

Project Proposal

On

Individual Project

Hostel Management System

Submitted by

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1.Introduction

1.1 Background and Motivation

Hostel is a not a less than a home for students when staying away from their home. It has large well ventilated dormitories and single rooms and is situated in the school premises. Providing clean and calm hostel accommodation is one of the key responsible of school management.

To manage the hostel facilities, a lot of data need to be maintained such as number of student hostel can accommodate, hostel rules and regulation, hostel fee, hostel in and out of student, guest and visitor record and so on. So, this need the system which has an ability to capture all kind of data and information and analysis it properly for smooth functioning of the hostel. Hostel warden can easily maintain the data.

Hostel Management in schools often involves administering of all activities of students. All these still remains difficult and require some job for the top management. Hostel Management functions and responsibilities in modern day schools have always been a problem in managing, because of the manual system method of tools they use. Hostel Management System is well designed specially to meet challenges of administrative set up of any school.

HMS can be used to assist in student's allocation, setup hostel information, hostel application, student outing record and visitor management. In short, this system will assist the staff in managing the hostel management at school.

1.2 Aim and Objectives

Aim

The project is "Hostel Management System" will be an web based system that will be used for maintaining the records in an organized manner and to replace old paper work system. This project aims at automating the hostel management for smooth working of the hostel by automating almost all the activities. Updates and modifications will be easily and achievable and all the calculations and accounting work would be accurate.

Objectives

- ❖ Maintain the students as hostellers and waiting list students separately.
- ❖ Students will no longer apply for their hostels manually.
- ❖ The warden can see and access the student's data.
- ❖ To know number of items (e.g:bed,chairs) given to student staying in the hostel.
- ❖ Students can register the complaints.
- ❖ Admin can edit notice board and each student can view it.
- ❖ Hostel secretary can calculate hostel fee including mess fees and edit mess menu.
- ❖ Hostellers can check the status of every month's fee.

2. Problems Statement

After make an observation on the current process of hostel management at school, it found that every single thing is done completely by manual.

In the current manual system, it will very difficult to find the hostel record and other information of student manually. Because it has been keep on the paper and it is easy to loss. It also consume time to search the paper of student hostel record one by one.

The manual system requires longer time for allocation the student to respective hostel, dorm, and bed.

Besides that, the manual application will lead toward a hassle data management for faster student allocation as well as managing the data for faster task such as student's activities, student outing record and managing visitors.

Disadvantages

- More human power
- More strength and strain of manual labour needed
- Repetition of same procedure.
- Low security.
- Data redundancy.
- Difficulty to handle.
- Difficulty to update data.
- Record keeping is difficult.
- Backup data can be easily generate

3. Existing System

- ❖ The existing system is manually maintained system.
- ❖ It involves hand-written records stored into various registers.
- ❖ Requires a lot of time as well as manpower.
- ❖ It is very difficult to maintain or update all the records and retrieve a certain data.
- ❖ The loss or damage of any of the registers leads to the damage of hundreds of records at a time.
- ❖ Reports need to generated manually.

4. Proposed System

The proposed system is having many advantages over the existing system.

Advantages of Proposed System

- ❖ Less human error.
- ❖ High security.
- ❖ Easy to handle.
- ❖ Easy data updating.
- ❖ Easy record keeping.
- ❖ Data consistency.
- ❖ Data redundancy can be avoided to some extent.
- ❖ Backup data can be easily generated.

5. Project Feasibility

5.1 TECHNICAL FEASIBILITY

The technical feasibility in the proposed system deals with the technology used in the system. It deals with the hardware and software used in the system whether they are of latest technology or not and if it happens that after a system is prepared, a new technology arises and the user wants the system based on that technology. This system use windows platform, apache server, sql for database, php as the language and html or xml as user interface. Thus HOSTEL MANAGEMENT SYSTEM is technically feasible.

5.2 ECONOMIC FEASIBILITY

Economic analysis is the most frequently used method for evaluating the effectiveness of a new system. More commonly known as cost/benefit analysis. Php, html, xml and sql database are easily available on internet.

5.3 OPERATIONAL FEASIBILITY

The project has been developed in such a way that it becomes very easy even for a person with little computer knowledge to operate it. This software is very user friendly and does not require any technical person to operate .Thus the project is even operationally feasible.

6. Project Plan and Schedule

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
Problem Definition							
Analyzing system							
System Designing							
Implementation							
System Testing							
Documentation							

7. Software Configuration

SOFTWARE CONFIGURATION

A major element in building a system is the section of compatible software since the software in the market is experiencing in geometric progression. Selected software should be acceptable by the firm and one user as well as it should be feasible for the system. This document gives a detailed description of the software requirement specification. The study of requirement specification is focused specially on the functioning of the system. It allow the developer or analyst to understand the system, function to be carried out the performance level to be obtained and corresponding interfaces to be established.

Technology Implemented: Apache Server

Language Used: PHP

Database: My SQL

User Interface: HTML, AJAX

Web Browser: Mozilla, Chrome or Internet Explorer 8(or newer)

Software: XAMPP or WAMP Server

Operating System: Windows XP or higher versions

8. References

1. You tube videos

- ❖ How to install and run Wampserver64.
- ❖ How to connect and handle database.
- ❖ How to create handle error in PHP and MYSQL database.

2. Tutorial websites

- ❖ www.tutorialpoints.com
- ❖ www.w3school.com