



WEB-BASED HOSTEL MANAGEMENT SYSTEM FOR IMPROVING SUSTAINABLE PERFORMANCE OF EDUCATIONAL INSTITUTIONS

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Abstract: The “HOSTEL MANAGEMENT SYSTEM” is a software, developed for managing various activities for the hostel. For as long as couple of years the quantity of institutions is expanding rapidly. Along with this number of hostels are also additionally expanding for the convenience of the students contemplating in this establishment. Hence there is a considerable measure of strain on the individual who are running the hostel and software are not generally utilized as a part of this unique circumstance. This project manages the issues on dealing with hostel and avoid the issues which happen manually. The disadvantages of the existing prompts the improvement of modernized hostel administration framework that will be perfect to the existing system with the proposed framework which is friendlier and GUI environment. We can enhance the proficiency of the framework, subsequently beat the downsides of the existing system. Less human error, Strength and strain of difficult work can be decreased, high security, Data repetition can be kept away from to some degree, Data consistency. **Keywords:** Hostel Management, Web Application, Data base

1. INTRODUCTION

This project is in favor for the hostel administration group which encourages them to spare the records of the students about their rooms and other things. It encourages them from the manual work from which it is exceptionally hard to discover the record of the students and the data about those ones who had left the hostel years prior.

This arrangement is produced on difficulty of the hostel administration, through this they can't require so effective individual to deal with and deal with the issues of the students in the hostel, you should simply to login as overseer and you can see the data of the considerable number of students who have acquired and enrolled their hostel frame, click confirm to discover their qualification and distribute them to the accessible.[1]

To identify the issues of the existing hostel administration prompts the advancement of automated arrangement that will be good to the current administration with the arrangement which is more user friendly and more GUI environment. We can enhance the effectiveness of the hostel management, in this manner conquer the downsides of the existing administration.[3]

2. MODULES

This system contains six modules. They are

- o Student Information
- o RoomAllocation.
- o Attendance Entry.
- o Mess Payment calculation
- o Stock Availability
- o Gate Pass

2.1 Student Information:

This module used to store student records. It contains the data such as student basic Profile elements, Parents information, Educational information, and so forth. The Users can see through the student details from the database as indicated by various criteria, for example, name, Course, Room number.

2.2. Room Allocation:

This module will be allocate a room to students as per the student education elements like branch or course. A particular room will assigned to a student and an ID will produce for it. It also shows room expense structure records. Student dues or refund status and balance status can be gotten to here. This module likewise used to inform about student room rent each semester with permitted changes in view of grant.

2.3. Attendance entry Module

The warden would daily be able to update their attendance details for their particular floors. Monthly report can be utilized for man-days figuring of individual student.

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2.4. Mess Payment calculation:

The total expenses like water charges, power charges, internet charges, room rent are figured for each academic year and is similarly isolated among every one of the students. In this module, the mess expenditure for every student in the hostel is computed for every month and the mess charge for every student in calculated and showed.

2.5. Stock availability

Stock Availability can characterize a stock level that turns into the limit to decide when a thing should be reordered. The out of stock limit can be set to any number more prominent than zero. Another way you can utilize the stock accessibility edge is to oversee items that are popular. It is defined to secure the outbound transactions and ensure a smarter way of managing and keeping a track of the inventory for those products which were not dispatched for fulfilling an order.

2.6. Gate pass

A gate pass is used by the hostel inmates to move in/out of the campus which requires permission from the warden. In gate pass module, the student has to send a request which consists of details like roll number, name, department, year, place of visit, purpose, from date, to date, in time, and out time. The request is submitted to the respective warden. The warden analyses the request by the student and approves or denies the request. If the request is approved by the warden then the gate pass is issued to the student.

3. SCOPE FOR DEVELOPMENT OF THIS PAPER:

The requirement of the user is to:

- Access/ Search information.
- Log in to the system through the first page of the application
- Change the password after logging the system
- View/change details. Can get help through the help option to view different property of the system.
- Students can give feedback for college/staff/any other student.
- An admin login should be present who can read as well as remove any

4. IMPLEMENTATION AND RESULTS

4.1 Student profile form

Fig.1. Student Basic Profile Registration

4.2. Room allocation form

Fig.2. Room Allocation

4.3. Attendance Entry:

STUDENT ROLLNO	NAME	DEPARTMENT	YEAR
131720	nandhini	Civil	First
131703	Akshaya	IT	First

Fig.3. Hostel Students Attendance Entry

4.4. Fees Payment Form:

Student Rollno: 13MECH02

Student Name: Dinesh

Graduation: UG

Department: Mech

Year: First

Batch: 2010-2014

Academic Year: 2010-2011

Bill Type: Hostel Bill

Amount Paid: 809645

Payment Mode: Cash

Balance: 0

ROLLNO	NAME	DEPARTMENT	YEAR	MANDAYS
131720	nandhini	Civil	First	1

Fig.4. Daily report form

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ROLLNO	NAME	DEPARTMENT	YEAR	BATCH	BILLTYPE	TOTAL	AMOUNT PAID	PAYMENT MODE	BALANCNE	DATE&TIME(H:M:S)
12EEE25	Mala	EEE	Third	2012-2016	Hostel Bill	100000	100	Demand Draft	99900	07-02-2017 07:22:00
11CE31	Joylin	Civil	Fourth	2011-2015	Hostel Bill	50000	4000	Cash	46000	07-02-2017 07:43:29
13CSE01	Abinaya	CSE	Third	2015-2019	Hostel Bill	70000	25000	Demand Draft	45000	07-02-2017 22:45:55

Fig.5. Monthly Payment Report Generation

4.5. Gate Pass Form:

ROLLNO	NAME	DEPARTMENT	YEAR	FROM DATE	OUT TIME	TO DATE	IN TIME
<input checked="" type="checkbox"/> 13IT01	Abrami	IT	Fourth	2017-03-20	12:00:00	2017-03-21	04:00:00

Fig.6. Gate pass Report

5. CONCLUSION

This paper helps with adjusting the existing system to site based framework. This is a paperless work. It can be observed and controlled remotely. It diminishes the manpower required. It gives precise data dependably. Malpractice can be lessened. All accumulated and additional data can be spared and can be gotten to whenever. The information which is put away in the undertaking helps in taking shrewd and speedy choices by the administration. So it is smarter to have a Web-Based Information Management framework.

6. REFERENCES

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