

**Dr.D.Y.Patil Pratishthan's
College of Engineering, Kolhapur.**

SYNOPSIS OF PROJECT



1. Name of Program : B. Tech SY (CSE)

2. Name of Project Group Member :

| Roll No. | Name | PRN No. |
|-----------------|------------------------|----------------|
| 28 | ABHIJEET ARJUN KUMBHAR | 2020082324 |
| 06 | ADITYA JAYANT CHENDE | 2020082499 |
| 21 | SANKET ARJUN KAMBLE | 2020082209 |
| 29 | UDAY DADASAHEB MAHALE | 2020082325 |
| 56 | ADITYA KAKASO PATIL | 2020082663 |

3. Name of Project guide : Prof. Vanashri Shinde

4. Proposed title : “Canteen Billing System using C++ .”

5.Abstract:

This project is aimed at developing a Restaurant Billing System . The purpose of the project is to develop a user-friendly GUI based billing system . The application can be accessed and effectively used by the user . The billing system contains the menu which is available in the restaurant. The owner or the cashier has to check the item ordered by the customer and enter the number of orders given for a particular item in the menu .Once the items are selected, the cashier can automatically get the total and the receipt will be generated.

A simple GUI is provided for the easy access . The system's design is so simple that users won't find it difficult to use and understand . This project stores the created menu in the canteen , modify the menu by the admin only .

The canteen billing system can provide service to the user by reducing the waiting time and by calculating the prices in a matter of a second . Hand billing or billing through a cash register takes times and serving a greater number of customers in less time becomes impossibility .

6.Synopsis of Project Work

6.1 Introduction / Relevance :-

The project “Restaurant billing system” is a basic program used in restaurants. The main aim is to perform the process of ordering and billing of a “Restaurant”. This is designed especially for a restaurant which wants to attend their customers in a very well manner. This system has the capability to give the receipt, in which GST is also included, to the customers.

The program is easily executable and can be easily accessed by a user. It is a great software for saving time and decreasing the work of the owner of the restaurants.

6.2 Problem Statement :-

Solution for overcome old school billing method of writing on paper with digital bill generator.

6.4 Objective of the project :-

- To provide a computer-based billing system for an accurate computation of bills.
- To reduce the time , energy and resources that was being consumed when performing a billing for the customer.
- To generate a receipt when performing a service.
- To provide a convenient solution of billing pattern.

6.5 Project Requirements:

Machine: Dell Inspiron 3501 & Lenovo Idea-pad slim 3i

Operating System: Windows 10 pro 64 bit

Project Platform: C++.

Programming Language: C++ .

Project Type: Desktop .

IDE Tool: Vs Code.

7. Plan of proposed work :-

| Sr.no | Activity/month | May | June | July |
|-------|---|-----|------|------|
| 1 | Literature review | | | |
| 2 | Implementation phase (C++) | | | |
| 3 | Logic & Development code (C++) Submission of report. | | | |

| Roll No. | Name of Project Group Member | Sign |
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| <p>Guide Name</p> <p>Prof. Vanashri Shinde</p> | <p>HOD (CSE)</p> <p>Dr. S. R. Arlimatti</p> |
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References:

Prof. Vanashri Shinde

www.geeksforgeeks.org