Hostel Management System

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Abstract: *"HOSTEL MANAGEMENT SYSTEM" is software developed for managing various activities in the hostel. For the past few years the numbers of educational institutions are increasing rapidly. Thereby the numbers of hostels are also increasing for the accommodation of the students studying in this institution. And hence there is a lot of strain on the person who are running the hostel and software's are not usually used in this context. This particular project deals with the problems on managing a hostel and avoids the problems which occur when carried manually.*

Keywords: Hostel, User, Rooms, Student Registration.

I. INTRODUCTION

This system is designed in favor of the hostel management which helps them to save the records of the students about their rooms and other things. It helps them from the manual work from which it is very difficult to find the record of the students and the mess bills of the students, and the information of about the those ones who had left the hostel All the hostels at present are managed manually by the hostel office. The Registration form verification to the different data processing is done manually. Thus there are a lot of repetitions which can be easily avoided. And hence there is a lot of strain on the person who are running the hostel and software's are not usually used in this context. This particular project deals with the problems on managing a hostel and avoids the problems which occur when caried manually Identification of the drawbacks of the existing system leads to the designing of computerized system that will be compatible to the existing system with the system which is more user friendly. We can improve the efficiency of the system, thus overcome the drawbacks of the existing system. We design this system of the hostel management especially for the college hostel, through this they cannot require so efficient person to handle and calculate the things. This system automatically calculates all the bills and issued the notifications for those students who are against some rules.

II. LITERATURE REVIEW

Hostel management system development using PHP program has lots of codes, Using Internet in gathering information partially contributed to the success of this project. Due to the fact that PHP is an open source program, development of hostel management system was not too difficult. However, thanks to the cyber world (Internet) that makes it possible to study and make comparison in needs of some code function.

Numbers of hostel management system documents were examine and compare to the need of Rufus Giwa Polytechnic proposed hostel management system. For instance, Hostel Management System by Cochin University of Science and Technology Division of Computer Engineering Centre for Engineering Studies Cochin-682022, help in my initial research of hostel management system application.

Among other web site that was used in my research is freesourcecode.com. It provided me with different codes which I used in the development of this program

Using of textbooks and journal on the net was also a great source of information and assistance in realizing the goal of this project. For instance, "A review of PHP compilers and their outputs" Favre, Nicolas (2010-02-16) gave a good layout of product design. Also, Personal Home Page Tools (PHP Tools) Lerdorf, Rasmus (1995-06-08), was very helpful and supportive in the product development of the pages of this project.
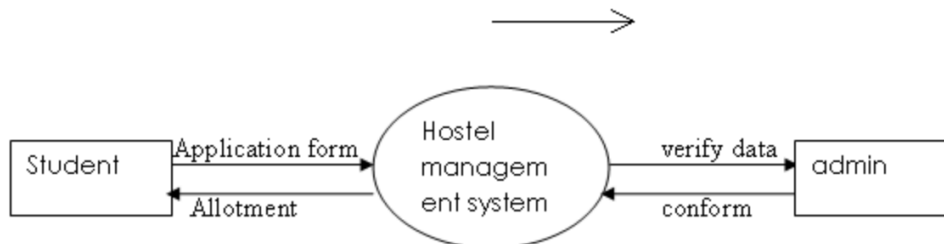
III. OBJECTIVES AND GOALS

The following are the goals of the proposed system

- Less Human error.
- Strength and strain of manual labor can be reduced
- High security
- Data redundancy can be avoided to some extent
- User friendly
- Easy data updating
- Easy recordkeeping
- Backup data can be easily generated
- Each students can get their own credits

IV. PROPOSED SYSTEM

The drawback of the existing system is that it is very difficult to retrieve data from record. It is also difficult to handle the whole system manually and it is less accurate and to keep the data in records for future reference because it may get destroyed. Moreover it is very difficult to retrieve data. Redundancy of data may occur and this may lead to this inconsistency. The manual system is so time-consuming. The proposed system is very easy to operate. Speed and accuracy are the main advantages of proposed system. There is no redundancy of data. The data are stored in the computer secondary memories like hard disk etc., it can be easily access and used at any time. The proposed system will easily handle all the data and the work done by the existing systems. The proposed system eliminate the drawbacks of the existing system to a great and it provides tight security to data.

V. DATA FLOW DIAGRAM

Fig 4.1

VI. CONCLUSION

The development of the hostel management system is a user friendly system to indents to automate the hostel from manual system. It's a computer based system that will manage all the operations of the hostel. The project development using PHP and JavaScript is based on the requirement specification of the user and the analysis of the existing system, with flexibility for future enhancement .The expanded functionality of today's software requires an appropriate approach towards software development. This hostel management software is designed for people who want to manage various activities in the hostel for the past few years the numbers of educational institutions are increasing rapidly. Thereby the numbers of hostels are also increasing for the accommodation of the students studying in this institution. And hence there is a lot of strain on the person who are running the hostel and software's are not usually used in this context. This particular project deals with the problems on managing a hostel and avoids the problems which occur when carried manually .Identification of the drawbacks of the existing system leads to the designing of computerized system that will be compatible to the existing system with the system which is more user friendly and more GUI oriented.

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