PRO FORMA FOR THE APPROVAL OF THE FINAL SEMESTER PROJECT

(Note: All entries of the pro forma of approval should be filled up with appropriate and complete information. Incomplete Pro forma of approval in any respect will be rejected.)

Project Proposal Number : _____
(Filled by the Department)

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Academic Year   2023
Year of Admission : *2021*
Admission Number : 16617
Roll Number : 21MCA1152
Register Number : MES21MCA-2052

1. Name of the Student (in BLOCK LETTERS)   : SOORYA SURESH K

2. Name of the Organization   : MES COLLEGE OF ENGINEERING, KUTTIPPURAM

3. Address of the Organization   : KUMBIDI-THRIKKANAPURAM RD, KUTTIPPURAM, KERALA 679 82

   Telephone No. : _____   Company E-Mail : _____

4. Name of the External Guide   : _____

   Mobile No. : _____   E-Mail : _____

5. Title of the Project   : STOCK MANAGEMENT SYSTEM

6. Name of the Guide   : _____

Date : _____   Signature of the Student : *Soorya*

Comments of The Project Guide

Initial Submission   :

Approval Status   :   Approved / Not Approved   Dated Signature of   Guide   HOD

First Review   :

Second Review   :

Comments of The Project Coordinator

Initial Submission:

First Review

Second Review   Dated Signature of Project
Coordinator:

STOCK MANAGEMENT SYSTEM

SOORYA SURESH K(MES21MCA-2052)

INTRODUCTION

In today's business environment, even many small businesses have come to rely on a computerized management system .The project entitled stock management system is a   web application that facilitates the dealer and the owner to know about current stock availability in the shop.   By using this application user can track stock in their supermarket and it will be notified to order new stock before a fixed period. Dealer can take order online and deliver the products on time. Order is placed automatically whenever needed. Order is saved as draft, which will generate a cart. Draft is created on behalf of the owner depending upon the price , quantity and demand on the product, And also there will be a database which collects data of current stock including date of purchase, price, quantity, This data generates graphical representation of the products which have demand in the market, minimum - maximum quantity list, sales report. The existing application used for stock management is only accessible to the owner, notification on reorder level is not available, manual ordering system.

OBJECTIVES

Apart from the existing system we assure both distributor and the owner to use this application equally and order placed automatically. This application also includes sales data for tracking stock and sales in the shop. Distributors can take orders online and deliver the products on time. Order placed automatically whenever needed. Owner will be notified when it is time to reorder products.

MOTIVATION OR RELEVANCE

The project "Stock management system" deals with the automation of shops. It includes both sales and purchase of items. This project developed with the objective of making the system reliable, easier and more informative. In the manual system there are a number of inefficiencies. Such as large record books have to be maintained and our system reduces paperwork .On the other hand there are many inherent problems that exist in manual systems. Less efficiency has greater impact on productivity of any human being keeping data up-to date.This system is designed in the way that both dealer and owner can equally log in with a unique username and password. Shop owners can place orders automatically. The data is stored in a database .This system keeps track of stock data and generates a reminder to purchase new products whenever the products are running out of stock. In addition, there will be a demand graph for each product .This system helps to keep data accurate and make work easier.

PROBLEM DEFINITION

There are several existing software, which provides a stock management system which functions for stock data collection and those applications allow only the owner to access it, And the order is taken manually.There are several existing software, which provide a stock management system, which function for stock data collection and those applications, allow only the owner to access, also order was taken manually. However, apart from that, we assure both dealer and the owner to use this application equally and order was placed automatically. This application also includes sales data for tracking stock and sales in the shop.

BASIC FUNCTIONALITIES

1. Distributor

- Add products
- Update price
- Take order automatically
- Viewing product demand

2. Shop owner

- Purchasing products automatically
- Sales report
- Sales Bill
- Notification on product re order level

TOOLS / PLATFORM, HARDWARE AND SOFTWARE REQUIREMENT

Hardware Requirements

The section of the hardware is very important for the proper functioning of any software; The size and capacity requirements are also important/the following hardware are needed for the development of the system

Server:

Processor: Intel Pentium

RAM: 2GB

Hard Disk: 80GB CPU

Speed: 2.60GHz

Monitor: VGA Color

Client:

Processor: Pentium

RAM: 1GB

Hard Disk: 40GB

CPU Speed: 1.60GHz

Monitor: VGA Color

Software Requirements

Server:

Web Server: Apache Server

Front End: HTML, CSS and JAVA SCRIPT

Language: Python

Back End: Django

Web Technology: HTML, CSS, XML, JavaScript and AJAX

Operating System: Windows / XOS / Linux

Client:

Browser: Any standard browser