

# **PROJECT SYNOPSIS**

---

## **HOTEL MANAGEMENT SYSTEM**

**Submitted by**

**Akshay Bhandarkar H**

**(USN: 4SU19IS004)**

**Shreyas S S**

**(USN: 4SU19IS024)**

**Under the guidance of**

**Dr. Dharmanna L**

**Head of the Dept., ISE**



**Department of Information Science and Engineering**

**SDM INSTITUTE OF TECHNOLOGY**

**UJIRE - 574 240**

**2021-2022**

## **Abstract**

The purpose of Hotel Management System is to automate the existing manual system by the help of computerized equipment and full-fledged computer software, fulfilling their requirements, so that their valuable data information can be stored for a longer period with easy accessing and manipulation of the same. The required software and hardware are easily available and easy to work with.

Hotel Management System, as described above, can lead to error free, secure, reliable and fast management system. It can assist the user to concentrate on their other activities rather to concentrate on the record keeping. Thus, it will help organization in better utilization of resources. The organization can maintain computerized records without redundant entries. That means that one need not be distracted by information that is not relevant, while being able to reach the information.

The aim is to automate its existing manual system by the help of computerized equipment and full-fledged computer software, fulfilling their requirements, so that their valuable data/information can be stored for a longer period with easy accessing and manipulation of the same. Basically, the project describes how to manage for good performance and better services for the clients.

## **Introduction**

Hotel businesses are one of the most important parts of business economy. The business has to perform a large number of calculations and transactions such as number of rooms available, number of rooms reserved, types of rooms available and booked, details of the customer who made hotel reservations and more.

This results in an enormous amount of data to be processed, recorded and maintained. In earlier days, these data processing, recording and maintaining operations were done through keeping a book or a ledger and manually entering the data. While it was feasible for very small businesses, as the size of the business increases, the data produced will be huge and this approach is infeasible to practically utilize the information. Any calculations, queries and lookups had to be performed manually and took a significant amount of time as it was a tedious task. There was also the possibility of losing this recorded data as there was no practical approach to back up the data for safe keeping.

The Hotel Management System has been developed to override the problems prevailing in the practicing manual system. This software is supported to eliminate and, in some cases, reduce the hardships faced by this existing system. Moreover, this system is designed for the particular need of the company to carry out operations in a smooth and effective manner.

The project is an insight into the design and implementation of a Hotel Management system with the help of C++ Programming Language over File Handling. It is a user-friendly application for workers at hotel which reduces the burden and helps to manage all sections of the business-like room management and billing etc., which improve the processing efficiency. This mini project contains limited features such as searching, ordering, deleting, modifying, transaction summaries of room reservations and customers. The primary aim of the Hotel Management System is to improve accuracy, enhance safety, efficiency, provide statistical data, and user-friendly actions without ambiguities in the hotel business.