Software Requirement Specification(SRS)

1 Introduction:

1.1 **Purpose of this Document:***its purpose is to gives a comprehensive view of how the Hotel Management System Software Requirement Specification is supposed to work and what is to be expected by the end users*

1.2 **Scope of this document** – *it is intended for the reservation of rooms through online reservation. It will be able to automate the various operations of the Hotel.Our Hotel Management System will have three end users: Customer, Receptionist, and Hotel Manager.*

1.3 **Overview** – The new Hotel Management System is a software application that will allow guests to book rooms, manage their reservations, and access hotel amenities. It will also allow hotel staff to manage room inventory, track guest preferences, and provide personalized service. The system will be very easy to use and meet the changing requirements of today's world.

General description:

The new Hotel Management System will provide the following general functions:

- Objective of the user: Guests will be able to book rooms, manage their reservations, and access hotel amenities. Hotel staff will be able to manage room inventory, track guest preferences, and provide personalized service.
- User Characteristics: The system will be designed for guests and hotel staff of all ages and technical abilities.
- Features and Benefits: The system will be easy to use, reliable, and provide a seamless guest experience. It will allow guests to easily book rooms, modify or cancel their reservations, and view their reservation history. Hotel staff will be able to manage reservations, including checking guests in and out of their rooms and handling any special requests or requirements.
- User Community: The system will be used by guests and hotel staff of the hotel.

2 Functional Requirements:

The new Hotel Management System will provide the following functional requirements:

- Allow guests to book rooms online
- Allow guests to modify or cancel their reservations
- Allow guests to view their reservation history
- Allow hotel staff to manage reservations, including checking guests in and out of their rooms and handling any special requests or requirements
- Allow hotel staff to manage room inventory, including adding and removing rooms, updating room availability, and setting room rates

- Allow guests to access hotel amenities, such as spa services, restaurant reservations, and transportation arrangements

3   Interface Requirements:

The new Hotel Management System will use the following software interfaces:

- Online reservation system
- Payment gateway
- Data storage system
- Notification system

4 Performance Requirements:

The new Hotel Management System should perform the following functions under specific conditions:

- Provide fast and reliable access to the system
- Ensure that all transactions are secure
- Handle a high volume of traffic without any performance issues
- Allow for easy scalability and expansion as the system grows

5 Design Constraints:

The new Hotel Management System will be designed with the following constraints in mind:

- Use of a modern software development framework
- Compatibility with modern web browsers and mobile devices
- Ability to integrate with third-party systems and services

6 Non-Functional Attributes:

The new Hotel Management System will have the following non-functional attributes:

- Security: The system will ensure the security and privacy of guest information and transactions.
- Portability: The system will be designed to run on multiple platforms and devices.
- Reliability: The system will be reliable and available 24/7.
- Reusability: The system will be designed with reusable components to enable future development and updates.

7 Preliminary Schedule and Budget:
In this, initial version and budget of project plan are explained which include overall time duration required and overall cost required for development of project.