these is a "Select Time:" section with a horizontal line containing the placeholder "dd/mm/yyyy, --:-- --" and a calendar icon. At the bottom center of the white rectangle is a blue button with the word "Submit" in white text.

## MANAGEMENT LOGIN:

The screenshot shows a web browser at localhost:4200/hod-dashboard. The page title is "Gate Pass Management System". It features a "My Dashboard" section with four colored boxes: "Total Requests" (3, blue), "Pending" (0, yellow), "Apporved" (2, green), and "Rejected" (1, red). The "Easy Apporve" section displays three request cards. Each card has a red 'X' icon on the left and a green checkmark icon on the right. The first card (Request ID:4) shows "Name: Siddhardha", "Roll No: 1601-20-733-053", "Reason: health", "Time: Mon, 13 Jun 2022 15:18:00 GMT", and "Mentor Status--> Approved". The second card (Request ID:12) shows "Name: Siddhardha", "Roll No: 1601-20-733-053", "Reason: emergency", "Time: Sun, 12 Jun 2022 15:46:00 GMT", and "Mentor Status--> Approved". The third card (Request ID:13) shows "Name: Chandu", "Roll No: 1601-20-733-021", "Reason: movie", "Time: Tue, 07 Jun 2022 14:20:00 GMT", and "Mentor Status--> Rejected".

Gate Pass Management System

My Dashboard

- Total Requests: 3
- Pending: 0
- Apporved: 2
- Rejected: 1

Easy Apporve

- Request ID:4  
Name: Siddhardha  
Roll No: 1601-20-733-053  
Reason: health  
Time: Mon, 13 Jun 2022 15:18:00 GMT  
Mentor Status--> Approved
- Request ID:12  
Name: Siddhardha  
Roll No: 1601-20-733-053  
Reason: emergency  
Time: Sun, 12 Jun 2022 15:46:00 GMT  
Mentor Status--> Approved
- Request ID:13  
Name: Chandu  
Roll No: 1601-20-733-021  
Reason: movie  
Time: Tue, 07 Jun 2022 14:20:00 GMT  
Mentor Status--> Rejected

## SECURITY LOGIN (GATE):

The screenshot shows a web browser at localhost:4200/gate. The page title is "Gate Pass Management System". It features a "My Dashboard" section with two colored boxes: "Pending @Gate" (0, red) and "Apporved @Gate" (2, green). The "Easy Apporve" section displays two request cards. Each card has a red 'X' icon on the left and a green checkmark icon on the right. The first card (Request ID:4) shows "Name: Siddhardha", "Roll No: 1601-20-733-053", "Reason: health", "Time: Mon, 13 Jun 2022 15:18:00 GMT", and "Mentor Status--> Approved". The second card (Request ID:12) shows "Name: Siddhardha", "Roll No: 1601-20-733-053", "Reason: emergency", "Time: Sun, 12 Jun 2022 15:46:00 GMT", and "Mentor Status--> Approved".

Gate Pass Management System

My Dashboard

- Pending @Gate: 0
- Apporved @Gate: 2

Easy Apporve

- Request ID:4  
Name: Siddhardha  
Roll No: 1601-20-733-053  
Reason: health  
Time: Mon, 13 Jun 2022 15:18:00 GMT  
Mentor Status--> Approved
- Request ID:12  
Name: Siddhardha  
Roll No: 1601-20-733-053  
Reason: emergency  
Time: Sun, 12 Jun 2022 15:46:00 GMT  
Mentor Status--> Approved



## DATABASE DESIGN:

WHERE ORDER BY

	user_id	username	password	name	role
1	0	1601-20-733-053	siddu	Siddhardha	Student
2	1	1601-20-733-021	12345678	Chandu	Student
3	2	1601-20-733-040	siddhu	raghu	Student
4	3	hod_cse	cse_hod	cse-hod	HOD

WHERE ORDER BY

	req_id	user_id	status	reason	timing
1	4	0	approved	health	2022-06-13 15:18:00
2	12	0	approved	emergency	2022-06-12 15:46:00
3	13	1	rejected	movie	2022-06-07 14:20:00
4	14	1	approved	health	2022-06-06 15:25:00

## **Conclusion of the Project Gate Pass Management System:**

Our project is only a humble venture to satisfy the needs to manage our project work. Several user-friendly coding have also been adopted. This package shall prove to be a powerful package in satisfying all the requirements of the schools and Colleges.

In the end it is concluded that we have made an effort on the following points...

- Made statement of the aims and objectives of the project
- The description of purpose, scope and applicability.
- We describe the specifications of the system and the actions that can be done on these things
- We included features and operations in detail, including screen layouts.
- We designed user interfaces and security issues related to the system.
- Finally the system is implemented and tested according to test cases.

## **Future scope of the project:**

In a nutshell, it can be summarized that the future scope of the project circles around maintaining information regarding:

- We can give more advanced software for the student gate pass management system including more facilities.
- We will host the platform on online servers to make it accessible to different Users at different levels

The above mentioned points are the enhancements which can be done to increase the applicability and usage of this project. Here we can maintain the records of students and gate pass. Enhancements can be done to maintain all the students, Gate pass, user, login, contact.

We have left all the options open so that if there is any other future requirement in the system by the user for the enhancement of the system then it is possible to implement them. In the end we would like to thank all the people involved in the development.