**FINAL YEAR PROJECT PROPOSAL**

**DESIGN AND IMPLEMENTATION OF AN HOSTEL ALLOCATION MANAGEMENT SYSTEM**

**(A CASE STUDY OF HALL OF RESIDENCE TPI)**

**BY**

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**BACKGROUND OF THE STUDY**

**Hostel**: A hostel is essentially a form of accommodation that offers reasonable priced, shared accommodation to travelers in either private or dormitory rooms.

**A Management information system (MIS)**: Is a system that provides information needed to manage organizations effectively. In 1992, in Altena Castle in Germany, Richard Schirrman created the first permanent Jugendherberge or “Youth Hostel”. These first Youth hostel were an exponent of the ideology of the German Youth movement to let poor city youngsters breathe fresh air outdoors. The youths were supposed to manage the hostel themselves as much as possible, doing chores to keep the costs down and build character as well being physically active outdoors. Because of this, many youth hostels closed during the middle part of the day.

There are several differences between hostels and hotels, including:

1. Hostels tend to be budget-oriented; rates are considerably lower, and many hostels have programs to share books, DVDs and other items.
2. For those who prefer an informal environment , hostels do not usually have the same level of formality as hotels.
3. For those who prefer to socialize with their fellow guest, hostels usually have more common areas and opportunities to socialize. The dormitory aspect of hostels also increases the social factor.

**STATEMENT OF THE PROBLEM**

The growing number of students in higher institutions all over the world has posed a lot of accommodation problem on the part of students and school management. Students at the beginning of each session waste half of the semester looking for accommodation. The few hostels that exist in the universities are not properly managed. Statistics of the number of rooms required to match the growing number of students are far fetched. Most often, students pay for hostel fee and end up not getting one due to lack of bed space. Hostel administrators cannot give accurate information of the occupancy of a particular room. These and many more form the statement of the problem that necessitated this research work.

**PROJECT AIM**

The aim of this project is to design and develop a website to help in the management of hostel allocation system in the polytechnic of Ibadan (TPI).

The main objective of the new system includes:

1. To design and develop a central database system that would serve as hostel database, which will contain information on all the available rooms in the hostels.
2. To design a computer driven hostel allocation system for allocating hostel rooms to students.
3. To generate reports on hostel occupancy.

4. To create a user friendly landing page optimized for mobile devices.

5. To ensure a smooth and secure login experience for users.

6. To ensure that users and visitors can easily understand the features and benefit of

Website.

**SIGNIFICANCE OF THE STUDY**

The new system designed for computer driven student’s hostel allocation will among other things

1. Facilitate timely allocation of hostel rooms to students
2. Check the hostel occupancy at any time for information management
3. Enable management to plan on improving hostel living condition
4. Have first hand information on the statistics of students in the hostel

**LIMITATIONS**

Some of the limitations of the proposed system are:

1. The system cannot handle online payment of student’s accommodation fee and maintenance fee.
2. The system cannot handle other hostel issues such as mess activities because the existing system does not have one.

**DEFINITIONS OF TERMS**

1. **HOSTEL:** A hostel is a home for students when staying away from their home. It has a large well ventilated dormitories and single rooms and is situated in the school premises.
2. **A MANAGEMENT INFORMATION SYSTEM (MIS):** Is a system that provides information needed to manage organization effectively.
3. **HOSTEL MANAGEMENT SYSTEM:** Is a software that manages the activities of staff and students in the hostel, the system enables students to apply online for hostels and the system allocates rooms to the students in the hostels.
4. **DATA:** Historically, data is referred to known facts that could be recorded and stored on computer media. These are facts made up of text, numbers, images and sounds.
5. **DATABASES:** A systematically arranged collection of computer data, structured so that it can be automatically retrieved or manipulated. It is also called Databank.
6. **COMPUTER PROGRAMS:** This is a set of instructions that guides the computer on the action to perform.
7. **SYSTEM:** System is a combination or arrangement of parts to form an integrated whole. A system includes an orderly arrangement according to some common principles or rules.