Lab-1 :-

1. **Hotel Management System**

1. **Introduction:**

Problem Management

Problem Statement:- The hotel management system aims to streamline operations by automating tasks such as reservation mgnt., guest check-in / check-out, room assignment, billing and reporting. It addresses the need of efficient management of resources, enhances guest exp. and ensures smooth day-to-day operations in hotels.

1. **Introduction:**

1.1 **Purpose of this document :** The main aim of the document is to summarize the requirements and specifications of a Hotel Management System. It acts as a guide to the development team and outlines functionalities, objectives and constraints.

1.2 **Scope of Document :** Describes the functions such as reservation management, billing guest services and inventory.

1.3 <u>Overview</u>: The system is designed to stream line various hotel operations, such as reservation manageme guest checking/out, room services etc.

2. <u>General Description</u>:

The hotel management system will cater to the needs of hotel staff and guests, providing intuitive interfaces. It will include features such as:

* <u>Reservation Management</u> - Allows guests to make reservations online or in person, quickly and efficiently.

* <u>Guest Services</u>: Provides checking and check out, functionalities, services etc.

* <u>Billing</u>: Generate invoices, process payments,

3 <u>Functional Requirements</u>:

· Allow guests to make online reservation.
· Manage room availability.
· Generate invoices, process payments.

4 <u>Inter face Requirements</u>

· Integration with payment gateways.
· Intuitive booking interfaces.

5 Performance Requirements:

- Should be able to handle high traffic
- Response time should be minimal.
- System should be reliable.

6 Design Constraints

- System should comply with industry standards.

- System should be compatible with current Software and hardware

7 Non Functional Attribute
- Security
- Scalability
- Portability
- Reliability

8 Preliminary Schedule and Budget
- Development timeline : 6 months
- Estimated Budget : ₹ 100000