

HOSTEL MANAGEMENT PORTAL



TEAM MEMBERS

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PROBLEM STATEMENT

In today's modern world, although a lot of things have been modernized/digitalised, still most of the activities carried out by the students at hostel and mess involves either a lot of paperwork (or) have to spend a lot of waiting in a long queue

SOLUTION

To overcome this situation, a Web application has been developed to benefit the students, wardens and mess in-charges to ease their work by going paper less and save time

MAIN FUNCTIONALITIES

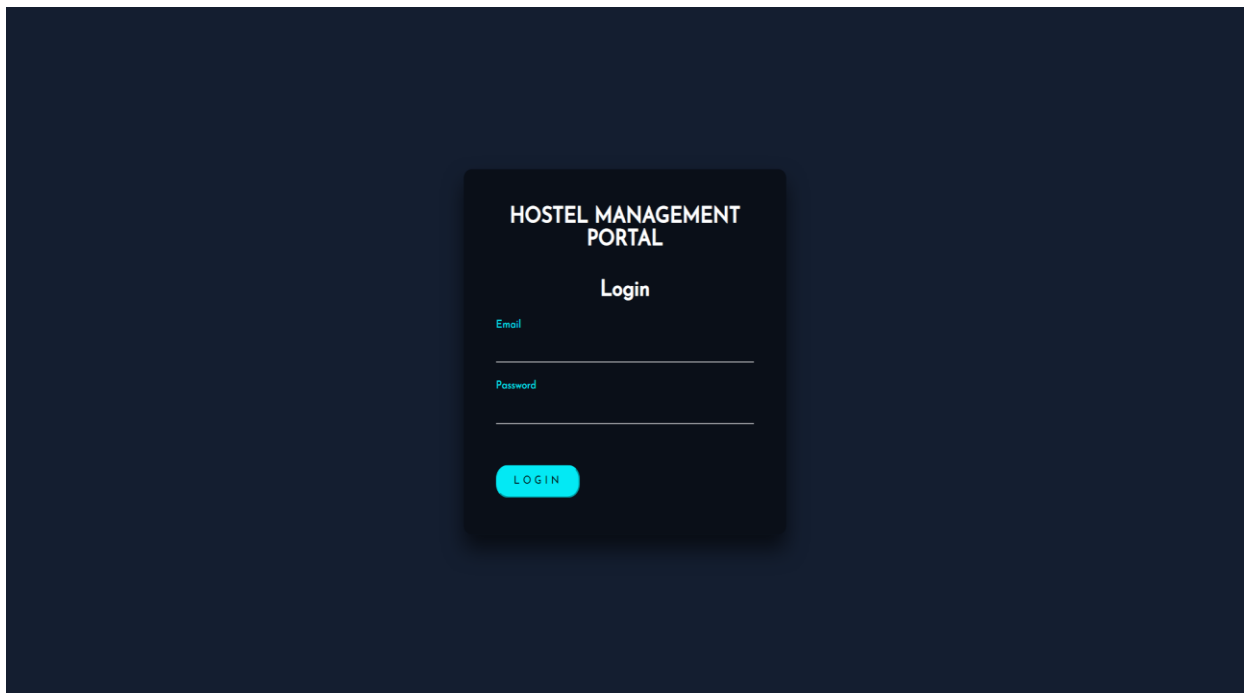
1. Add student details
2. Online Leave form request
3. Complaint Registration
4. Mess bill cancellations

TECHNOLOGIES USED

1. Node.js
2. React.js
3. MySQL

USER'S FUNCTIONALITIES

1. LOGIN



2. SUPER WARDEN

a) ADD CAMPUS AND COURSES

WARDEN DASHBOARD ➔

[Add Campus](#)
[View Campus](#)
[Add Course](#)
[Add Warden](#)
[Add Student](#)
[Add Mess](#)
[View Wardens](#)
[View Mess](#)
[View Students](#)
[Add Warden Student Relationship](#)
[View Warden Student Relationship](#)
[Add Mess Student Relationship](#)
[View Mess Student Relationship](#)
[View All Leave Forms](#)
[View All Leave Forms By Filter](#)
[View All Complaints](#)

Add Campus Details

Name

Location

Submit

WARDEN DASHBOARD ➔

[Add Campus](#)
[View Campus](#)
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[View Mess Student Relationship](#)
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[View All Leave Forms By Filter](#)
[View All Complaints](#)

Add Course Details

Campus

SSN Chennai

▼

Degree

BE

▼

Course Name

CSE

▼

No of Years

4

▾

Submit

b) VIEW, EDIT AND DELETE CAMPUS AND COURSE DETAILS

WARDEN DASHBOARD

Add Campus

View Campus

Add Course

Add Warden

Add Student

Add Mess

View Wardens

View Mess

View Students

Add Warden Student Relationship

View Warden Student Relationship

Add Mess Student Relationship

View Mess Student Relationship

View All Leave Forms

View All Leave Forms By Filter

View All Complaints

View Campus

Id	Name	Location	
6	SSN	Chennai	<div>OPTIONS</div> <div>OPTIONS</div> <div>VIEW COURSES</div> <div>EDIT CAMPUS</div> <div>DELETE CAMPUS</div>

WARDEN DASHBOARD

Add Campus

View Campus

Add Course

Add Warden

Add Student

Add Mess

View Wardens

View Mess

View Students

Add Warden Student Relationship

View Warden Student Relationship

Add Mess Student Relationship

View Mess Student Relationship

View All Leave Forms

View All Leave Forms By Filter

View All Complaints

Courses @ SSN Chennai

Id	Degree	Course Name	Years	
4	B.Tech	IT	4	<div>OPTIONS</div>
5	BE	CSE	4	<div>OPTIONS</div>

c) ADD USERS

WARDEN DASHBOARD

Add Campus

View Campus

Add Course

Add Warden

Add Student

Add Mess

View Wardens

View Mess

View Students

Add Warden Student Relationship

View Warden Student Relationship

Add Mess Student Relationship

View Mess Student Relationship

View All Leave Forms

View All Leave Forms By Filter

View All Complaints

Add Student

Email

Name

Contact No

Password

DOB

Gender

Campus

Course

Batch

Room No

Submit

WARDEN DASHBOARD

Add Campus

View Campus

Add Course

Add Warden

Add Student

Add Mess

View Wardens

View Mess

View Students

Add Warden Student Relationship

View Warden Student Relationship

Add Mess Student Relationship

View Mess Student Relationship

View All Leave Forms

View All Leave Forms By Filter

View All Complaints

Add Warden

Email

Name

Contact No

Password

DOB

DOJ

Submit

d) VIEW, EDIT AND DELETE USERS

WARDEN DASHBOARD

Add Campus

View Campus

Add Course

Add Warden

Add Student

Add Mess

View Wardens

View Mess

View Students

Add Warden Student Relationship

View Warden Student Relationship

Add Mess Student Relationship

View Mess Student Relationship

View All Leave Forms

View All Leave Forms By Filter

View All Complaints

List of All Wardens

Id	Name	Email	Contact No.	Date of Birth	Date of Join	
1	ADMIN2	admin@ssn		2022-6-16	2022-5-30	OPTIONS
5	warden1	warden@ssn	9999999999	2022-5-31	2022-5-31	OPTIONS

OPTIONS
EDIT ACCOUNT INFO
EDIT PERSONAL INFO
CHANGE PASSWORD
DELETE

WARDEN DASHBOARD

Add Campus

View Campus

Add Course

Add Warden

Add Student

Add Mess

View Wardens

View Mess

View Students

Add Warden Student Relationship

View Warden Student Relationship

Add Mess Student Relationship

View Mess Student Relationship

View All Leave Forms

View All Leave Forms By Filter

View All Complaints

View Students

Campus

SSN Chennai

Course

BE CSE

Batch

2019

Filter

Id	Name	Email	Contact No.	DOB	Gender	Room No	
7	Jack	student13@ssn	9999999999	2004-6-1	M	E-100	OPTIONS

e) MAP A SPECIFIC WARDEN TO SPECIFIC SET OF STUDENTS (LEAVE REQUEST AND COMPLAINTS ARE SENT ONLY TO THEM)

WARDEN DASHBOARD

Add Campus

View Campus

Add Course

Add Warden

Add Student

Add Mess

View Wardens

View Mess

View Students

Add Warden Student Relationship

View Warden Student Relationship

Add Mess Student Relationship

View Mess Student Relationship

View All Leave Forms

View All Leave Forms By Filter

View All Complaints

Add Warden Student Relationship

Warden

ADMIN2 null

Campus

SSN Chennai

Batch

2019

Submit

WARDEN DASHBOARD

Add Campus

View Campus

Add Course

Add Warden

Add Student

Add Mess

View Wardens

View Mess

View Students

Add Warden Student Relationship

View Warden Student Relationship

Add Mess Student Relationship

View Mess Student Relationship

View All Leave Forms

View All Leave Forms By Filter

View All Complaints

Warden Student Relationship

Warden Id	Warden Name	Campus Id	Campus Name	Campus Location	Batch	
1	ADMIN2	6	SSN	Chennai	2019	DELETE

f) VIEW AND PROCESS LEAVE FORM REQUESTS

WARDEN DASHBOARD

Add Campus

View Campus

Add Course

Add Warden

Add Student

Add Mess

View Wardens

View Mess

View Students

Add Warden Student Relationship

View Warden Student Relationship

Add Mess Student Relationship

View Mess Student Relationship

View All Leave Forms

View All Leave Forms By Filter

View All Complaints

Displaying All Leave Requests...

Request ID	Student Name	Campus Name	Course Name	Batch	Contact No	Request Date	From Date	To Date	Reason	Status
8	Jack	SSN	CSE	2019	9999999999	2023-4-1	2023-4-10	2023-4-17	Home	NOT_VIEWED

Change Status

ACCEPT

REJECT

g) VIEW COMPLAINTS

WARDEN DASHBOARD

Add Campus

View Campus

Add Course

Add Warden

Add Student

Add Mess

View Wardens

View Mess

View Students

Add Warden Student Relationship

View Warden Student Relationship

Add Mess Student Relationship

View Mess Student Relationship

View All Leave Forms

View All Leave Forms By Filter

View All Complaints

View All Complaints

Complaint Type

WIFI

Status

NOT_RESOLV

From Date

01-06-2022

To Date

04-06-2022

Filter

Complaint Id	Student Name	Campus Name	Course Name	Batch	Room No.	Contact No	Complaint Date	Complaint Type	Complaint	Status
5	Jack	SSN	CSE	2019	E-100	9999999999	2023-4-1	WIFI	Bad Wifi	NOT_RESOLVED

3. WARDEN



WARDEN DASHBOARD

- View All Leave Forms
- View All Leave Forms By Filter
- View All Complaints
- Change Password

The screenshot shows a dark-themed dashboard for a Warden. On the left is a purple sidebar with the title 'WARDEN DASHBOARD' and a red arrow icon. Below the title are four menu items: 'View All Leave Forms', 'View All Leave Forms By Filter', 'View All Complaints', and 'Change Password'. The main content area is a solid dark blue.

4. STUDENT

a) SEND LEAVE FORM REQUEST



STUDENT DASHBOARD

- View Leave Forms
- Leave Request Form
- Register Complaints
- View Complaints
- Cancel Mess Bills
- Change Password

Leave Request Form

From Date: 10-06-2022

To Date: 17-06-2022

Reason: Home

Submit

The screenshot shows a dark-themed dashboard for a Student. On the left is a purple sidebar with the title 'STUDENT DASHBOARD' and a red arrow icon. Below the title are six menu items: 'View Leave Forms', 'Leave Request Form', 'Register Complaints', 'View Complaints', 'Cancel Mess Bills', and 'Change Password'. The main content area is dark blue and titled 'Leave Request Form'. It contains three input fields: 'From Date' with the value '10-06-2022', 'To Date' with the value '17-06-2022', and 'Reason' with the value 'Home'. Below these fields is a 'Submit' button.

b) VIEW LEAVE FORM REQUESTS

STUDENT DASHBOARD

View Leave Forms

Leave Request Form

Register Complaints

View Complaints

Cancel Mess Bills

Change Password

Displaying All Leave Requests...

Request ID	From Date	To Date	Reason	Status
8	2022-6-10	2022-6-17	Home	NOT_VIEWED

c) REGISTER AND VIEW COMPLAINTS

STUDENT DASHBOARD

View Leave Forms

Leave Request Form

Register Complaints

View Complaints

Cancel Mess Bills

Change Password

Complaint Registration

Complaint Type

WIFI

Description

Bad Wifi

Submit

STUDENT DASHBOARD

View Leave Forms

Leave Request Form

Register Complaints

View Complaints

Cancel Mess Bills

Change Password

Displaying All Complaints

Complaint ID	Complaint Date	Complaint Type	Complaint	Status
5	2022-6-1	WIFI	Bad Wifi	NOT_RESOLVED

Change Status

Change Status

RESOLVED

NOT RESOLVED

d) CANCEL MESS BILL

STUDENT DASHBOARD

View Leave Forms

Leave Request Form

Register Complaints

View Complaints

Cancel Mess Bills

Change Password

Mess Bill Cancellation

From Date

04-06-2022

To Date

08-06-2022

Submit

5. MESS

a) VIEW BILL CANCELLATIONS

MESS DASHBOARD

View Bill Cancellation by Filter

View Students List

Change Password

View Bill Cancellation By Filter

From Date01-06-2022

To Date11-06-2022

Filter

SNo	Student Name	Campus Name	Course Name	Batch	Contact No	Request Date	From Date	To Date
1	Jack	SSN	CSE	2019	9999999999	2023-6-1	2022-6-4	2022-6-8

b) VIEW STUDENTS LIST AND THEIR BILL CANCELLATIONS

MESS DASHBOARD

View Bill Cancellation by Filter

View Students List

Change Password

Complaint Registration

CampusSSN Chennai

CourseBE CSE

Batch2019

FILTER

Id	Name	Campus Name	Course Name	Batch	Room No
7	Jack	SSN	CSE	2019	E-100

New Cancellations