

Hostel Management System

Objectives

The purpose of this project is to create a software which can be used to manage hostel services particularly at LNMIIT hostels. We plan to provide an interface through which management of Rooms and Mess Services becomes user friendly and timesaving.

Current scenario

Hostels are an important part of students daily life . Most of their time is spent either while living at hostels or spent around activities related to hostel life. Providing all sorts of services to the students living away from their homes is a constant feature at LNMIIT hostels as residing in hostels is compulsory as per institute policy.

Submodules in our project

Room Management: Our software will make the tasks related to allocation of hostels, student data management and attendance simpler.

Maintenance: Our software will help the staff manage the room inventory and keep track of electricity and water supply issues. Issues related to lifts, LAN network and similar issues will be addressed. We plan to add an announcement facility which will inform the residents about electricity or water shortage during maintenance events as well as fogging.

Mess Management: Through our software the users will be able to view mess schedules, and mess menu. The registering of complaints and use

of coupon system will be accessible in an online mode, thus making it easier to keep track of data. Identity verification will ensure that only the students allotted a particular mess are using it.

Features:

1. Admin login is there for one who administers hostel and mess.
2. User login, they are mainly students and staff.
3. Complaint panel, where students can register any complaint.
4. Mess menu, where administrator can update mess menu.
5. Automatic room allocation for students.
6. Allocation of mess for different batches.
7. Refund for students who do not eat in mess.
8. Admin can flag any wing of Hostel for the misconduct of hostellers.

References

For this study we have taken feedback and input from the Residents of BH1, and the Residents of GH .

Room Management

Objectives

Through this module our primary aim is to manage the services related to hostel rooms and the students living there. The Hostels at LNMIIT house a large number of students and have many rooms. Therefore, managing their data through a software module will make it easy to manage these services.

Our module will store data related to allocation of students to their hostel rooms and their contact numbers. Their parents' contact information will also be stored for .Thus providing easy access to this information.

Current scenario

Presently all the data related to students and their room allocations are collected on paper. Revising the student details and room wise allocation details is also done on paper.

Existing problems

Currently if a person wants to change his/her room due to any issue the process is difficult and takes a lot of time.

Data relating to students' presence in hostel is quite difficult to maintain and students face many difficulties while taking leaves and travelling.

If students get sick then there are no guidelines regarding quarantine ,thus it increases the risk of spread of diseases.

Facilities we plan to add

We plan to add functionalities related to the following tasks

- Attendance data management
- Allocating quarantine rooms to sick students
- Providing rooms and services to guests during fests

Existing facilities which will be enhanced using our module

- Allocation of new rooms to freshers
- Data entry and updation related to already residing students
- Managing room change applications

References

All the functionalities and problems highlighted above are based on ideas and experiences collected from residents of BH1 and residents of GH.

Maintenance

Objective

Through this module we aimed towards the civic amenities of students living in hostels and for their peaceful living. Here we are covering the inventory stats to required information delays/change in schedule of amenities in use . We are also putting a major effort into generic issues of students living in hostels as they play a major role in peaceful living.

Current scenario

In the current scenario, all these processes are done physically on paper and sometimes takes a lot of time. Thus, small issues may take a lot of time to get fixed in comparison to the number of complaints and changes to be made.

Existing problems

Currently complaints the complaint once registered takes a lot of time to reach the concerned person. Also the announcements regarding power cut and water supply disruption are made only a few minutes before disruption.

Facilities we plan to add

- Room Inventory Check
- Room Specific Problems
- Generic Complaints
- Announcement Section

Existing facilities which will be enhanced using our module

- Efficient and reachable platform for students to reach with their problems.
- Time to fix problems will be minimized.
- Requirements can be monitored closely.

References

All the functionalities and problems highlighted above are based on ideas and experiences collected from residents of BH1 and residents of GH.

Mess Management

Objective

Through this module we aim to provide effortless management of mess services at LNMIIIT. Students anticipate correct information regarding mess allocation and quickly being able to use the mess services. Our work will be in accordance to that .

Current scenario

Most students (while residing on campus) use mess nearly everyday as it is a mandatory service for which they are paying. Some of them are used from students of multiple hostels .In addition some mess services are associated with a particular hostel only .

Existing problems

Verifying whether students are not using a mess not allocated to them is a long task.

Facilities we plan to add

- Digital access to coupon whenever coupon system is applied

Existing facilities which will be enhanced using our module

- Displaying mess schedule
- Displaying mess menu and changes
- Identity verification
- Managing mess workers related data

References

All the functionalities and problems highlighted above are based on ideas and experiences collected from residents of BH1 and residents of GH.