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Department : - Department of Computer Science (BCA 6th Semester)

Project Name - Online Hostel Record System (Extended Version)

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Short Summary About the Project

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Introduction

- Working of project is to manage rooms of hostel and availability of room allotment details so that we can search records quickly and generate electronic report within a second.
- This project also keeps details of the hostellers and applied students managed by Warden who is the administrator. For accommodate a large number of students into hostel.
- This project aim is to minimize human works and make hostel allocation is an easier job for students and hostel authorities by providing online application for hostel.
- Students will get approval notification in their mails. Hostellers can view notice board, hostel fee by login into the online system.

Problem Objectives

- Maintain the students as hostellers and waiting list students separately Process allotment list.
- Admin can send the approval notification to every approved student via email.
- Automatically insert student's details to the hosteller's record when the allotment is confirmed by the admin and deleted when vacation is conformed or after the course end date.
- Admin can edit notice board and each student can view it and Hostel warden can calculate hostel fee.
- Hostellers can check the status of every year's hostel fee.

Old Features (Existing Project)

- Student Registration and Profile Management .

- Student Profile Login Authentication via username and password.

- Room Allocation and Availability Tracking.

- Email verification – System send the hostel allotment notification to the student and send the username and password of a particular student who have allot the room.

- Complaints Registration – Student can register their hostel related Problems like – electricity, mess, plumbing, room etc.

- Report generation implement - student can view and download application fee receipt, hostel fee receipt and hostel card

New Features (Enhancements for Major Project)

- Enhanced Security Features - Implement OTP based user login authentication.

- Device Responsive **-** The system will be designed using responsive web design principles to different screen size and devices, such as desktop, laptop, tablets and mobile phone.

- Automated Payment Receipt via Email – After student submit the application form and pay the hostel fee , the system will automatically generate a payment receipt.

- Payment Gateway Implement – students can pay the hostel fee online using Net-banking, debit card and any UPI app.

- Project Deployment - The system will be hosted on a cloud or web server, it includes responsive design, payment gateway support and automated notifications for seamless user experience.

Software Requirements

- Front end tools : HTML,CSS and JAVASCRIPT, BOOTSTRAPS
- Backend   :   MYSQL DATABASE
- Code editor   : Visual code studio (VS code)
- Server side   : PHP Language , JQuery