

DAYANANDA SAGAR UNIVERSITY



A MINI PROJECT REPORT

ON

“HOTEL MANAGEMENT SYSTEM”

SUBMITTED TO THE VIIth SEMESTER

WEB PROGRAMMING - 2020

BACHELOR OF TECHNOLOGY

IN

COMPUTER SCIENCE & ENGINEERING

GOPANA SAI TEJA – ENG17CS0076

HARI CHANDANA T - ENG17CS0082

HARSH GUPTA - ENG17CS0084

MUDIYALA ANUSHA - ENG17CS0132

MUKUND K V - ENG17CS0133

VII Semester, 2020

Under the supervision of

Prof. Gousia, Associate Professor

**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
SCHOOL OF ENGINEERING
DAYANANDA SAGAR
UNIVERSITY KUDLU GATE
BANGALORE – 560068**

TABLE OF CONTENTS

| SL.NO | TITLE | Page No. |
|--------------|--|-----------------|
| I. | Introduction | 1 |
| II. | Problem statement | 2 |
| III. | Operational Definition | 2 |
| IV. | Scope Of The Project | 3 |
| V. | Existing System | 3 |
| VI. | Current issues/Problems with the existing system | 4 |
| VII. | Proposed Solution | 5 |
| VIII. | Requirements -Languages -Tools used | 6 |
| IX. | Possible Outcome | 6 |

I. INTRODUCTION

Our project on “Hotel Management System” gives ideas about the management in hotels. The package gives all the information regarding the check in or check out facilities of the customer. The customer can make his or her booking for rooms. It gives details of the customer and the time of arrival and departure of customer.

The project Hotel Management manages and maintains the records of customers and rooms in the hotel. The rooms have different categories such as Deluxe, Semi-Deluxe etc., So their charges and records will be maintained accordingly. This software has been made in a user friendly interface, so that anyone can add, delete the entries of customers and handle all the transactions easily. As a security we have provided Admin & user level authentication for different modules such as set-up-user etc., also the username and password gets stored in the database in encrypted format more dealing with the security.

II. PROBLEM STATEMENT

OBJECTIVE:

The main aim of the entire activity is to automate the process of day to day activities of Hotel like Room activities, Admission of a New Customer, Assign a room according to customer's demand, checkout of a computer and releasing the room and finally compute the bill etc.

Using this Hotel Manager doesn't have to sit and manage the entire activities on paper. And at the same time Owner of the Hotel will feel comfortable to keep a check on Hotel easily from anywhere around the world.

The system allows the manager to keep track of available rooms in the system and even maintain staff details like their hours worked and salary.

Customers can view and book an available room online and the system will automatically generate the bill according to the number of days the type of room is booked.

III. OPERATIONAL DEFINITION

Step 1: Create a home page for hotel management systems

Step 2: Go to login page

Step 3: Login credentials of the customer S

Step 4: Booking form

Step 5: Booking status

Step 6: Payment details

IV. SCOPE OF THE PROJECT

The project Hotel Management manages and maintains the records of customers and rooms in the hotel. This software has been made in a user friendly interface, so that normal person can add, delete and modify the entries of customers and handle the transactions of customers easily.

The software to be developed deals with creating a Hotel Management system which will automate the major hotel operations such as generating COD, billing and keeping track of records of daily transaction. Admin have the authority to control and modify the database.

V. EXISTING SYSTEM

In this phase we carry out the task of defining the problem or in other words we define our need for this project. The organization was using the conventional methods (Excel Sheet or Register) for keeping the information about Hotel Management System i.e. records of hotel management system activities. There are various types of activities performed in day shift & night shift. It was quite a laborious task & involved a large number of data records deployed for this purpose.

VI. CURRENT ISSUES/ PROBLEMS WITH EXISTENCE SYSTEM

- The word “manual” itself makes the existing system outdated in today’s high tech world.
- Processing an application manually takes a lot of time.
- Coordinating various departments in this respect is not only time taking but is also a cumbersome process.
- A lot of time is also wasted in summing up records & repairing day wise reports of activities happening on the server.
- The system is not deprived of common manual mistakes.
- The staff is also deviated from its main stream work, by paying more time to manual processing of information. As a result, the need of employing more staff is being felt, which involves a lot of expenditure.
- The system is also prone to insecurities.

VII. PROPOSED SOLUTION

To remove all the disadvantages of conventional methods, a system is proposed which is an automation of Hotel Management System.

Hotel Management System is a project to maintain the record of Hotel Management System activities. There are various types of activities performed in day shift & night shift. So this Hotel Management System is used to computerize all these activities.

There are two kinds of users:

- 1) Admin**
- 2) General User**

With the help of this project we reduced tasks deployed for data/information collection to a large extent thereby eliminating the human errors considerably. Therefore the organization has realized the need for automating the various daily routine activities of hotel & task of data/information collection with the help of database designing.

And with this realization our project “HOTEL MANAGEMENT SYSTEM” comes into practical usage & also benefiting the organization as a whole.

VIII. REQUIREMENTS

LANGUAGES:

Front end: HTML, CSS, JavaScript, Bootstrap

Back end: PHP, MySQL

TOOLS USED:

Operating system: Windows xp,7,8,10

Tools used: Sublime Text, XAMPP

XI. POSSIBLE OUTCOMES

- A web online portal for hotel management systems was created.
- This online portal consists of following outcomes:
 - Home page
 - Login page
 - Booking form
 - Booking details
 - Payment portal

REFERENCES

- https://www.researchgate.net/publication/261991913_Online_computerized_Hotel_Management_System
- <https://www.geeksforgeeks.org/hotel-management-project-in-python/>