

GOVERNMENT POLYTECHNIC, KARAD

SECOND YEAR DIPLOMA ENGINEERING (I-SCHEME)

**A
PROJECT ON**

“Super-Market Billing System”

SUBMITTED BY

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ACKNOWLEDGEMENT

We take it an opportunity to thank all those who had directly and indirectly inspired us and lead to successfully completion of this Micro-Project report.

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We also express our sense of gratitude towards our friends and parents for their constant moral support during project report.

Your's sincerely,

Nikam Rutuja R.

Thombare Shreya V.

Patankar Aishwarya A.

CERTIFICATE

This is to certify that as part of the partial fulfilment of the three year Diploma Course for semester first, the bonafied students studying in Second Year Diploma (CO-3-I).

Nikam Rutuja, Thombare Shreya, Patankar Aishwarya had completed the project report titled as **“A Super-Market Billing System”** for subject Data Structure Using 'C' (22317) under the guidance of Ms.L.S.Korade. and submitted it to Department of Computer Engineering at **Government Polytechnic, Karad.**

Ms.Korade.L.S
(HOD)

Ms.Korade.L.S
(Guide)

Micro-Project Report

Subject Name : Data Structure Using 'C'

Micro-Project Name : “ Super-Market Billing System ”

Subject Code : 22317

1.0 Rational :

The project is on Super-Market Billing. Supermarket is the place where customers come to purchase their daily using products and pay for that. So there is a need to calculate how many products are sold and to generate the bill for the customer. “**Super-Market Billing System**” aims at developing into software that can be used at places like shopping malls, Super Markets to easily maneuver the daily tasks of taking the order, calculating the bill etc.

The main advantage of this project is that it converts all the manual work which is time consuming and error prone to fully automated system which helps in eliminating all the paper work, saves time , improves customer services. It also speeds up various processes such as addition of new products to the menu, deletion of new products to the menu, modifications of details of products and calculation of bills thus providing convenience to the workers as well as customers. It also reduces the pressure on labour. Makes the system more feasible ,flexible and thus retrival of information becomes convenient .

2.0 Aims of Micro-Project :

- To reduce time for the organization.
- To increase efficiency and accuracy of the system.
- To make the retrival of information faster.
- To reduce the cost factor of the system and make system more flexible.
- To make the system more reliable and reduce the large amount of paper work.

3.0 Course Outcomes Achieved :

After completion of this project we will able to –

- We are able to make the addition of items in the menu, deletion of items and modification of items in the menu easier and faster.
- Bills can be calculated more easily and with more accuracy.
- Able to calculate how many products are sold and to generate the bill for the customer.
- Able to maintain the data in easier way.

4.0 Literature Review :

- Data Structure using C and C++ book is used to know information and the syntax of the array used.
- It also helps to get information about the functions which are used in the project.
- We also able to know about the different control structures used in the program.

5.0 Actual Methodology Followed :

- We had decide our topic name for making the project.
- To know the general structure of project with C code we will search different management systems used in the places like malls, super markets and big shops and gain information about it which should be included in program.
- We had also include the functions to make the project more simplified.
- After collecting all the information we will type program in Windows7 (Turbo C) by using different functions and data structure concepts.
- We will use of functions to make our project more effective and attractive.

6.0 Actual Resources Used :

Sr. No.	Name of Resource	Specifications	Quantity	Remarks
1.	Laptop	Lenovo(core i3)	1	
2.	Book	Data structure using C and C++	1	
3.	Website		-	

7.0 Learning outcome of this Micro-Project :

- To reduce time for the organization.
- To increase efficiency and accuracy of the system.
- To reduce pressure on the labour and relieving man power from repetitive and dull job.
- To make the retrival of information faster.
- To make the system more feasible.
- To reduce the large amount of paper work.
- To make the system more reliable to avoid any ambiguity.
- To reduce the cost factor of the system.
- To make the system more flexible.

8.0 Applications of this Micro-Project :

- This project helps to convert all the manual work which is time consuming and error prone to fully automated system.
- It helps in eliminating all the paper work ,saves time and improve customer services.
- Makes the addition of two products in the menu ,deletion of products and modifications of products in the menu easier and faster.
- Bills can be calculated more easily and with more accuracy.
- Makes the system more feasible and flexible and thus retrival of information convenient.
