

Hostel Room Allocation System - Abstract

Purpose:

As the name specifies “HOSTEL ROOM ALLOCATING SYSTEM” is a software developed for managing various activities in the hostel. As we can notice that educational institutions are increasing year by year, thereby the number of hostels is also increasing at the same pace. Since this can be a lot of strain on the person who is running the hostel and software’s are not usually used in this context. Therefore there is a greater need for a software for the accommodation of the students studying in these institutions which manages this activity of maintaining hostels. And also considering the fact that a well reputed college like NITC which is ours, is taking the choices of students for allocation of rooms from google forms and not by a GUI(in our knowledge), which is why we wanted to target this aspect and bring this software to life.

Objective:

This particular project aims at the problems of managing a hostel and avoids the problems/errors which occur when carried manually. Identification of the drawbacks of the existing system which includes the terrible procedures like filling many forms and waiting in long queues for hours to submit those forms in hostel offices which ultimately leads to a lot of paperwork, which is very inefficient. This problem leads us to the development of computerized hostel management systems that will be compatible with the current manual system. And also which is more user friendly and more GUI oriented and can sustain from any kind of inside and outside attacks of data.

This software is basically a web application which targets the key aspects like implementing a strong and secret database which in turn prevents the attacks from different levels. This software also makes students interact with the hostel office in every possible way it could, that includes receiving complaints from students and solving those within a specified period of time, and making these complaints public results in a transparent management system which is highly encouraged/appreciated by anyone.

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