Stamford University Bangladesh

Department of Computer Science & Engineering

Hostel Management System

Software Engineering
Lab

CSI-331

Primary Proposal & Feasibility Analysis

Submitted By:

Mostak Ahmed CSE 06307481

Nahid Hasan Manna CSE 06307468

Abu Adnan CSE 06307482

Introduction:

Hostel Management system (HMS) is a web based system for managing various activities in the hostel. This helps to avoid problems when manually carrying them. This improves system performance. HMS as the following features-

***Manage the activities of MANAGER, MEMBERS.**

***Ability to create applications, Add member, delete, meal add/view, shopping amount, other cost, view meal rate, total meal, DMP form .**

Motivation for this Project:

As a student, I can better understand the problems we face every day in our lives. Finally, I got a lot in my mind about the final project method. More on-the-go, with on member details and hostel management maintain facilities.

I had been thinking about final project for a few days, thinking about what to do for the final project. Last weekend I decided to develop a system for hostel management that is more accessible to the current situation of our hostel student.

When I discussed it with my warden, they also encouraged and encouraged me to develop this good system for the good purpose of saving student time and money because, they said, this activity is usually a time consuming one for students because it requires them to get a renewal or a registration or hostel fee. The room of payment, fill it out. Warden and identic a get signed. So, this procedure takes more than two days.

Project Goals:

The project is called "Hostel Management System". This will be a web-based system that will be used to maintain records in an organized manner and to replace the old paperwork system. The purpose of this project is to automate the management of the host almost all activities update and changes will be easily achievable and all count now accounting work will be correct.

Resource Requirement:

I have needed some Hardware thing to do this project An Online host with the following Features

a. RAM 4GB

b. Hard disk space (30GB).

c. Unlimited and bandwidth

And also, I have needed some software to do this system efficiently

1. **PHP, HTML, JQUERY, JavaScript and CSS.**
2. **Online Host (cloud Storage)**
3. **Database Software (My SQL).**
4. **Domain Name.**

Features of The Project:

1. Member add

2. Member Delete

3. View Information

4. Create DMP Form

5. Add meal

6. Add shopping cost

7. Add other Cost

8. View meal rate

9. Member log in

10. View member information

Project Feasibilities:

1. **Technical feasibilities**

The technical feasibility of the proposed system is related to the technology used in the system. It discusses whether the hardware and software used in the system is of the latest technology, and if it happens that after a system is ready, a new technology emerges and the user wants the system based on that technology. This system uses HTML as a Windows All platform, Apache server, SQL for database, C# as a language and user interface.so the hostel management system is technically possible.

2. **Economic Feasibility**

Economic analysis is the most commonly used method for evaluating the effectiveness methods. More commonly known as cost / benefit analysis C#, HTML, and SQL databases are easily available on the Internet.

3. **Operational Feasibility**

The project is developed in such a way that it becomes very easy to execute with any computer knowledge. This software is very user-friendly and does not require a technical person to manage it, so the project is even possible.

Scheduling :

1. Analysis

2. Planning

3. Construction

4. Deployment

Analysis

Activity	Description	Precedence	Time (in week)
01	Project Study & Goal Setup	none	01
02	Meeting with Clients	01	01

Planning

Activity	Description	Precedence	Time (in week)
03	Collecting requirements	01	01
04	Detailed requirements	02	1
05	Proposition of requirements	02	1

Construction

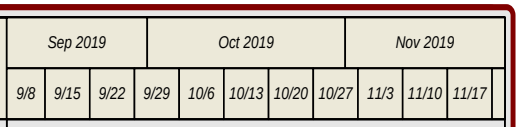
Activity	Description	Precedence	Time (in week)
06	Database Development	05	03
07	UI Design	05	02
08	Coding	07	03

Deployment

Activity	Description	Precedence	Time (in week)
09	Software Testing	08	02
10	Feedback & Launching	09	01

Gantt chart

ID	Task Name	Start	Finish	Duration
1	Project Study & Goal Setup	9/9/2019	9/13/2019	1w
2	Meeting with clients	9/16/2019	9/20/2019	1w
3	Collecting Requirements	9/16/2019	9/20/2019	1w
4	Detalled Requirements	9/23/2019	9/27/2019	1w
5	Proposition of Requirements	9/23/2019	9/27/2019	1w
6	Database Development	9/30/2019	10/18/2019	3w
7	UI Design	10/7/2019	10/18/2019	2w
8	Coding	10/21/2019	11/8/2019	3w
9	Software Testing	11/11/2019	11/22/2019	2w
10	Feedback & launching	11/25/2019	11/29/2019	1w



Risk Analysis

The system will only allow the user to login using a password and username, this way the system will prevent unauthorized access to database. Password are provided to the user too to prevent unauthorized access.

Conclusion

The development of a Hostel Management System is a user friendly system of indents to automate the hostel from manual systems. It is a Computer based system that will handle all activities of the hostel. This system is also flexible, usability, and cost-effective, and can be adapted to any operating system.