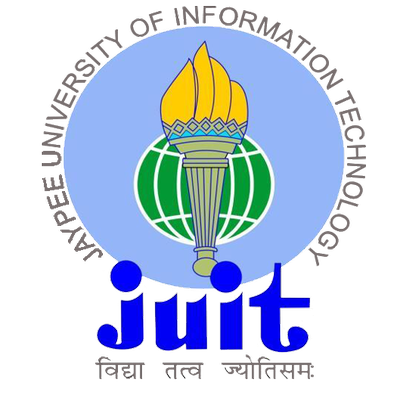
**JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY**

PROJECT REPORT ON

**“OUTPASS MANAGEMENT SYSTEM”**



*Under the guidance of*

*Assistant Professor (SG)*

*Dr. Ramesh Narwal*

Submitted By:

Keshav Chandel (231030313)

**CERTIFICATE**

This is to certify that Keshav Chandel (231030313) have successfully completed the project titled **Outpass Management System** under my supervision and guidance in the fulfillment of requirements of Fourth Semester, *Bachelor of Technology (Computer Science &* *Engineering)* of *Jaypee University of Information Technology, Solan.*

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**ACKNOWLEDGEMENT**

We express our deepest gratitude to Dr. Ramesh Narwal for his invaluable guidance, support, and encouragement throughout the course of our project, **Outpass Management System**

Their expertise and insightful suggestions have been instrumental in shaping the direction and scope of this work. Their constructive feedback and mentorship have not only enhanced the quality of this project but have also significantly contributed to our understanding of Web Development.

We are immensely grateful for the opportunity to present this project under his supervision and guidance. This endeavor has been a transformative learning experience, and we sincerely thank to Dr. Ramesh Narwal for his continuous motivation and belief in our abilities.

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**INTRODUCTION**

The **Outpass Management System** is a full-stack web application developed using PHP that facilitates streamlined management of student outpass requests within an institution. It enables students to submit outpass requests online, which are then routed to both parents and wardens for approval. The system includes role-based access for students, parents, wardens, and guards, ensuring secure and efficient workflow. Admins can manage users, and guards can verify approvals before permitting student exit. This system replaces the traditional paper-based process, making outpass tracking more transparent, accountable, and convenient for all stakeholders.

**Technologies Used**

* F**rontend:** HTML, CSS, JavaScript
* **Backend:** PHP
* **Database:** MySQL
* **Server:** Apache (XAMPP)

**System Features and Modules**

1. **Login and Signup Page**

* Users can register by providing their username and password.
* Secure login functionality with session handling.
* Safe from SQL injection.
* Validation to prevent duplicate accounts and incorrect login credentials.

1. **Home Page**

* A visually appealing landing page with a welcoming message.
* Simple UI.

1. **Role Based Pages**

* Student
* Admin
* Warden
* Guard
* Parents

1. **Student Page**

* Can request for outpass.
* View is request accepted or rejected.

1. **Admin Page**

* Can add users.
* Can delete users.

1. **Warden Page**

* Can view outpass requests.
* Can check parent status about approval.
* Can approve or decline request.

1. **Parent Page**

* Can view outpass requests of their child.
* Can check warden status about approval.
* Can approve or decline request.

1. **Guard Page**

* Can view outpass approvals.
* Can search students based on names.

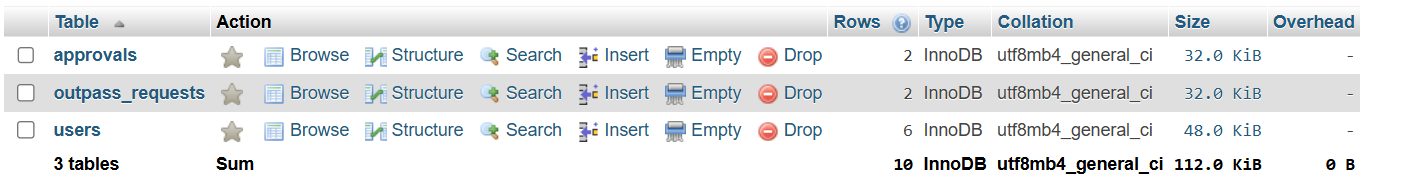
**Database Structure**

The website uses a structured MySQL database with the following tables:

* **users**: Stores user credentials and profile info.

Stores user data including name, email, password, role (student, warden, parent, admin, guard), and parent\_id (used to link student and parent accounts).

* **Outpass\_requests**: Stores individual outpass requests with fields such as student\_id, reason, date\_from, date\_to, and created\_at.
* **approvals**: Contains approval status information related to each request. Includes request\_id,
* warden\_status, parent\_status, and updated\_at.



**Workflow**

1. User signs up or logs in.

2. Based on the user role, the appropriate dashboard is accessed.

3. Students submit outpass requests with details.

4. Parents receive the request and can approve or reject it.

5. Once the parent approves, the warden can view and approve or reject.

6. If both approvals are granted, the guard can verify the status by entering the student’s name and allow exit accordingly.

Conclusion

The Outpass Management System provides a centralized and secure platform for managing student outpass requests in educational institutions. It replaces the cumbersome paper-based system with an efficient, role-based online solution. By streamlining approvals through parent and warden workflows and enabling guard verification at exit points, the system ensures safety, transparency, and accountability. It is scalable, easy to maintain, and can be integrated with additional features in the future.

**Future Enhancement:**

1. **Notification System**
   * Send email or SMS alerts to parents and wardens upon new outpass requests.
   * Notify students about approval status.
2. **Mobile App Integration**
   * Develop an Android/iOS app for on-the-go access for students, parents, and guards.
3. **QR Code Generation**
   * Generate QR codes for approved requests that guards can scan to verify quickly.
4. **Analytics Dashboard**
   * Provide monthly data on number of requests, approvals, declines, and user activity for admins.
5. **Multi-Language Support**
   * Add localization for different languages for diverse user accessibility.