

## Tasks Done :

- I have created a user friendly registration and login pages for students, staff, and admin.
- Student Representatives and Admin can post any events or notices on the website.
- Home Page of students, staff, admin shows 10 newly added events
- Students and admin can edit, delete their own posts
- Students and admin can comment on any post (comments are visible to any member on the website)
- Students can register a complaint on mess and room service.
- Staff and admin can see the student complaints and they can reply to the complaint.
- Students and admin can search any posts on the website.
- Students can message any other student on the website and others can reply to the messages.
- Students, staff and admin can view the mess menu.
- Students and staff can see their payment, based on their monthly number of absences.
- Students, Staff, Admin can view their profile and they can edit it any time, credentials like email, roll number, phone number are fixed, no one can edit them.
- On a student profile page, students can see their posts, complaints and they can change their profile image.
- Students can request room service in any preferred slot.
- Students and staff can give feedback on the website, mess service on the feedback page .
- If any student or staff forgot his/her password, one can easily change with a security question, which is answered by the student in the edit profile page.
- Staff can apply leave on the website and they can track their application.
- Admin can view all leave applications of staff and he/she can grant/reject the leave letter.
- Mess and Room Service staff can see complaints, and they can also view the student's profile and reply to it.
- Admin can search any student or staff using their first or last names.
- Admin can message any student/staff directly and admin can mark any student on any day.
- Only the admin can view the feedback which is submitted by students and staff.
- Admin can view any student or staff profile.

## Front End :

- For the front end purpose, I have used HTML5, CSS, BootStrap and Javascript.

## Back End :

- For Back End I have used PHP.
- I have implemented below functions in php.
  - 1) InsertPost() #to insert post by student
  - 2) InsertadmPost() #to insert post by admin
  - 3) get\_posts() #returns all student posts
  - 4) get\_posts\_for\_staff() #returns posts for staff(ie only readable mode)
  - 5) get\_admposts() #returns posts by admin
  - 6) get\_my\_post(\$id) #return posts by \$id
  - 7) single\_post() #directs us to the single post to comment or delete
  - 8) results() #to get search result of a post
  - 9) search\_student() #admin uses to search any student
  - 10) search\_staff() #admin uses to search any staff
  - 11) search\_absent() #return absent member's details
  - 12) admin\_show\_messcomplaints() #returns mess complaints
  - 13) admin\_show\_roomcomplaints() #returns room complaints
  - 14) admin\_show\_topcomplains() #returns newly added complaints
  - 15) get\_complaints\_for\_staff(\$type) #return mess complaints for mess worker and room service complaints to room service workers
  - 16) insert\_student() #insert newly registered student into db
  - 17) insert\_staff()
  - 18) insert\_admin()
  - 20) delete\_post()
  - 21) edit\_post()
  - 22) mark\_absent()
  - 23) pagination()

## **Database : HMS**

### **1)admin**

- \*admin\_id**
- \*first\_name**
- \*last\_name**
- \*uid**
- \*admin\_image**
- \*admin\_email**
- \*admin\_pass**
- \*amdin\_birthday**
- \*amdin\_post**
- \*admin\_phone**
- \*admin\_gender**
- \*admin\_reg\_date**

### **2)attendance**

- \*id**
- \*user\_id**
- \*user\_type**
- \*date**

### **3)comments**

- \*com\_id**
- \*post\_id**
- \*student\_id**
- \*comment**
- \*comment\_author**
- \*comment\_by**
- \*date**

### **4)feedback**

- \*id**
- \*content**

### **5)leave\_applications**

- \*id**
- \*staff\_id**
- \*reason**
- \*from\_date**
- \*to\_date**
- \*permission**

## **6)menu**

- \*dayNo**
- \*day**
- \*break\_op1**
- \*break\_op2**
- \*lunch\_veg**
- \*lunch\_nonveg**
- \*snacks**
- \*dinner\_veg**
- \*dinner\_nonveg**

## **7)messages**

- \*id**
- \*user\_id**
- \*user\_type**
- \*admin\_id**
- \*msg\_body**
- \*msg\_date**
- \*msg\_seen**

## **8)mess\_complaints**

- \*id**
- \*student\_id**
- \*complaint**
- \*complaint\_type**
- \*reply**
- \*date**

## **9)posts**

- \*post\_id**
- \*student\_id**
- \*post\_content**
- \*post\_image**
- \*post\_by**
- \*post\_date**

## **10)service\_call**

- \*id**
- \*student\_id**

- \*from\_time
- \*to\_time
- \*to\_p
- \*room\_no

## 11)staff

- \*staff\_id
- \*first\_name
- \*last\_name
- \*staff\_name
- \*staff\_pass
- \*staff\_phone
- \*staff\_birthday
- \*staff\_image
- \*staff\_gender
- \*staff\_reg\_date
- \*recovery\_account
- \*status
- \*staff\_job

## 12)students

- \*student\_id
- \*first\_name
- \*last\_name
- \*student\_name
- \*roll\_no
- \*student\_pass
- \*student\_email
- \*student\_phone
- \*student\_birthday
- \*student\_image
- \*student\_posts
- \*student\_rep
- \*student\_gender
- \*student\_reg\_date
- \*recovery\_account
- \*status

## 13)stu\_messages

- \*id
- \*stu\_id

\*stu\_from  
\*msg\_body  
\*msg\_date  
\*msg\_seen

GitHub link : <https://github.com/Ch-Lokesh/HallManagementSystem>.  
All instructions were written on instructions.txt or readme file on github.

Work planned but not done/enhanced.

I was planned to build a payment portal, but I didn't understand google pay API, But I calculated the mess bill based on the student attendance.

At the time of building the website, I have set my browser zoom level as 67%, so please set your browser zoom level to (60 - 70)% at the time of evaluation.