Synopsis

MIT School of Engineering
Department of Computer Science and Engineering

Mini Project Synopsis

Class: SY CSE-2

Project Group ID: 02

Project Title: Hostel Management System Software (HMSS)

 Group Members:

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Problem Statement:
Abstract:
Literature Survey: Detail survey done
Proposed System (Block Diagram):
Conclusion:
References:
Annexure:
Annexure I: Form A-Title Approval (for offline mode)
Annexure II: Form B-Market and financial feasibility (verify from guide)
Annexure III: Literature survey paper or links

HOSTEL MANAGEMENT SOFTWARE

Abstract: - We have got around 14 hostels in our university, which consist of 8 boy's hostel and 6 girl's hostels. All these hostels at present are managed manually by the hostel office. The Registration form verification to the different data processing is done manually. Thus, there are a lot of repetitions which can be easily avoided. 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.

EXISTING SYSTEM: - Current situation of hostel administration framework is all the work is done physically. Various information or record copies of the hostel and student data are kept in various divisions. Room is distributed by the room necessities and as per requested by the student. Hostel offices and other data are altogether kept in a booklet or is shown on notice board. Student's data, **staff data, student registration, room status, complaints, occasions news, out pass application are kept in registers and requires manual entry**.

We can improve the efficiency of the system, thus overcome the following drawbacks of the existing system.
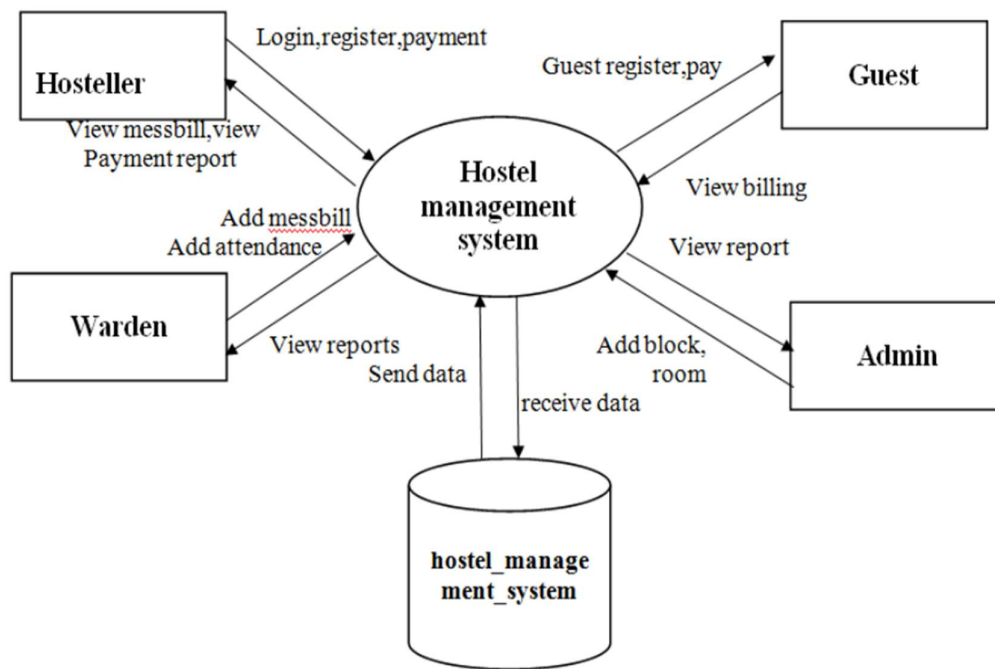
• more human error.

• more strength and strain of manual labour needed

• Repetition of the same procedures.

• difficult to handle

• Backup data can be easily generated

Problem solution: - The aim of the project is to develop a GUI based software that will streamline registration process, reduce administrative tasks and paper work so as to improve the registration and hostel accommodation booking cycle process flow. In order to help students and the college administration to effectively manage various activities pertaining to accommodation, a Web based Student Hostel Management Software System will be designed and developed using a Model View Controller Framework.

The GUI based Student Hostel Management Software System will be able to:

• Allow the Administrator to manage students (Create, update and delete student details)

• Allow the Administrator to manage hostels (Setup, update and delete hostels).

• Allow Hostel Manager to add student, process bookings and approve application

Proposed Method: -

OBJECTIVES: -Once the GUI based Student Hostel Management Software System is developed, it will provide for the efficient and reliable service delivery and be the most effective tool for interaction between the students and the college. It will also allow students to apply for accommodation anytime and anywhere in their comfort zones provided they have internet facilities using their laptops.

- Insert the student details and other records.
- Students can enrol their complaints in complaints page.
- Hostel employee can calculate the hostel accounts in an easy manner.
- Hostellers can check the status of their hostel fee. ¬ Room Allotment to the hostellers.
- Out-pass application for the students.
- Helpline No. warden, hospital, etc
- Services, mess related issues

System Modules: - The proposed framework consists of three different modules:

- Administrator
- Warden
- Student

CONCLUSION :- In short about the proposed framework, the project created utilizing GUI, Python, and MySQL is in light of the prerequisite detail of the user and the research of the current framework, with adaptability for future improvement. The functionality of the present programming requires a proper approach towards programming advancement. This Hostel Management System Software is intended for individuals who need to handle different activities in the hostel. As from last few years numbers of colleges/universities are increasing and so is students number which require an automated system which can reduce human effort and make administration easy and in more technological way.