**inSight 2017**

**Department : Hostel Office**

**Problem Title : Digital hostel residents’ record and complaint management**

**Problem Code : PS01**

**Problem Description :**

Every year there are large numbers of students opting to reside in the hostels. It is a very difficult task to maintain and search manual records for the details of these students. If such software solutions can be developed enabling the hostel department with the features mentioned below, it would reduce severe amount of man power and time.

Features the system should include:

* Provisions to add and modify details of the students (including personal details, academic details, room number, hostel block etc.)
* Provisions of searching of records based on any of the fields as mentioned above.
* Registering of complaint by the students. They should also be able to track their complaint status.

**Any more innovative features are welcome and would attract additional points**.

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

**Proposed solution:**

**It would be a stand alone windows system..**

**The first frame of this application contains two buttons namely Admin and Student.**

1. **.If the user is Admin then a login frame will open up.For the login frame of admin the username and passward is already stored in the database.This will check whether the username and passward entered is correct or not.If the login is successful then a frame consisting of the following buttons will be opened:**
2. **Add student**
3. **Delete student**
4. **Update student**
5. **Search student**
6. **view complaint**
7. **response**

**If suppose Add student button is clicked then it will open up a frame consisting the details of hostel student like usn,name,block,branch etc. ( all the necessary details which need to be filled).All the filled details will be stored in a database.**

**if suppose the other mentioned button is pressed then it will open up a frame asking that on which basis the record is to be managed.According to that the data will be fetched from the database and displayed in jtable in netbeans frame..**

1. **.If the user clicks on the student button then a frame(login and registration) will be opened.If the user is not registered then first he need to get himself registered by filling the details asked in registration frame.**

**Then he should login.if the login is successful then a new frame consisting of the the following buttons will be opened:**

1. **View profile**
2. **Add complaint**
3. **track complaint**
4. **view complaint**

**According to the selection of the buttons the data will be fetched from the database and will be displayed in the particular frame in netbeans..**

**Technology Stack :**

**Netbeans IDE 8.0 (for design and coading) and MYSQL(for storing the datas).**

**Use Case:**

**Team Members details:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Role** | **Name** | **USN** | **Email id** | **Phone no.** |
| Team Leader | Kundan Kumar | 1SI16CS054 | Kundan.bvm@gmail.com | 9066020314 |
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