

### **Mini Project Proposal (III Semester MCA)**

Approval of the mini project proposal is mandatory to continue and submit the project work.

The mini project proposal should clearly state the project objectives and the environment of the proposed project to be undertaken.

The following documents are to be submitted for approval

1. Pro forma for approval of the mini project (Present in this document)
2. Synopsis/Abstract with following contents
  - i. Title of the Mini Project.
  - ii. Introduction and Objectives of the Project. iii.  
Tools / Platform, Hardware and Software  
Requirement
  - iv. Problem Definition and Initial Requirements
  - v. Basic functionalities of the project

The abstract should be submitted in the format given in the 3rd page of this document.

The Abstract in the given format shall be uploaded on or before **07.08.22**

MES COLLEGE OF ENGINEERING, KUTTIPPURAM DEPARTMENT OF COMPUTER  
APPLICATIONS 20MCA245 – MINI PROJECT

PRO FORMA FOR THE APPROVAL OF THE THIRD SEMESTER MINI PROJECT

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

Mini Project Proposal No : \_\_\_\_\_  
(Filled by the Department)

Academic Year : \_\_\_\_\_

Year of Admission : \_\_\_\_\_

1. Title of the Project : ONLINE GROCERY SHOP SYSTEM
2. Name of the Guide : \_\_\_\_\_
3. Reg.Number of the Student: MES21MCA-2059
4. Student Details (in BLOCK LETTERS)

Name	Roll Number	Signature
<u>VISHNU NAIR</u>	<u>59</u>	_____

Date: \_\_\_\_\_

**Approval Status :** Approved / Not Approved

Signature of  
Committee Members

**Comments of The Mini Project Guide**

Dated Signature

Initial Submission : \_\_\_\_\_

First Review : \_\_\_\_\_

Second Review : \_\_\_\_\_

**Comments of The Project Coordinator**

Dated Signature

Initial Submission: \_\_\_\_\_

First Review \_\_\_\_\_

Second Review \_\_\_\_\_

Final Comments :

Dated Signature of HOD

# ONLINE GROCERY SHOP SYSTEM

VISHNU NAIR

---

## 1) Introduction

The project "ONLINE GROCERY SHOP SYSTEM" is a web based shopping system which is an attempt to provide the advantages of online shopping to customers of a real shop.

The Internet provides consumers with a new medium of obtaining useful information and for purchasing goods, information and services. The main purpose of online grocery is to create and develop new models, and to optimize the relationships between a grocery company and its customers. Changing from shopping at the supermarket to online grocery shopping can improve an online grocery retailer's productivity by shortening supply chains, reducing overhead costs, and enabling "just in time" service. Most grocery store chains offer online shopping options with free in-store pickup; a few even offer home delivery for a small fee.

The aim of this online grocery system is to minimize all the effort and time of the customer and to minimize roaming around as well. Therefore, it allows administrator to track the order of the customer so that they can prepare for it and deliver if needed. Furthermore, in this system is user-friendly, time effective and well-organized.

Online Grocery shop System as described above can lead to error free, secure, reliable and fast management system.

## 2) Problem Definition

Many people want to buy groceries and going from one shop to another can be exhausting and time consuming. Sometimes even after spending hours looking for a grocery product, people are unable to find anything. Also, malls and markets are crowded and post pandemic people are concerned while shopping at such places. For those who lack time, going to the store to shop is a pain when they only have a little time to buy a few items. After buying something, we have to bring a bunch of things home. An online grocery system is one of the best possible solutions to all these anxieties.

## 3) Objective

The objective of this application is:

- Provides the searching facilities based on various factors such as grocery product.
  - Manage the information of customer.
  - Shows the information, description and review of the grocery product.
  - To increase efficiency of managing the grocery product, customer.
  - Editing, adding, updating and deleting of products which provides proper resource management of grocery data.
-

#### 4) Basic functionalities of the project

The product function will include the following areas:

The application is capable enough to store different products and their reviews, perform CRUD operations on the same. It allows the user to order the products by adding them to cart and checkout those after adding the shipping details and payment information. The application also provides user registration and login interface thus enhancing the user experience. The user-friendly GUI is an addon to the user experience.

##### 4.1) User Characteristics

###### Functionalities

- User

Admin:

1. Add/update/delete products from the system.

Customer:

1. Customer registers and logs in himself on the website.
2. He/she can select the product and purchase it.
3. Purchased grocery product details will be added to the cart
4. He/she can pay the amount online.

- Product

1. Groceries available will be listed on the website
2. Products can be added, updated and deleted by the admin
3. Reviews are associated with each product
4. Customers can also search for different products and add them to cart.

- Order

1. Customer can place an order on the product of his/her choice.
2. The ordered product can be added to the cart and checked out by the customer.

- Payment

1. The payment information will be collected from customer during product checkout.
2. The payment module enables online payment for the products chosen.

## 5) Software Requirement

- Front-end            - CSS, JavaScript
- Back-end            - PHP