**Project Title: Hostel Management System**

**Introduction**

In our university hostel, activities like managing student data, room allocations, complaints, and visitor records are done manually. This often leads to delays, confusion, and communication gaps. To make the process more efficient, I will develop a web-based Hostel Management System. It will help organize tasks and improve communication between students, hostel staff, and university authorities.

**Why I Want to Develop This System**

The current manual process is slow and disorganized. Students don’t always know which rooms are available, complaints are sometimes ignored, and important updates can be missed. Visitor tracking and lost item management are also poorly handled.

This system will:

\* Reduce manual work and errors

\* Improve communication and transparency

\* Speed up complaint handling and room applications

\* Keep all hostel activities in one easy-to-access platform

**Features of the System**

This Hostel Management System will include the following features:

1. Student Information Management

\* Add and manage student details like name, level, faculty, student ID, and contact info.

\* Students must verify their basic details before logging in.

\* Show each student their current room allocation.

2. Room Management

\* Display a list of students allocated in each room.

\* Show available or empty seats in rooms to students, the hostel office, and university authorities.

\* Students can apply for empty seats online.

\* If more than one student applies for the same seat, the provost will review the applications and approve one.

3. Complaint System

\* Students can easily submit complaints online.

\* The hostel office will be notified of any new complaints.

\* Complaints will be marked as “In Progress” or “Solved.”

\* Students will be notified once their complaint is resolved.

4. Notice Board

\* Hostel admins or office staff can post important notices.

\* Students will receive notifications when a new notice is posted.

5. Stipend Management

\* Hostel office can transfer stipend money to selected students.

\* A record of each student’s stipend transactions will be saved and accessible.

6. Lost and Found

\* Students can report items they have lost.

\* Other students can view these lost item reports.

\* If someone finds the item, the original reporter will get a notification.

7. Visitor Log System

\* Students can pre-register their visitors by entering the visitor’s name, relationship, and visit time.

\* Hostel security and office staff can view the daily visitor list to ensure safety and monitor entries.

**Technology Used**

To build this system, I will use the Python programming language and the Django framework. Django is a powerful web development framework that is secure, scalable, and perfect for building database-driven applications like this Hostel Management System.