LOVELY PROFESSIONAL UNIVERSITY



SYNOPSIS REPORT

OF

PROJECT

SUBMITTED TO- SUBMITTEDBY-

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Restaurant Management System with GST Billing

**INTRODUCTION**

**‘Restaurant Management System’** is implemented to replace the manual system.

The Restaurant Management System helps the restaurant manager to manage the restaurant more effectively and efficiently by computerizing meal ordering, billing and inventory control. This management system is designed for all kind of Restaurants and the interface will be in English.

The system processes transaction and stores the resulting data. Reports will be generated from these data which help the manager to make appropriate business decisions for the restaurant. For example, He can review his inventory daily, check the number of employees working, the number of customers visiting per day, total sum of the bills per day.

The main aim of the project is computerization of all processes which happens in the restaurant. It is a database system for creating a selective retrieved of information, for subsequent analysis, manipulation and application.

This enable a single outlet or enterprise to better serve its customers and aid employees with food and beverage transactions and controls.

While calculating the bill of a respective customer we also generate the GST(18% of the bill) and add it to the final bill.

This application is GUI based project. This is made using Tkinter, Sqlite3, Random and Time modules of python library.

**DESCRIPTION – [MODULE-WISE]**

1. **Login Page**
2. **Home Page –** This consists of buttons for Bill, Ingredients, Employees modules.
   1. **. Bill –** This is used for calculating the bill of a respective customer.
   2. **.** **Ingredients –** Manager can View/Modify the ingredients available.
   3. **.** **Employees –** Manager can View/Modify the Employees available.
   4. **.** **List of Bills –** Manager can View the total of bills of the previous date.

**SYSTEM DESCRIPTION:**

1. This has a login page and manager can login through this.
2. On successful login Bill, Ingredients, Employees, List of Bills appear.
3. Bill window has an extension for price list. We can calculate using calculator. We also include the GST while calculating the bill.
4. Ingredients list has the entire list of available ingredients.
5. Employee list has the list of all the employees their salary and designation.
6. Bills list has the total sum of bills of the previous day.

**LIBRARIES TO BE USED:**

1 - Tkinter

2 - Tkinter

2.1 - Tkinter, Sqlite3, Random, Time

2.2 - Tkinter, Sqlite3

2.3 - Tkinter, Sqlite3

**WORK DISTRIBUTION:**

1. **Login Page -** Yamini
2. **Home Page –** Varma
   1. **. Bill –** Varma
   2. **.** **Ingredients –** Yamini
   3. **.** **Employees –** Avdesh
   4. **.** **List of Bills –** Himanshu

**GHANTT CHART:**