

PROJECT REPORT

GROUP 13

SUBMITTED BY

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ABSTRACT

This project aims to create a hostel management system for Government Engineering Thrissur college hostels. This platform automates

The student allocation process by capturing Student details, defining customizable criteria

And performing automated calculations.

The system will generate transparent rankings and Provide list of students got admission on different quotas.

INTRODUCTION

GEC Thrissur has separate Men's hostels and Women's hostels for UG, PG and PhD students. All the hostels are located on the college campus. There are five hostel blocks for Men's namely A, B, C, D and E, situated near the main campus and college ground. The Women's hostel blocks Remya, Reshmi, Revathy, Chithira and Athira, located at a walkable distance along the Pallimoola-Viyyur road, nearby powerhouse junction in Thrissur-Shornur highway. The hostel office is functioning at 'A' block in Men's hostel.

Hostel admission procedure is as per the institute norms purely based on Kerala Government rules. The men's hostel has 244 rooms and can accommodate 528 students. The ladies' hostel has 154 rooms which can accommodate 462 students.

PROBLEM

Context Of The problem

Managing hostel allotment manually can be a Cumbersome and time-consuming process for Hostel warden. Managing preferences, Vacancies and special accommodations manually increase the likelihood of mistakes and discrepancies.

This can lead to additional workload for hostel administrators to rectify issues.

VACANCY AND RESERVATION DETAILS

B	C	D	E	F	G	H	I	J
		ROOMS	CAPACITY					
	A	45	90					
	B	59	118					
	C	59	118					
	D	58	116					
	E	20	76	442				
		241	518					
VACANCY	RESERVATION %							total seat allotted
	CATEGORY	PERCENTAGE	Seat	S3	S5	S7	s1	
170	CONTIGENY		4					
166	other state		4					
162	SC/ST/BPL/PH	30	49	16	16	16		
113	pg	10	16	8			8	
97	others	60	100	24	24	49		
		Total	173	48	40	65	8	161

Major issues on not having automated system

- Handling data of many students Manually must handle on issues such as erroneous data, redundancy, and missing data. It's a herculean task.
- Difficult to error correction.
- Sorting according to the admission criteria is time consuming .
- Difficult to report generation.

Potential Users

1. Hostel Administrator.
2. Hostel staff.
3. Students.

SOLUTION

Implementing an automated hostel management system can effectively address these Challenges. The system will utilize a user-friendly interface for administrators. Administrators will have access to allotment processes, review requests and intervene when necessary.

Overall, this automated hostel management system will reduce manual errors, improve transparency and enhance the overall hostel experience for both students and administrators.

USER INTERFACE DIAGRAM

	first year
	second year
	third year
	fourth year

LOGIN

 Google

OR CONTINUE WITH

USERNAME

PASSWORD



Don't have account? [signup](#)

SIGNUP

G Google

OR CONTINUE WITH

USERNAME

CREATE PASSWORD

CONFIRM PASSWORD

LOGIN

PROFILE



Dashboard

Manage Students details , room allocation and report generation

All Students

Student Details

Room Allocation

Report Generation

AD.NO	NAME	Method	Amount
1	Paid	Credit Card	\$250.00
2	Pending	PayPal	\$150.00
3	Unpaid	Bank Transfer	\$350.00
4	Paid	Credit Card	\$450.00
5	Paid	PayPal	\$550.00
6	Pending	Bank Transfer	\$200.00
7	Unpaid	Credit Card	\$300.00
8	Unpaid	Credit Card	\$300.00
9	Unpaid	Credit Card	\$300.00

ROOM ALLOCATION

[illegible]

REPORT GENERATION

Print

Dashboard

Manage Students details , room allocation and report generation

All Students

Student Details Room Allocation **Report Generation**

Sl.No	Sl.No	Sl.No	Sl.No	Admn No	Name	Phone	Room no
1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1

ER DIAGRAM

