



Parshvanath Charitable Trust's
A. P. SHAH INSTITUTE OF TECHNOLOGY, THANE
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Department of Information Technology



HOTEL MANAGEMENT SYSTEM

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Project Guide
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Contents

- Introduction
- Objectives
- Scope
- Features / Functionality
- Project Outcomes
- Technology Stack
- Block Diagram if applicable

1. Introduction

- Hotel Management System is a web-based application that allows the hotel manager to handle all hotel activities online.
- Problem Identified :
 - A hotel system manages information about rooms, reservations, customers, and customer billing manually.
- Solution Proposed :
- The entire activity is to automate the process of day to day hotel activities like room activities very safely, assigning a room according to customer's checkout time and releasing the room and finally computing the bill in short time.

2. Objectives

1. To avoid manual and repetitive work.
2. Real time information of availability of rooms.
3. To provide a web site that can allow admin to search and reserve a hotel room or cancel customer reservation over the internet anytime.

3. Scope

1. This system will provide automation of reservation and billing system to front desk task and room booking facility to manager using website.
2. It provides easy management tools and easy access to the customer information.
3. It will provide Admin to have the authority to control and modify the database.

4. Feature /Functionality

1. Feature 1 : Guest Information Database Maintenance
2. Feature 2 : Room Reservation
3. Feature 3 : Check-In & Check-Out
4. Feature 4 : Billing & Invoicing System
5. Feature 5 : Management Reports

5. Outcome of Project

1. Simple and easy to operate.
2. Manager can be able to add, delete and search customer details easily.
3. The system also records details of check in and check out.
4. Details of rooms and customers are stored in the database.

6. Technology Stack

1. Tkinter is the standard GUI library for python.
2. Python when combined with Tkinter provides a fast easy way to create GUI applications.
3. Tkinter provides a powerful object oriented interface to Tk GUI toolkit.
4. In backend we have used SQLite which is an open-source tool to create, design and edit database files

Thank You...!!