**HOSTEL MANGEMENT SYSTEM**

**Introduction:**

As the name specifies “HOSTEL MANAGEMENT SYSTEM” is a software developed for managing various activities in the hostel.

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.

Some of the improvements which can be noted directly are as follows

* Less human error.
* Strength and strain of manual labour can be reduced.
* High security.
* Data redundancy can be avoided to some extent.
* Data consistency.
* Easy to handle.
* Easy data updating.
* Easy record keeping.
* Backup data can be easily generated.
* User friendly environment.

Hostel Management System is divided into two modules.

* **Admin module**
* **User module**

**Admin Module:**

* **Login –** This module is used for admin login.
* **Dashboard –** Admin dashboard related total students, total rooms, total courses.
* **Course Creation-** Admin can add and manage course(Add, edit and delete)
* **Rooms-** Admin can create rooms(seater, fees)(Add, edit and delete)
* **Students Registration-** Admin can register student profile.
* **Manage Student-**(View and Delete)
* **Admin Profile**
* **Change password**
* **Access log-** admin can see user login access details
* **Logout**

**User Module:**

* **User Registration**
* **User login**
* **User forgot Password**
* **User Profile –** User can update own profile after login
* **Change Password –** Allow user to change the password.
* **Book Hostel –** User can book own hostel
* **Hostel details :** user can see own hostel details
* **Access log :** User can see own login access log
* **Logout**.

**Specifications:**

This project is related to the hostel management.

The hostel has a set number of room having room numbers with their unique id. The fees is determined by the number of students in the room. The fee depends on the joining date and the duration.

Before paying for the rooms the students has to register providing his/her full name, gender, contact number, verified email id and password.

Before registering for the hostel the student should be completely enrolled to a course. The course name and its id with the date of fee payment should be provided on the date of joining. After verifying from the respected department the students will then have to complete the registration for the hostel room.

Before registering the hostel room, user can check room details such as Rooms status.

To book a hostel room the student has to provide the following details such as room number, food status, duration, id and the full residential address with an emergency contact number with its respected parent/guardian details.

Mess details such as veg/non-veg, no of days in week 5-7 with reference to user\_id and room\_id will be needed at the time of fee payment.