Hall Mangement System

Submitted to:  
**Sajjadur Rahman**  
Lecturer, Dept. of CSE

**Johra Muhammad Moosa**Lecturer, Dept. of CSE

Submitted by:

Shishir Kumar Sarkar (1005040)  
Yahya Ahmed Sharif (1005048)  
Ehsan-Ul-Haque (1005052)  
Mahmood Ahmed (1005055)

Nayeem Islam (1005060)

Introduction:  
 Our present hall management system is way too backdated. This is not suitable for both the students and the hall management authority. To keep up with this current digital world we need an upgraded well design information system.   
  
Our Objectives:  
1. Seat allocation for students

2. Registration for cultural events and sports

3. Creating a virtual notice board

4. Making a rich database of Library for searching books

5. Digital complain box for students

6. Ensuring an anonymous mess manager election  
  
**Proposed Subsystem**:   
1. Student hall account  
2. Computerized hall seat allocation  
3. Hall mess management system  
4. Cultural and sports event management system  
5. Hall library database system   
6. Virtual notice board  
7. Automated complain box system  
8. Room maintenance  
 **Current Scenario and Problems of the Subsystem:**  
  
1. Backdated management system

1.1. Existing scenario and problem:   
 It is really hard for the hall authority such as provost and assitant provosts to search every room for allotment of a student.

1.2. Our proposed system:

Hall authority can check from the database if a seat is vacant or not. Then he will send information about the room and student will be able to see the information about the room. Then if he applies for the room a message will be send to he hall provost. If the hall provost approves it a confirmation message will go to the student and he will get his desired room.

**2. Lengthy and cumbersome process of registration for sports and cultural events:  
2.1. Existing scenario and problems:**

**For the registration of cultural events and sports we have to go to the hall office and sometimes we have to wait for the persons who approves our registration or application for the events and sports.**

**It is a lengthy process and we have to spend our precious time for this.**

**2.2. Our proposed system:**

**As all the students of the hall have their own account so it will be easy for the students to register online for the sports and cultural events. There will be some section in the sports and cultural events. Suppose if someone wants to play football he will register for football and he can also get his desired jersey number if it is not already booked. He can also register for cultural events such as singing,drama etc.**

**3. Anonymous mess manager election:  
3.1. Existing scenario and problems:**

**Hall authorities select the mess manager by themselves according to the application. Most of the time there are no contestant for this position. Hall authorities also do not care about our opinion. It is totally anonymous.**

3.2. Our proposed system:  
 Students wil be able to give votes through their account using online voting system. Students can apply for the post of mess manager through online.

4. Classical library database:  
4.1. **Existing scenario and problems:**

**Students have to go to the library to search books. But sometimes they cannot find their desired books in the library or their desired writer. So it is really tedious for the students.**

**4.2. Our proposed system:**

**Students will be able to see the books and the writer name using the library database. So they will not have to search the whole library, they can easily find the books in the database. Students can also suggest books to be bought. Updated or newly bought books will be highlighted in the library database.**

**5. Unorganised notice board:**

**5.1.**  **Existing scenario and problems:**

**There is an analog notice board remains hung in our hall. It is not well designed and well organised so it does not catch our eyes. Sometimes the updated and important notice goes unnoticed by the students.**

**5.2. Our proposed system:**

**By creating a virtual notice board we can get rid of all these problems. Important and updated notice will be highlighted in the virtual notice board. Unnnecessary and old notices will be ditched from the notice board.**

**6. No oppurtunity for the mess menu selection:**

**6.1. Existing scenario and problems:**

**There is no opportunities for the student to select the menu for lunch and dinner. Students have to eat whatever is given them to eat. Sometimes it gets monotonous for all of the students.**

6.2. Our proposed system:

Students will be able to choose what he will eat for lunch and dinner. Mess manager will provide suitable menu for the students and then after the menu selection he will buy the commodities accordingly.

7. Backdated room maintenance:

7.1. **Existing scenario and problems:**

**If any student has some problems in his room he has to go to the hall management authority to submit a complain and wait for their response. Sometimes he has to go several times for that reason and sometimes he has to be dissapointed.**

**7.2. Our proposed system:**

**In our proposed system we have a complain box. When someone complains for room maintenance it will get special privilage and will be reported with importance, so that it does not get unnoticed by the authority.**