# HostelHub Project Charter

## 1. General Project Information

**Project Name:** Hostel Management System

**Impact of project:** The system streamlines hostel discovery, booking, and approval processes for students, hostel owners, and college administrators by providing a unified digital platform. It significantly reduces manual effort, minimizes paperwork, enhances data accuracy, and improves overall operational efficiency and transparency in hostel management.

## 2. Project Team

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Department | Telephone | E-mail |
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## 3. Stakeholders

* **Students**

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| --- |
| -End users who search for and book hostels through the platform. |
|  |

* **Hostel Owners**

-Submit hostel details for listing and manage availability.

* **College Administration**

-Reviews and approves hostels to ensure compliance with regulations.

* **Development Team**

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Builds and maintains the system; responsible for implementation.

## 4. Project Scope Statement

**Project Purpose / Business Justification:**

The Hostel Management System aims to serve as a **centralized digital platform** that simplifies and optimizes the process of hostel registration, approval, and booking for students, hostel owners, and college administration. It eliminates the inefficiencies of manual record-keeping, enables real-time updates, and ensures better compliance and transparency in hostel management. By moving to a digital platform, stakeholders benefit from improved accessibility, streamlined communication, and faster decision-making.

**Objectives :**

 Enable **end-to-end digital hostel booking** for students, reducing dependency on manual paperwork and physical visits.

 Improve **visibility and reach of registered hostels**, making it easier for students to find suitable accommodation options.

 Simplify **approval workflows** for college administrators by providing a dedicated interface for reviewing submissions.

 Empower hostel owners with a **self-service portal** to manage their listings, upload images, and track occupancy.

 Ensure **data accuracy and consistency** by implementing proper database validation and user input checks.

**Deliverables:**

* A full-stack **web application** with user-friendly interfaces tailored for students, hostel owners, and college administrators.
* RESTful **backend APIs** built with **Node.js and Express.js**, enabling modular and scalable communication between frontend and backend.
* A **MySQL relational database** to manage user data, hostel details, bookings, and approval status efficiently.
* Secure **authentication and session management** for different user roles.
* Project documentation including **database schema**, **API documentation**, **user manual**, and **project report**.

**Scope:**

In Scope: Hostel listings, booking system, admin approval process.

Out of Scope: Mobile application and payment integration.

Project Milestones:

|  |  |
| --- | --- |
| Milestone | Estimated Completion |
| Requirements Gathering | Week 1 |
| Database Design | Week 2 |
| Backend Development | Week 3–4 |
| Frontend Development | Week 5–6 |
| Integration | Week 7 |
| Testing | Week 8 |
| Submission | Week 9 |

## 5. Success Criteria

* Completion of all milestones within planned schedule.
* Successful login and role-based access for all user types.
* At least 90% accuracy in hostel data entries and bookings.
* Positive feedback from users during testing phase.
* Zero critical bugs at launch

## 6. Communication Strategy

* Weekly progress meetings
* Daily team updates via WhatsApp
* **Issue Tracking and Documentation**
* Report submission at milestone completions

## 7. Sign-off

|  |  |  |
| --- | --- | --- |
| Name | Signature | Date (MM/DD/YYYY) |
| [Executive Sponsor] |  |  |
| [Department Sponsor] |  |  |
| [Project Manager] |  |  |

## 7. Notes

• This document outlines the framework and expectations for the Hostel Management System project.

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