

Hostel Web Portal

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Abstract: The online hostel Portal system is web based software to provide college students accommodation to the university hostel more efficiently. This project also keeps details of the hostellers and applied students. It is headed by Warden. He will be the administrator. For accommodate a large number of students into hostel. This document is intended to minimize human works and make hostel allocation is an easier job for cusat students and hostel authorities by providing online application for hostel, automatically select the students from the waiting list and mess calculation, complaint registration, notice board etc. etc. Students will get approval notification in their mails. Hostellers can view notice board, hostel fee, mess menu by login into the online system.

1. INTRODUCTION

“HOSTEL PORTAL” is software developed for managing various activities in the hostel. For the past few years the number of educational Institutions is increasing rapidly. There by the number of hostels is also increasing for the accommodation of the students studying in this institution. And hence there is a lot of strain on the person who are running the hostel and software’s are not usually used in this context. This particular project deals with the problems on managing a hostel and avoids the problems which occur when carried manually. Identification of the drawbacks of the existing system leads to the designing of computerized system that will be compatible to the existing system with the system which is more user friendly and more GUI oriented. We can improve the efficiency of the system, thus overcome the drawbacks of the existing system.

2. SYSTEM MODEL

Implementation is the stage in the project where the theoretical design is turned into a working system and is giving confidence on the new system for the users that it will work efficiently and effectively. It involves careful planning, investigation of the current system and its constraints on implementation, design of methods to achieve the changeover, an evaluation of change over methods. Apart from planning major task of preparing the implementation are education and training of users. The implementation process begins with preparing a plan for the implementation of the system. According to this plan, the activities are to be carried out, discussions made regarding the equipment and resources and the additional

equipment has to be acquired to implement the new system.

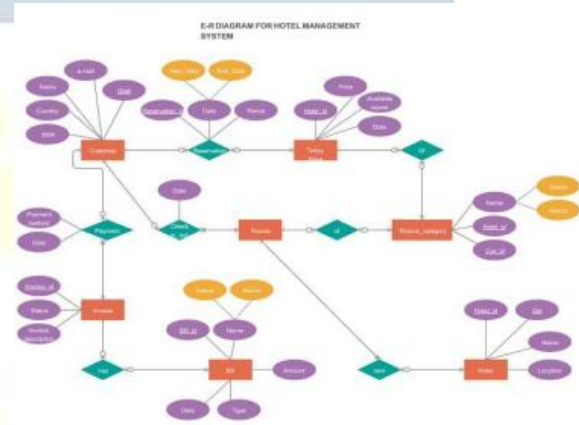


Figure 1: Data Flow

3. PREVIOUS WORK

In preview work manual based and need lot of efforts and consume enough time. In the existing system we can apply for the hostels online but the allotment processes are done manually. It may lead to corruptions in the allocation process as well as hostel fee calculation. The existing system does not deals with mess calculation and complaint registration.

4. PROPOSED METHODOLOGY

The proposed system is having many advantages over the existing system. It require less overhead and very efficient. The proposed system deals with the mess calculation and allotment process efficiently. **SYSTEM DESIGN** The system design is divided in

to three portions. The Administrator section, hostel secretary section and student section

1. Administrator:

Administrator can allot different students to the different hostels. He can vacate the students for the hostels. He can control the status of the fee payment. He can edit the details of the students. He can change their rooms, edit and delete the student records. He can edit the news board 6. He can check the complaints

2. The Hostel Secretary can:

Make the Mess menu Make the mess bill & hostel bill 3. Give notifications in Notice Board In input data design, we design the source document that capture the data and then select the media used to enter them into the computer. There are two major approaches for entering data in to the computer. They are Menus. Dialog Boxes.

TOOLS

The tools which we have been using for our projects are Python Django Framework, HTML, CSS, MYSQL, Here MYSQL is a Database. To add, access, and process data stored in a computer database, you need a database management system such as MYSQL server .With querying and connectivity capabilities, as well as the ability to have excellent data structure and integration with many different platforms. It can handle large database reliably and quickly in high –demanding production environments.

5. SIMULATION/EXPERIMENTAL RESULTS

There are some screenshots of the result or output of this experiment:

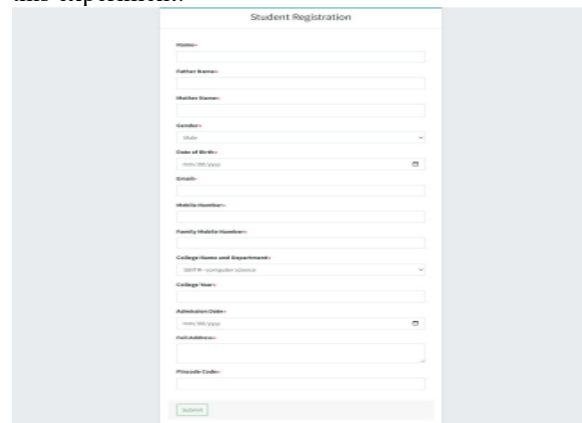


Figure 2: User Registration

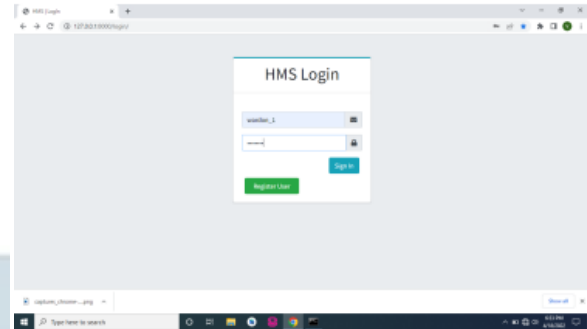


Figure 3: Warden Login

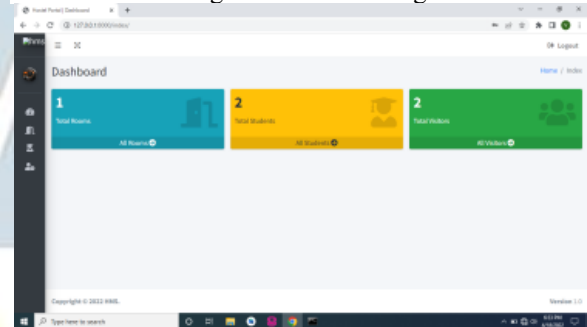


Figure 4: Hostel Portal Home Page

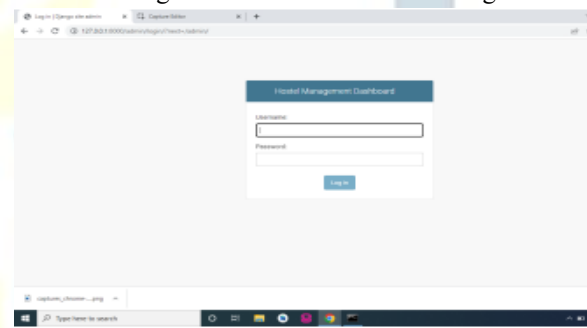


Figure 5: Admin Login

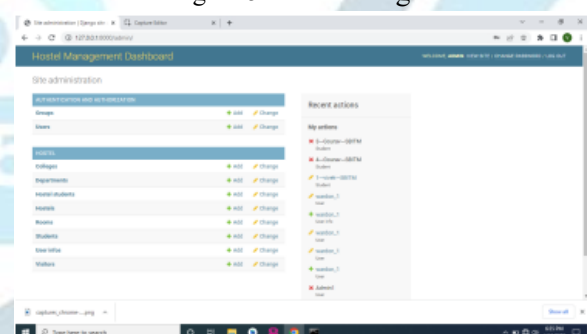


Figure 6: Admin Home Page

6. CONCLUSION

Hostel Portal is very useful for hostel allotment and mess fee calculation. This hostel Portal software is designed for people who want to manage various activities in the hostel. For the past few years the

numbers of educational institutions are increasing rapidly. Thereby the numbers of hostels are also increasing for the accommodation of the students studying in this institution. And hence there is a lot of strain on the person who are running the hostel and software's are not usually used in this context.

7. FUTURE SCOPE

It is easy to extend the system that we have proposed. A person could see any of the issued, unissued or all the rooms according to his/her will. In future we can implement some features for "Hostel Management System" project. In this system its possible to categorize room rent for middle class students and poor students. Some poor students are given a particular concession for the entire year.

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