

Project Title: MIS (Hostel Module)

SRS

Category: Web Application

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INTRODUCTION

This is designed in favor of the hostel management system, one module of MIS project which helps us to save the records of the students about their rooms and other things. It helps us to do paperless work for hostel allotment which is more convenient to find the record of the students and details about the hostels. With this module we tried to keep things paperless as much as possible.

PURPOSE

The purpose of developing this “MIS (Hostel module)” is to allotting the rooms for students those who want college hostel facility, this allotment is only for hostel boarders. And all things are managed and take care about hostel related facilities for students.

SCOPE

It provides storing and managing of students database for hostel in long time without any cost and expenses. It is more flexible to the Hostel user admin.

Introduction to the Hostel

ModuleProposed System

As the Hostel module is one that aims to give the Hostel user admin has all authority to maintain and conducting hostel allotment to the students. Student can also see their hostel facility and many things which are shared by hostel user

admin. There are many advantages of hostel module to the student aswell as the teacher and the associated educational institution.

The system after careful analysis has been identified to be presented with the following modules:

1. **Student login:** Student has to login and fill a form and after he/she can see the status of rooms allotment.
2. **Hostel records:** Hostel name, capacity, all warden details associated with hostel, supervisor details associated with hostel.
3. **Hostel amenities:** List of offered amenities like mess (breakfast, lunch, dinner etc.), internet facility, guest room, common-room, gymnasium, game facility etc.
4. **Rules and policy chart:** it contains rules and term conditions for students in hostels.

FUNCTIONAL REQUIREMENTS

Functional requirement describes what a system should do. Functional requirements of our system are explained below.

1. Student database managed by admin of institution.
2. The Hostel management system shall allow the admin user to add new wardens.
3. Users must have to login by creating their individual profiles.
4. Administration can allot the rooms of hostel to the student according to their semester.
5. Student's profile Search section will display student info with their hostel facility and hostel room no.

6. Student will be authorized only for checking status and see the facility of hostel, mess and related them.
7. Student database profile are only updated by user admin of hostel module any time (registering room, room renewal, and at room leaving).

NON-FUNCTIONAL REQUIREMENTS

Requirement that specifies criteria that can be used to judge the operation of a system are called non-functional requirements. Non-functional requirements of our system are mentioned below

1. **Performance:** The system shall support up to 1/2/3 students per room according to their facility and level of room.
2. **Access Permission:** The Hostel module shall have several types access permission. For instance, the warden id recognized as the system's administrator, thus, the warden shall be able to perform any type of activities on the system and student profiles. Student have to only reading purpose access permission.
3. **Maintainability:** The system shall provide the capability to back-up the database.
4. **Reliability:** The system shall be available all time accept network issue and managing time.

Process flow

- a. **Student login:** student can login with their email id and password. Student can check hostel, mess facility only, they cannot update their profile in database.
- b. **Room process flow:** A room will be allocated when student is registered in the hostel. The allocation will be on the basic of the department, semester, and the session of student.
- c. **List of hostels:** List of hostels will be available after login-user, they can check and make enquiry for each hostel with associated hostel warden and hostel admin.

Requirements: Internet, system.

Languages and tools used:

Frontend: HTML, CSS, JAVASCRIPT, BOOTSTRAP

Backend: NODE.JS, EXPRESS JS

Database: MONGODB.

Tools: VSCODE.