WEB MINI PROJECT PROPOSAL	PROJECT GROUP NO:
DEPARTMENT: COMPUTER SCIENCE AND ENGINEERING	**ACADAMIC YEAR: 2020-21**

Proposed Title of the Project

HOSTEL MANAGEMENT SYSTEM

Introduction

- There has been a cosmic increment in the quantity of educational sector particularly over the most recent four decades everywhere throughout the world. This improvement has brought education to the doorstep of individuals. Therefore, it has expanded information and helped create a population of edified residents who can without much of a stretch comply with the principles of civilized society.

- A large portion of the recently established educational institutions, are utilizing the old ordinary procedures for dealing with all the record keeping and especially for managing hostel facilities. This old method of managing records hence have an adverse effect on the efficiency of the institution. The proposed framework overcomes the disadvantages of traditional techniques for hostel administration; it is easier to use, graphical-UI oriented. The Hostel Management System is an online site developed for managing different activities in the hostel. It is very easy to use with a user-friendly GUI to automate, arrange and handle all the procedures of managing hostel offices.

- Most of the hostel facilities especially in institutions in developing countries are managed with conventional manual methods and this has been impacting negatively on the effective resource utilisation and overall efficiency of these academic institutions. So, to reduce the difficulties and increase the efficiency became the motivation for our project. With the help of this project we decided to reduce difficulties in record management and to decrease difficulty in tracking the history of a facility. Also, this system will save a lot of time and save human & material resources.

Literature Review

- In an attempt to review existing literature on this innovation - Hostel Management System, we came across a number of similar products that are in use in many colleges worldwide. College Hostel Management Software developed by Initio has six modules such as the library module, the transport module, the hostel module, the inventory/store module, the enquiry module and the visitors tracking module. It offers information on the building, rooms and students. Microbes Hostel system is another software product that automates the hostel facility management exercise. It has several compelling features like powerful reservation management, synchronization of computers, reception and cash box administration, point of sale, accounts statistics and reports.

- In current scenario all the details related to people living in hostels are managed by humans manually and by the help of pen and paper. Everything is so complex because it is not easy to handle all the information of the various people living in a hostel by the help of registers. So, to reduce this complexity and manage the hostel without any complexity we have to use this project. By using this project, we can easily manage all the data without any extra manual effort. We have to just register the person who is coming to stay in our hostel and rest of the work is managed by the system itself. We can add new entry easily in a pre-structured way. We can maintain the room number and floor number easily without any problem and can maintain the information regarding the fees and the date at which the student registered and when he leaves the hostel. He/she can also manage its own details. So, this will also reduce the burden from the mind of the manager of hostel from the responsibility of maintaining and updating the information regarding the person who is living there. In all the aspects this project is totally beneficial for the manager of the hostel as well as the persons who are staying there.
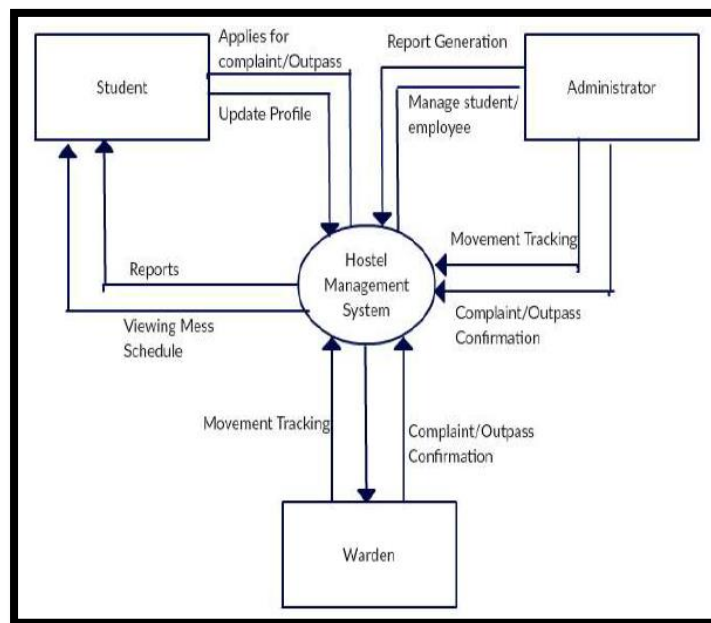
Objectives

- Primary objectives of the proposed system are to help automating basic hostel management activities. The basic hostel management activities comprise of activities like:
    1. Insert the student details and other records.
    2. Students can enroll their complaints in complaints page.
    3. Hostellers can check the status of their hostel fee.
    4. Room Allotment to the hostellers.
    5. Outpass application for the students.
    6. Providing data integrity of the student using approved login
    7. To display daily mess schedule managed by the admin.
    8. Mail notifications to the student, guardians, and other hostel worker.
- Secondary objective of the proposed system is to create strong and secrete database that allows for any connection in a secret way, to prevent any outside or inside attacks.

Requirement Details

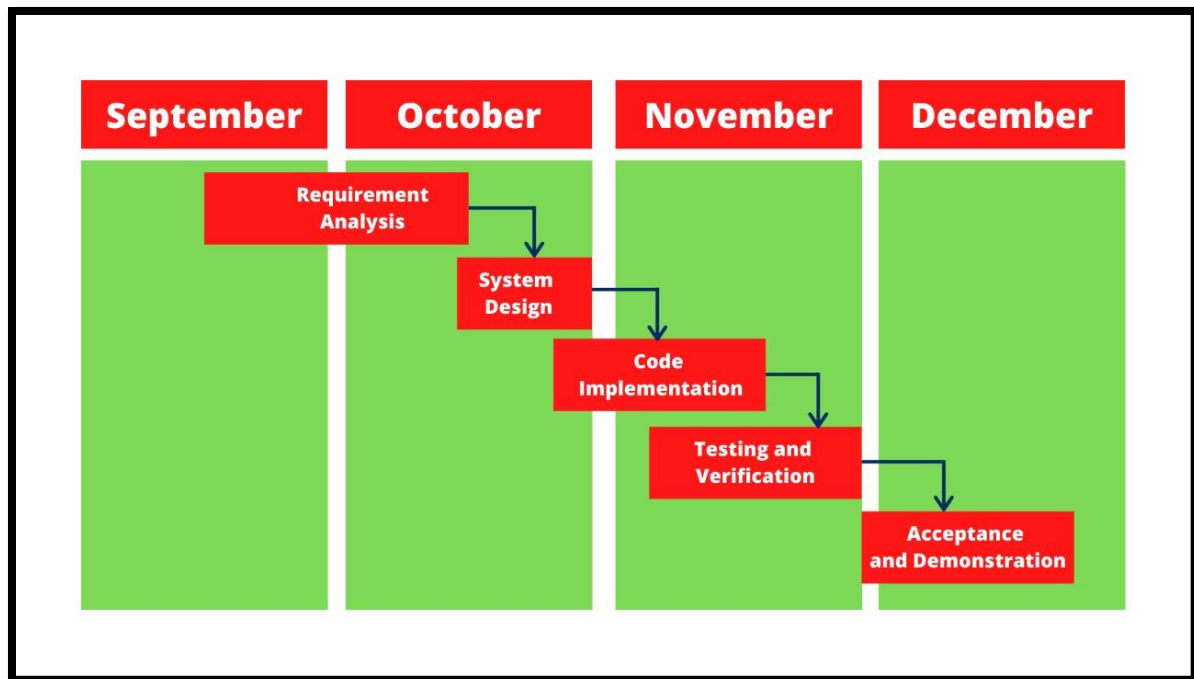| 1. Hardware	
2. Software	Brackets, VS Code, XAMPP Server
3. Skill sets	HTML, CSS, Bootstrap, JavaScript, PHP, MySQL
4. Others	

Figure(s)/Drawing(s)

Methodology

- The system has a unique approach to tracking information and report generation which is vital in data handling. This makes the proposed system more robust, more reliable and efficient. Entire gamut of the system comprises of several modules for room allocation, inventory management, time-tabling, transportation scheduling and other administrative activities. It can be well defined to track performance within the application of hostel accommodation system. The system uses one single central database to handle the complexity of student's hostels management and all administrative functions.

- The Hostel Management System is an online site developed for managing different activities in the hostel. It is very easy to use with a user-friendly GUI to automate, arrange and handle all the procedures of managing hostel offices. This is an online site which is developed using HTML and CSS for front end and PHP & JavaScript for backend. The site will be a great relief to the workers. It is very helpful especially in large institutional organizations with a huge number of hostels. Using this website takes care of all the procedures carried in managing hostels.

Flowchart (Plan of Action)

Expected Outcome of the project

- The outcome expected is in form of an Online Management System for Hostels which is been created utilizing HTML, CSS, PHP, JavaScript and MySQL. A user-friendly computer-based system is expected to be made at end for managing hostel facilities in institutions. It will be capable of managing Enquiry details, Student Details, Payment Details etc. The developed system will provide solution to manual hostel management problems and also provides information such as hostel information, hostel room information, and hostel accounts information.

References

1. Ritesh Kumar Bista, Aman Jung Karki, Beesu Venkat Mouneesh Reddy, Utkarsh Aakash, Dr. Rajasimha A Makaram, Shilpa Das - Hostel Management System : ISSN No: 2456 - 6470 (May 2018)
2. Kola Ayanlowo, O. Shoewu, Segun O. Olatinwo, Olusegun O. Omitola, Damilola D. Babalola - Development of an Automated Hostel Facility Management System : ISSN No: 2331-5172 (September 2014)

Project Batch members

S.No.	USN	Name	Signature with date
1.	4MW17CS064	Raunak Choudhary	
2.	4MW17CS077	Shetty Vighnesh Dhanraj	

Accepted/Rejected:

Suggestions for implementation:

Guidance

Guide (s) allotted	Signature (s) with date
Sharath Kumar	