**Latthe education society’s polytechnic, sangli**



Department of computer engineering

An

Proposal of Micro project of subject

**Object oriented programming**

Submitted by

|  |  |  |
| --- | --- | --- |
| Student name | Rollo | Enrollment no |
| Aditya Gujar | 182324 | 1700430075 |
| Swapnil Gunke | 182325 | 1700430076 |

**1.0 Brief Introduction:**

The project is on super market billing system .Super market is the place where customer comes to purchase their daily Product and pat for that ,so there is need to calculate how many product are sold and to generate the bill for the customer .

**Super Market billing system** aims at developing software that helps to calculate the bill and tacking order etc. The main advantage of this project is to convert all the manual work which is time consuming and error prone to fully automated system which helps in eliminating all paper work, savage of time and improves customer services.

In this project c++ language is used to maintain all the data, it provides many features like file handling data can be easily maintained and many features required while doing project

**2.0 Aim of project**

* To reduce time for organisation
* To increase efficiency and accuracy of system
* To reduce large amount of paper work
* To make system more flexible
* To know inheritance, encapsulation and file processing concepts etc. in c++.

**3.0 Intended Course outcome:**

* Develop c++ program using classes and objects.
* Develop c++ program using file operation

**4.0 Literature review:**

**Reference:** [**https://www.tutorialspoint.com/cplusplus/cpp\_files\_streams.htm**](https://www.tutorialspoint.com/cplusplus/cpp_files_streams.htm)

The functions which are used in project

* Void create():
* Void show\_product():
* Void write\_product():
* Void display\_all():
* Void displaysr():
* Void update\_product():
* Void delete\_record():
* Void place\_order():
* Void intro():
* Void admin\_menu():

**5.0 Proposed Methodology:**

**Data collection:**

The project mainly consist of three part

1 Place your order

2 Tools

3 Exit

**Tools menu consist of following sequence**

* Create a new product: To create a new product
* Display all product menu: To display all product menu
* Query: All data of product
* Update product: To modify the product
* Delete Product: To delete a product data
* View all product menu: To view all product menu with price,name,discount
* Back to main menu: Back to main menu

**6.0 Resources used**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sr.no | Name and resources used | Specifications | Oty | Remark |
| 1 | Operating system | Windows | -- | -- |
| 2 | Application Software | Turbo c++,MS word | -- | -- |
| 3 | Hard disc | 32GB | 1 |  |
| 4 | Ram | 4GB | -- |  |
| 5 | Processor | Intel Core, Intel(R),core(Tm)2Duo  cpu,E7500 @2.93GHz | -- |  |

**7.0 Action Plan**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sr.no | Details of activity | Planed date | Planed finished date | Name of responsible team mem |
| 1 | Discussion and  finalization of project |  |  | Aditya Y.Gujar  Swapnil S. Gunke |
| 2 | Preparation of project |  |  | Aditya Y.Gujar  Swapnil S. Gunke |
| 3 | Structure of micro  project |  |  | Aditya Y.Gujar  Swapnil S. Gunke |
| 4 | Content Preparation |  |  | Aditya Y.Gujar  Swapnil S. Gunke |
| 5 | Discussion about  resources |  |  | Aditya Y.Gujar  Swapnil S. Gunke |
| 6 | Discussion about  resources |  |  | Aditya Y.Gujar  Swapnil S. Gunke |
| 7 | Seminar |  |  | Aditya Y.GujarSwapnil S. Gunke |
| 8 | Final submission |  |  | Aditya Y.Gujar  Swapnil S. Gunke |