Title of the topic: Hotel Management System

Abstract:

The Hotel Management System deals with the management of hotels. The aim is to automate the existing manual system by the help of computerized equipments and full fletched computer software fulfilling the requirement, so that their valuable data/information can be stored for a longer period with easy accessing and manipulation for the same.

The proposed system aims at full automation of the hotel by making the system reliable, user friendly and informative. It reduces time and manpower required. The registration details of the customer's is stored in the database. Then the customer selects the type of room he wants for his stay, if room is available, the customer is accommodated. The customer can enjoy the meals and other services provided to them. The final bill of the customer is given to them at the time of check out. The customer can even check the details of the staff from the webpage. Using this application one can add, update, modify, save, delete and print details.

Keywords:

Admin and Login, Bill, Menu, Room selection, Staff details, Additional Services, Meal, Registration, Customer records

Objectives:

1. Streamline Workflow : Implement the Hotel Management System to optimize and automate processes of management and providing better services, enhancing and reducing manual effort.
2. Improve Customer Care : Utilize the system to facilitate customer with various types of services provided and ensure the requirements of the customers are being fulfilled. Accommodation of rooms shall be a hassle free experience.
3. Data Integrity and Security : Implement measures such as data encryption and access controls to safeguard sensitive customer information from unauthorized access and ensure data integrity.
4. User Friendly Interface : Design an intuitive and user-friendly interface to enhance user experience and usability for administration and management

Societal Impact:

The Hotel Management System outlined in the abstract carries significant social implications. Firstly, it contributes to improvement in the hospitality provided by the management to our customers, fulfilling their requirements and providing the best of services and other facilities, enabling them to serve a large number of customer population effectively. Secondly by centralizing the customer information and optimizing resource management, the system elevates the quality of customer care, leading to better reputation and business among the individuals and the community. Moreover, the user friendly interface promotes inclusivity, allowing a wider range of organization to use this system. The system's efficiency also translates into cost savings for the organizations, contributing to overall financial sustainability. Additionally, the implementation and maintenance of such systems create job opportunities in software development and system administration, contributing to economic growth. In conclusion, the Hotel management System has the potential to bring about positive social change by improving customer care, setting high standards of hospitality and fostering economic development.

Software Requirement Specification:

Front end : HTML,CSS

Back end : MySQL, Python Flask Framework

IDE : VSCODE,XAMPP

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