**inSight 2017**

**Department : Hostel Office**

**Problem Title : Hostel room allocation**

**Problem Code : PS02**

**Problem Description :**

With the large number of hostel applications received every year, the allocation of rooms to each applicant is a very tedious task. A software solution which would enable the hostel department with the allocation of rooms which would also make it easy for the students (they don’t have to stand in long queues anymore for allocation) would benefit both the management and the students. The priority number concept must be followed. Priority number is given on the basis of first come first serve basis on the mode of payment.

This system must be able to generate report of occupants of each hostel and the rooms which are unallocated after allocation.

Note: The solutions can include webapps, stand-alone windows systems, android apps etc.

**Proposed solution:**

**As it is a tedious task for the students as well as the for staff members at the time of hostel allocation .We would like to present our idea to minimize the time and human energy consumption during allocation of rooms and to manage the records effectively. So, here we propose our idea:**

**First a web page will be created in which students will enter the hostel receipt number first then we will check the validation of receipt no. ,then the priority no. Will be generated(initially the priority pointer will be assigned to null, then as the receipt numbers goes on increasing, priority numbers will be generated).**

**Then ,student has to login with usn and priority no.(check the validation for receipt no. And usn)then, room no. Is to be entered then one field will display whether the room is allotted or not and the no. Of vacant beds and the person name and branch of the other occupants .They can select the rooms after filling all their details. All the details of students are updated on a linked database that will be handled by the management only.**

**Technology Stack :**

**For web designing we use html , css and javascript.**

**For server side web development we use php.**

**To manage the database we use mysql.**

**Use Case:**

RECEIPT NO.

USER

ERROR DISPLAY

RECEIPT NO. GENERATION

LOGIN USN ,PRIORITY NO.

ENTER ROOM NO.

DISPLAY OCCUPANCY

REGISTER

**Team Members details:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Role** | **Name** | **USN** | **Email id** | **Phone no.** |
| Team Leader | Sakshi | 1SI16CS093 | sakshiwin.win@gmail.com | 7004819652 |
| Team Member 1 | Sakshi | 1SI16CS093 | sakshiwin.win@gmail.com | 7004819652 |
| Team Member 2 | Harshitha S | 1SI16EC027 | harshitha.sj07@gmail.com | 7795502238 |