

HOSTEL MANAGEMENT SYSTEM

PROJECT REPORT

S.NO	NAME	ROLL NUMBER
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1. TITLE:

Hostel Management System

2. AIM / OBJECTIVE:

A platform for both Hostellers and Admins to use to manage hostel data and facilities.

3. ABSTRACT:

As the name specifies “Hostel Management System” is a online application developed for managing various activities of the hostel. This particular project deals with the problem on managing the hostel and avoid the problems which occur when carried manually.

This platform can be used by universities or colleges to manage hostels and their students.

4. TECHNOLOGIES USED:

HTML, JavaScript, CSS, PHP, SQL, GitHub, Sublime text, VS code, MySQL workbench.

5. ALGORITHM:

- a. Main page :
 - i. Here the user just knows that he opened the application.
- b. Login / Register :
 - i. A new user can register them selves and log in using the user login module.
 - ii. If the user already has an account, he / she can login using the user login module.
 - iii. If the user is an Admin, he/she can user the admin login module to login using the given admin credentials.
- c. User / student login:
 - i. If the user forgets his/her password, they can utilize the forgot password option to get their old password and reset it once they login.
 - ii. After he/she logs in, they will be able to see a dashboard page and a menu bar to navigate to different pages.
 - iii. The user can open his profile and update his details when required in the “ My profile” module.
 - iv. The user can change their password in the “change password” page.
 - v. The user can book a hostel room according to the availability. It shows a warning “ Hostel is already booked by you” in case it's already done in the “ Book hostel” window.
 - vi. The user can check all his room details in the “Room details” module.
 - vii. The user can log out when his/her work is completed.
- d. Admin login:
 - i. After the admin logs in, they will be able to see the Admin profile page where he/she can update his profile and change his password when needed. It also has a

- menu bar which has different modules that the admin can navigate to.
- ii. The dashboard window shows the total number of students, rooms and courses where one can navigate to each of the following if required.
 - iii. The courses module has two windows :
 1. Add courses: admin can add new courses which can be used to distinguish between different students.
 2. Manage courses: Admin can view and delete all the courses.
 - iv. The rooms module has two windows:
 1. Add rooms: Admin can add new rooms according to the availability.
 2. Manage rooms: Admin can view and delete the existing rooms.
 - v. Admin can register new students and book hostel for them using the “student registration” module to facilitate students who are unable to do so on their own.
 - vi. Admin can view, delete and manage students in the “manage students” module.
 - vii. Admin can log out when his/her work is completed.

6. I/O or END USER:

Main page:

Hostel Management System

MAIN

- User Registration
- User Login
- Admin Login

User Login

EMAIL

PASSWORD

login

[Forgot password?](#)

Student registration:

Hostel Management System

MAIN

- User Registration
- User Login
- Admin Login

Student Registration

FILL ALL INFO

Registration No :	<input type="text"/>
First Name :	<input type="text"/>
Middle Name :	<input type="text"/>
Last Name :	<input type="text"/>
Gender :	Select Gender
Contact No :	<input type="text"/>
Email id:	<input type="text"/>
Password:	<input type="text"/>
Confirm Password :	<input type="text"/>

Cancel **Register**

User login:

Hostel Management System

MAIN

- User Registration
- User Login
- Admin Login

User Login

EMAIL

PASSWORD

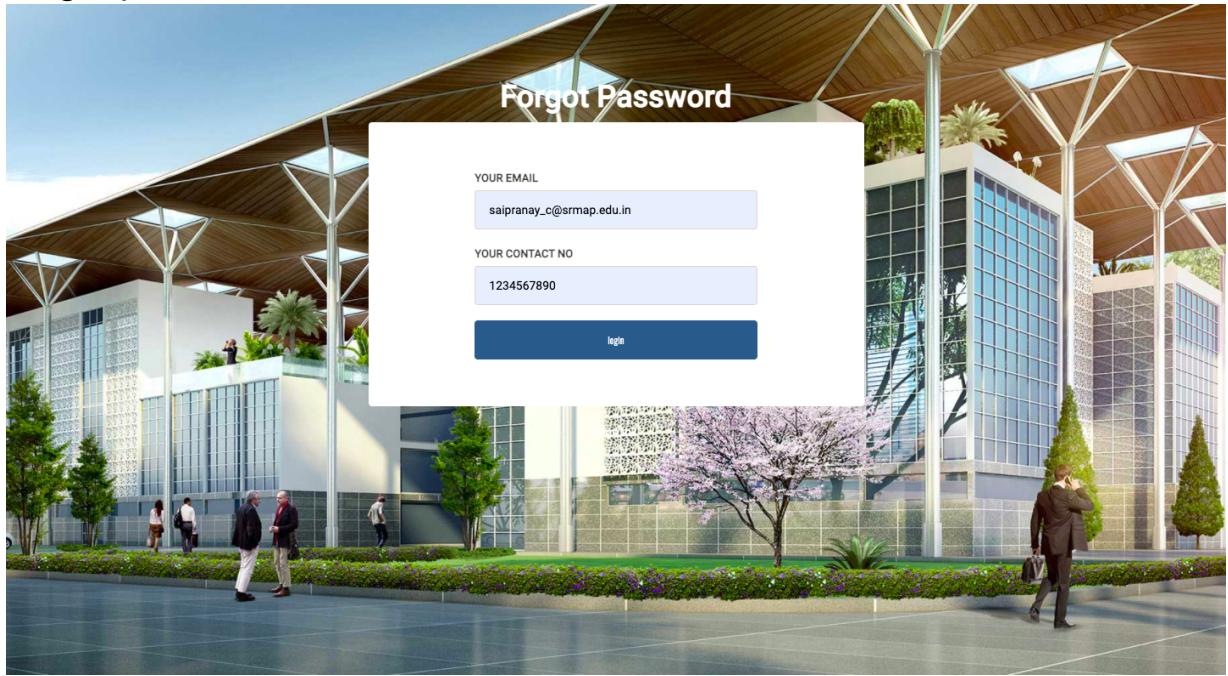
[Forgot password?](#)

Forgot password:

Forgot Password

YOUR EMAIL

YOUR CONTACT NO



User dashboard:

The screenshot shows the user dashboard of a Hostel Management System. On the left is a dark sidebar with the following navigation links:

- MAIN
- Dashboard
- My Profile
- Change Password
- Book Hostel
- Room Details

The main content area is titled "Dashboard" and contains two cards:

- A blue card labeled "My Profile" with a "FULL DETAIL" button.
- A green card labeled "My Room" with a "SEE ALL" button.

User profile:

The screenshot shows the user profile page for "sai's Profile". The sidebar on the left is identical to the one in the dashboard. The main content area is titled "sai's Profile" and includes the following information:

LAST UPDATION DATE: 23-06-2021 11:04:15

Registration No :	19110010255
First Name :	sai
Middle Name :	pranay
Last Name :	C
Gender :	male
Contact No :	1234567890
Email id:	saipranay_c@srmmap.edu.in

At the bottom center is a "Update Profile" button.

Change password:

The screenshot shows a dark-themed web application interface. At the top, a header bar displays "Hostel Management System" on the left and an "Account" icon with a dropdown arrow on the right. A vertical sidebar on the left is titled "MAIN" and contains links: "Dashboard", "My Profile", "Change Password" (which is highlighted in blue), "Book Hostel", and "Room Details". The main content area is titled "Change Password" and includes a timestamp "LAST UPDATION DATE: 22-06-2021 05:16:49". It features three input fields: "old Password", "New Password", and "Confirm Password". Below these fields are two buttons: "Cancel" and "Change Password".

Hostel booking:

The screenshot shows a dark-themed web application interface. At the top, a header bar displays "Hostel Management System" on the left and an "Account" icon with a dropdown arrow on the right. A vertical sidebar on the left is titled "MAIN" and contains links: "Dashboard", "My Profile", "Change Password" (highlighted in red), "Book Hostel", and "Room Details". The main content area is titled "Registration" and has a "FILL ALL INFO" header. A red error message "Hostel already booked by you" is displayed. Below it, a section titled "Room Related info" contains several input fields: "Room no.", "Select Room" (dropdown menu); "Seater", "Fees Per Month" (text input); "Food Status" with radio buttons for "Without Food" (selected) and "With Food(Rs 2000.00 Per Month Extra)"; "Stay From", "dd/mm/yyyy" (date input); "Duration", "Select Duration in Month" (dropdown menu); and "Total Amount" (text input). A "Personal info" section is visible at the bottom.

Hostel Management System

Personal info

course	Select Course
Registration No :	19110010255
First Name :	sai
Middle Name :	pranay
Last Name :	C
Gender :	male
Contact No :	1234567890
Email id :	saipranay_c@srmmap.edu.in
Emergency Contact:	
Guardian Name :	
Guardian Relation :	

Hostel Management System

Correspondense Address

Address :	
City :	
State	Select State
Pincode :	

Permanent Address

Permanent Address same as Correspondense address :

Address :	
City :	
State	Select State

Hostel Management System

MAIN

- [Dashboard](#)
- [My Profile](#)
- [Change Password](#)
- [Book Hostel](#)
- [Room Details](#)

City :

State :

Pincode :

Permanent Address

Permanent Address same as Correspondence address :

Address :

City :

State :

Pincode :

[Cancel](#) [Register](#)

Room details:

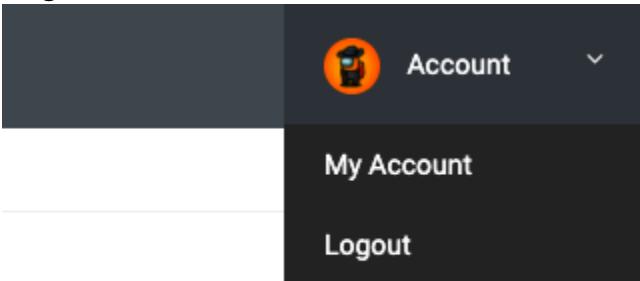
Hostel Management System

Rooms Details

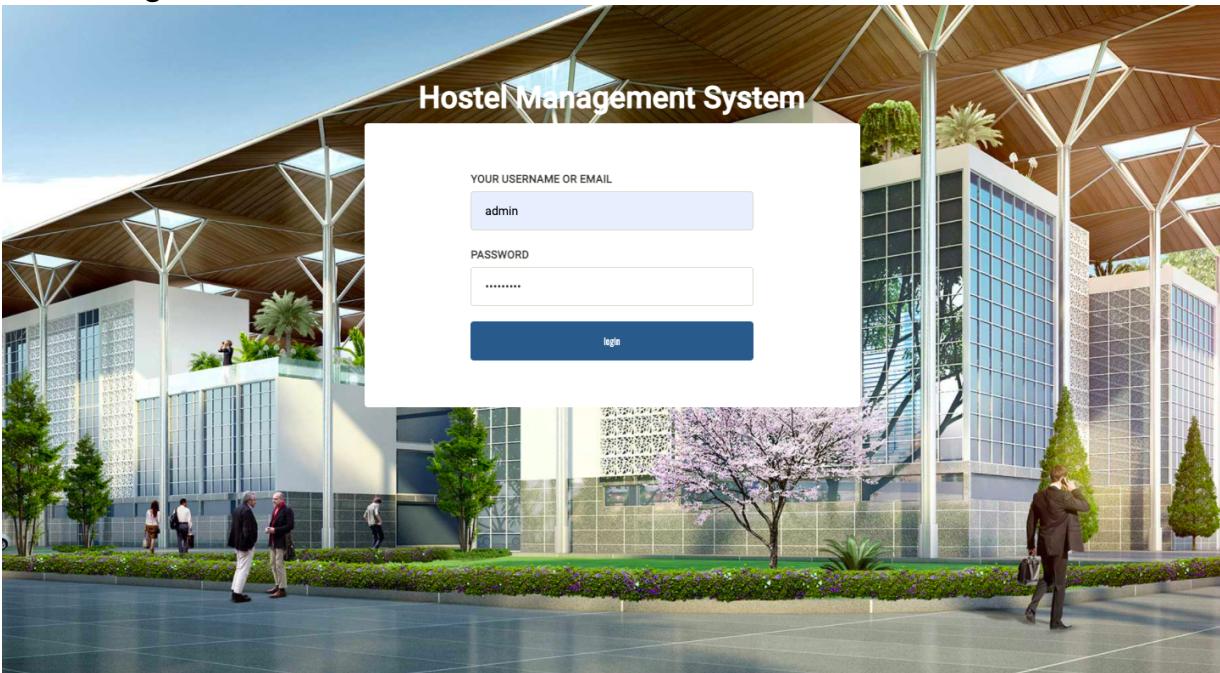
ALL ROOM DETAILS

Room Related Info					Print Data
Reg no.: 2021-04-16 12:24:09					
Room no.:	502	Seater:	5	Fees PM.:	10000
Food Status:	Without Food	Stay From:	2021-04-22	Duration:	5 Months
Total Fee : 50000					
Personal Info Info					
Reg No.:	2147483647	Full Name :	saipranayC	Email :	saipranay_c@srmep.edu.in
Contact No.:	1234567890	Gender :	male	Course :	CSE
Emergency Contact No. :	123456789	Guardian Name :	father	Guardian Relation :	father
Guardian Contact No. :	12345678				
Addresses					
Correspondence Address	jubilee hills Hyderabad, 500000 Telangana		Permanent Address	jubilee hills Hyderabad, 500000 Telangana	

Logout :



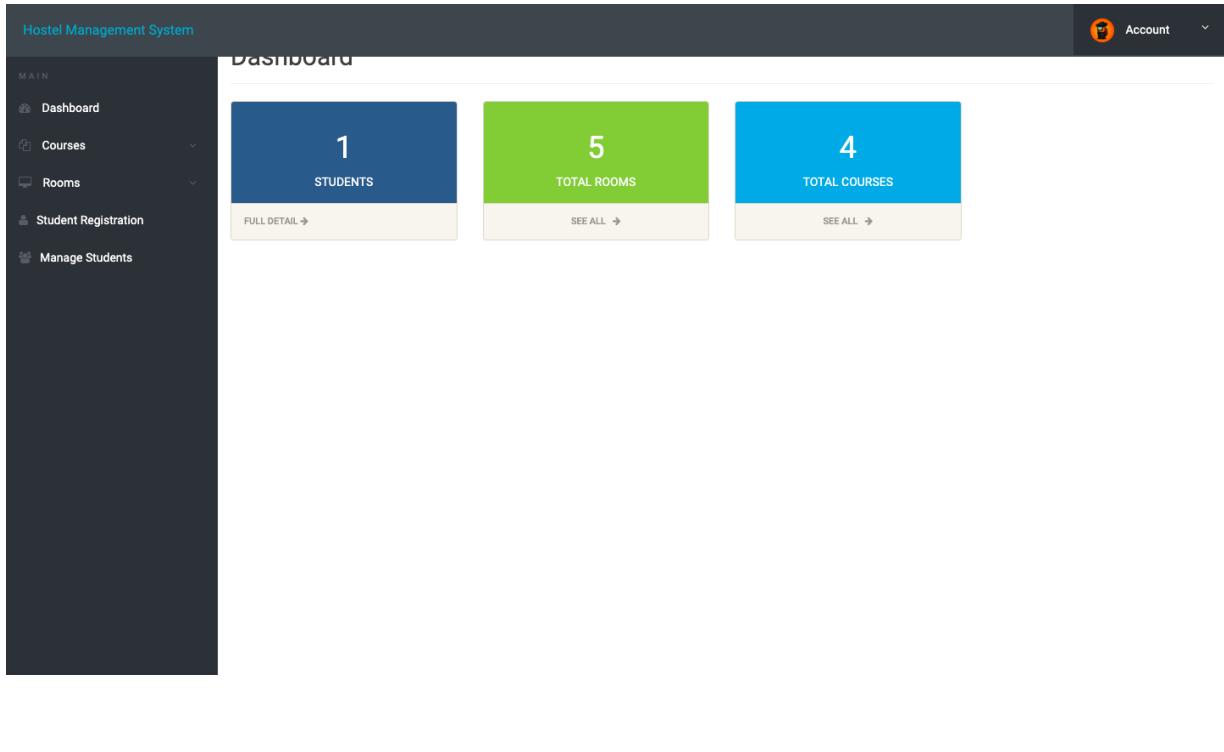
Admin login:



Admin profile:

The screenshot shows the 'Admin Profile' page of the Hostel Management System. The left sidebar has 'MAIN' and 'Dashboard' selected. The main content area is titled 'Admin Profile' and contains two sections: 'ADMIN PROFILE DETAILS' and 'CHANGE PASSWORD'. In 'ADMIN PROFILE DETAILS', there are fields for 'Username' (admin), 'Email' (saipranay_c@srmmap.edu.in), and 'Reg Date' (2021-04-05 00:31:45). Below these are 'Cancel' and 'Update Profile' buttons. In the 'CHANGE PASSWORD' section, there are fields for 'old Password', 'New Password', and 'Confirm Password', along with 'Cancel' and 'Change Password' buttons. A note says 'Username can't be changed.'

Admin dashboard:



Add courses:

Add Courses

Course Code:

Course Name (Short):

Course Name(Full):

Add course

Manage courses:

Manage Course

ALL COURSES DETAILS

Show	10	entries	Search:		
Sno.	Course Code	Course Name(Short)	Course Name(Full)	Reg Date	Action
1	CSE	SEAS	Computer Science Engineering	2021-04-28 00:41:14	<input checked="" type="checkbox"/> <input type="button" value="x"/>
2	ECE	SEAS	Electronics and Communications Engineering	2021-04-28 00:41:44	<input checked="" type="checkbox"/> <input type="button" value="x"/>
3	MECH	SEAS	Mechanical Engineering	2021-04-28 00:42:18	<input checked="" type="checkbox"/> <input type="button" value="x"/>
4	BBA	SLABS	Bachelor of Business Administration	2021-04-28 00:42:58	<input checked="" type="checkbox"/> <input type="button" value="x"/>

Showing 1 to 4 of 4 entries

PREVIOUS 1 NEXT

Add room:

Hostel Management System

MAIN

- Dashboard
- Courses
- Rooms
 - Add a Room
 - Manage Rooms
- Student Registration
- Manage Students

Add a Room

ADD A ROOM

Select Seater	Select Seater
Room No.	
Fee(Per Student)	
Create Room	

Manage rooms:

Hostel Management System

MAIN

- Dashboard
- Courses
- Rooms
 - Add a Room
 - Manage Rooms
- Student Registration
- Manage Students

Manage ROOMS

ALL ROOM DETAILS

Show	10	entries	Search:		
Sno.	Seater	Room No.	Fees (PM)	Posting Date	Action
1	1	101	50000	2021-04-12 02:45:43	<input checked="" type="checkbox"/> <input type="button" value="x"/>
2	2	201	40000	2021-04-12 05:30:47	<input checked="" type="checkbox"/> <input type="button" value="x"/>
3	3	301	30000	2021-04-12 05:30:58	<input checked="" type="checkbox"/> <input type="button" value="x"/>
4	4	401	20000	2021-04-12 05:31:07	<input checked="" type="checkbox"/> <input type="button" value="x"/>
5	5	501	10000	2021-04-12 05:31:15	<input checked="" type="checkbox"/> <input type="button" value="x"/>

Showing 1 to 5 of 5 entries

PREVIOUS 1 NEXT

Student registration:

Hostel Management System

MAIN

- Dashboard
- Courses
- Rooms
- Student Registration
- Manage Students

Registration

FILL ALL INFO

Room Related info

Room no.	Select Room
Seater	
Fees Per Month	
Food Status	<input checked="" type="radio"/> Without Food <input type="radio"/> With Food(Rs 2000.00 Per Month Extra)
Stay From	dd/mm/yyyy
Duration	Select Duration in Month

Personal info

course	Select Course
Registration No :	

Hostel Management System

MAIN

- Dashboard
- Courses
- Rooms
- Student Registration
- Manage Students

course	Select Course
Registration No :	
First Name :	
Middle Name :	
Last Name :	
Gender :	Select Gender
Contact No :	
Email id :	
Emergency Contact:	
Guardian Name :	
Guardian Relation :	
Guardian Contact no :	

Hostel Management System

MAIN

- Dashboard**
- Courses
- Rooms
- Student Registration
- Manage Students

Correspondence Address

Address :

City :

State :

Pincode :

Permanent Address

Permanent Address same as Correspondence address :

Address :

City :

State :

Hostel Management System

MAIN

- Dashboard**
- Courses
- Rooms
- Student Registration
- Manage Students

City :

State :

Pincode :

Permanent Address

Permanent Address same as Correspondence address :

Address :

City :

State :

Pincode :

Cancel **Register**

Manage students:

The screenshot shows the 'Manage Students' section of the Hostel Management System. The left sidebar has a dark theme with categories: MAIN (Dashboard, Courses, Rooms), Student Registration, and Manage Students (selected). The main content area has a light background and title 'Manage ROOMS'. It displays a table titled 'ALL ROOM DETAILS' with one entry. The table columns are Sno., Student Name, Reg no, Contact no, room no, Seater, Staying From, and Action. The entry shows Sno. 1, Student Name 'saipranayC', Reg no '2147483647', Contact no '1234567890', room no '502', Seater '5', Staying From '2021-04-22', and Action with a delete icon. Below the table, it says 'Showing 1 to 1 of 1 entries'. At the bottom right are buttons for PREVIOUS, 1, and NEXT.

Logout:

The screenshot shows a dark-themed page with a top navigation bar featuring an orange circular icon with a person icon and the text 'Account'. Below this is a menu with two items: 'My Account' and 'Logout', both in white text.

7. SUMMARY:

This project is aimed to simplify the management of hostel data for both students and the management. This application allows the management to manage their complete student information from allocating rooms to fee payments. There is an option for both students and admin to register for a new student registration so that if the student faces issues the admin can do it for the student. The hostel admin can manage the hostel rooms data. each user has his own login credentials.

