Grocery Management System

A Synopsis Submitted

in Partial Fulfillment of the Requirements

for the Degree of

# Bachelors of Engineering

in

# Information Technology

by

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1. **Aim:-**

The main objective of the application is to automate the existing system of manually maintaining the records of the groceries, counter sales, purchases, bills and customer monetary positions and other related transactions made at the counter. The grocery records of a generic shop which deals in Wheat, rice, pulses, oil, cosmetics, etc.

• Stock maintenance

• Bill generation

• To keep accounts of purchase and sales

• To know the current position of the debtors and creditors

1. **Introduction**:-

The “Grocery Management System” has been developed to override the problems prevailing in the practicing manual system. This software is supported to eliminate and in some cases reduce the hardships faced by this existing system. Moreover this system is designed for the particular need of the company to carry out operations in a smooth effective manner.No formal knowledge is needed for the user to use this system.Thus by this all it proves it is user-friendly.Grocery management System as described above, can lead secure, reliable and fast management system. Every organization, whether big or small, has challenges to overcome and managing the information of grocery, sales, suppliers, payments. These system will ultimately allow you to better manage resources.

1. **Motivation:-**

I found this by one of the instance of my life.At my native place my relative uncle had a grocery shop and he got a lot of trouble in inventory control. I influenced terrific by this circumstance so that I want to reduce headache by making a desktop application which will maintain inventory control as well as maintenance of a shop. Moreover, through this app we will also create a bill. It will help in burgeoning an efficiency of service furthermore it will save a lot of time.

1. **Solution Domain:-**

• A desktop based software is designed to handle all the primary information required to maintain the stock. Database is maintained to handle all the details required for maintaining groceries.

• This project intends to introduce more user friendliness in the various activities such as record, updating, maintenance, and searching.

• The searching of record has been made quite simple as all the details of the product and Head Quarter can be obtained by simply keying in the identification of the code.

• Similarly, record maintenance and updating can also be accomplished by using the identification of the code with all the details being automatically generated.

• The entire information has maintained in the database or Files and only authorized user can retrieve the necessary information which can be easily be accessible from the file.

• The main objective of the entire activity is to automate the process of day to day activities.

This project has some more features:

• No Paper Work Required

• Time Efficient

• Cost Efficient

• User friendly environment

• Data security and reliability

• Fast data insertion & retrieval

1. **Market Scope:-**

This application can be used by any grocery store to automate the process of manually maintaining the records related to the subject of maintaining the stock and liquid flows.As this is generic software it can be used by a wide variety of outlets (Retailers and Wholesalers) to automate the process of manually maintaining the records related to the subject of maintaining the stock and cash flows.

1. **System Requirement:-**

HARDWARE REQUIREMENTS :

System : Pentium IV 2.4 GHz.

Hard Disk : 40 GB.

Ram : 512 MB.

SOFTWARE REQUIREMENTS :

Operating system : Windows XP or Above.

Coding Language : Python.

Data Base : Sqlitev3

1. **Proposed Project Skills:-**

Knowledge of python programming language to build the front-end and the business logic. Knowledge sqlitev3 for management(insertion, deletion, modification) of data.

1. **Plan of work:-**

In this section, we shall show the month wise plan to complete our project

1. **Roles of Group Members:-**

The people who participate in the project are the follows;

* Ayush Vijayvargia - Backend Development
* Yashvardhan Singh Chouhan - Frontend Development
* Abuzer Pathan - Documentation
* Anoop Singh Parmar - Database

1. **Group Member:-**

* Ayush Vijayvargia - 0832it141017
* Yashvardhan Singh Chauhan - 0832it141054