

**ONLINE HOSTEL MANAGEMENT SYSTEM  
PROJECT PROPOSAL**

**Higher National Diploma In Information Technology**

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BAT/IT/2018/F/0062**

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## **Project Details**

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## **Introduction**

The **Online Hostel Management System** is web based software to provide college students accommodation to the university hostel more efficiently. This project also keeps details of the hostellers, applied students, visitors and employees. It is headed by Warden. He will be the administrator. For accommodate a large number of students in to hostel.

This document is intended to minimize human works and make hostel allocation is an easier job for students and hostel authorities by providing online application for hostel, automatically select the students from the waiting list and mess calculation, complaint registration, notice board etc. etc. Students will get approval notification in their mails. Hostellers can view notice board, hostel fee, and mess menu by login into the online system.

This System The first and only Hostel management system that full fills all needs in the Hostel management field, all things like managing the reception printing the Room details, student record, bill printing and many more at one place with fully expertise and error free operations.

I have chosen the technology is Web Application. So, I have planned to use here some languages here which are related to do a web Application such (PHP, HTML, CSS, JavaScript and MYSQL).

## **Background and Motivation**

As a Student, I can well understand the problems which are we face daily in our life. Actually, I have got many things in my mind about Final project system. And finally, I have planned to do a system for applying online hostel registration, maintain student details, visitor details, employees detail and more facilities without any problems for Hostel Management.

I was thinking about final project as few days that what to do for final project. At last of past week decided to develop a system for Hostel management which is more usable thing at the current situation for our area Hostel Students.

When I have discussed with my area Warden also they have allowed and encouraged me to develop this good system for good purpose of students to save their time and money because they said, usually this activity being as a time consuming for students because they have to get renewal or registration or hostel fill it up, get sign from warden and Director. So, this procedure taking more than two days.

### **Problem in Brief**

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.

If the owner needs any type of information regarding any person who is currently living in his hostel, then he has to check and open various registers and then also it is not completely sure that he can get the information in the meantime. And if the required information is regarding the person who left the hostel then it is completely a very complex task because the registers containing the information of the person who left the hostel can be sold. Or if their quantity increases they can be destroyed. So to reduce this complexity and manage the hostel without any complexity I have to use this project.

### **Aim**

The Project is “Hostel Management System”. will be an web based software 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 achievable and all the calculations and accounting work would be accurate.

### **Project Objectives**

The main objective of developing the Hostel Management System is to be a feasible information system which is so easy to maintain and to less consuming of time through the system the expected task will be efficiency and effectively .

- Maintain the students as hostellers and waiting list students separately
- Student 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.
- Process allotment list.
- Admin can send the approval notification to every approved student via email.
- Automatically insert student’s details to the hosteller’s record when the allotment is confirmed by the admin and deleted when vacation is conformed or after the course end date.
- Students can register their complaints.
- Admin can edit notice board and each student can view it.
- Hostel secretary can calculate hostel fee including mess fees and can edit mess menu
- Hostellers can check the status of every month’s hostel fee

### **Existing System**

The existing system is manual based and need lot of efforts and consume enough time. In the existing system we can apply for the hostels online but the allotment processes are done manually. It may lead to corruptions in the allocation process as well as hostel fee calculation. The existing system does not Deals with mess calculation and complaint registration.

### **Disadvantages:**

- ❖ More human power
- ❖ More strength and strain of manual labor 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 generated.

### **Proposed System**

The proposed system is having many advantages over the existing system. It requires less overhead and very efficient. The proposed system deals with the mess calculation and allotment process efficiently.

### **Feasibility Study**

#### **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. 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 desktop platform, PHP as front end technology and MYSQL server as backend technology. Thus ONLINE HOSTEL MANAGEMENT SYSTEM is technically feasible.

#### **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. Using PHP and MYSQL database easily available in internet.

#### **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 project is very user friendly and does not require any technical person to operate. Thus the project is even operationally feasible.

### **Resource Requirements**

I have needed some Hardware things to do this project

- I. An Online host with the following Features
  - a. RAM 4GB
  - b. Hard disk space (30 GB).
  - c. Unlimited and bandwidth

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

- I. PHP, HTML, JQUERY, JavaScript and CSS.
- II. Online Host (Cloud Storage).
- III. Database Software (MySQL).
- IV. Domain Name.

## **Deliverables**

Final result of this system easy to analyze all entered data inputs and display and it will produce print format, so easily we may get printout those finalized documents.

I expect to include more future such the finalized documents send to the particular course students. but this feature is optional.

This is a web based system / software up to host it to a server it can make document easily and deliver in CD / DVD. If user wish we may have delivered the zipped product through the e-mail. After the hosting it will be free to use in anywhere in the world.

## **Suggested Starting Point**

As first step I'm going to collect requirements from My Hardy ATI Girls Hostel.

And also, I'm going to collect data from warden about other's procedure.

From those beginning points I'm going to start my project.

## **Time Frame**

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
1. Collecting Requirement							
2. Analyzing							
3. Designing							
4. Implementing							
5. Testing							
6. Documentation							

## **References**

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