**Mini Project**

**Hostel Management System**

**Introduction:**

The HOSTEL MANAGEMENT SYSTEM is web app developing for managing various activities in the hostel. This work is intended to minimize human works and make hostel allocation is an easier job for students and hostel authorities. For accommodate a large number of students in hostel. Student will get notification in their mails about new circular published. By login into the web app hostellers can view notice board, hostel fee, mess menu.

Reducing hardness in the work flow of the activities like managing students details, managing room allotment, managing mess menu, managing monthly payment calculation and maintaining payment receipt, can automate entire process for timely purpose.

The goal of this work is to develop a system for the computerization of the Hostel. The common transactions of the hostel includes the maintenance of mess bills, information about students in the hostel, enrolling of new students and their payments and dues etc are stored into the databases and reports are generated according to the user requirements.

**Objectives:**

To Develop a Web app for Hostel Management System which can automate all the manual operations of the hostel.

**Abstract:**

This web app “HOSTEL MANAGEMENT SYSTEM” targeted for the College Hostel integrates the transaction management of the Hostel for better control and timely response. This eliminates time delay and paper transactions being marked. The warden is provided with a better control over the transactions like adding the details of new students in the hostel, modifying the details of the students, deleting the students, viewing the students details in the Hostel. This Web app main motivation is to reduce the effort of Wardens and provide better service to the students. The common transactions of the hostel includes the maintenance of mess bills, information about students in the hostel, enrolling of new students and their payments and dues etc are stored into the databases and reports are generated according to the user requirements. The goal of this web app is to develop a system for the computerization of the Hostel.

**Problem Statement:**

The hostel management system is developed for automating the activities of hostel. The Web app will be great relief to the employees. This Web app will help user in case of reporting, registration and searching the information about residents and rooms. The aim of the Hostel Management System is to carry out the activities of the hostel in an efficient way. It will take the operations of Hostel to the upper level by providing faster access to data and allowing addition, upgradation , modification and deletion of data in a systematic and reliable manner.

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**Literature Review:**

**Existing System:**

**Manual Hostel Management System:**

The existing system of The College Hostel is run manually by entering data in books and keeping track of all the data in the books. Adding, searching is quite difficult if it is it the form of long books. The different processes involved are, To maintain hostel student details, monthly bills, the information about payments and dues manually. There is a lot of handling issues in the existing system. So there is a need for Hostel Management system.

**Drawbacks of Manual Hostel management system:**

* The entire database are maintained manually which is very tedious.
* Time delay is more because the warden has to go through many records for entering the transactions of different batches and generating reports.
* Manual calculations may not result in 100% accuracy.
* Backup data can not be easily generated.
* More strength and strain of manual labor needed.
* Low data security.
* Difficult to handle the managing process.
* More human error occurs in handling process.
* Record keeping is very difficult.
* It’s very difficult to update data in manual records.

**Website name: Hostel Management System [1]**

The Website “Hostel Management System” which owned by Madhya Pradesh government in their educational portal to manage multiple hostels belong to multiple schools in their state. It was good looking UI vice.

**Advantages:**

* This website uses Register number and Date of birth as login credential. So, There is no chance of forgetting login credential.
* The recent circular, Scholarship, Hostel infrastructure are scrolling in the home page of the website, so that user can easily known about that.
* The website provide various forms like Week end leave form, Week day leave form.
* This site has maintain attendance and students can review their attendance status.

**Disadvantages:**

* This website cannot manage online payments like hostel fees and mess fees.
* This website can't offer any alternatives to complaint reviews.
* This site uses unsecure connection entering personal does not handled in secure way**.**
* The user interface of the site was provided improper way**.**

**Reference:**

1. http://www.educationportal.mp.gov.in/HostelManagement/