

# EasyShop Management System

*Project Synopsis Submitted*

*to*

**MANIPAL ACADEMY OF HIGHER EDUCATION**

*For Partial Fulfillment of the Requirement for the*

*Award of the Degree*

*Of*

**Bachelor of Technology**

*in*

**Computer and Communication Engineering**

*by*

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*Under the guidance of*

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**MANIPAL INSTITUTE OF TECHNOLOGY**

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*A Constituent Unit of MAHE, Manipal*

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## **Objective:**

The objective of this project is to design and implement a database system for a supermarket that can store, manage, and process data related to its products, customers, employees, sales, and inventory. The project aims to provide a user-friendly interface for the supermarket staff and managers to access and update the database, to ensure the accuracy, consistency, and security of the data stored in the database to support the business operations and decision making of the supermarket by generating various reports and analytics and to improve the efficiency and performance of the supermarket's supply chain and inventory management.

## **Scope:**

This project is helpful to track all the operations of a supermarket, to record inventory and store customer ratings to ensure a smooth and user-friendly experience. The software will be able to handle all the necessary information.

## **Project Description:**

The software to be produced is on Supermarket Management System. Here there are 2 users. They are the manager and the employee. The first process is to log into one of the users. The employee has the authority to access item categories, number of sales, item details, customer details, order details and customer feedback. The manager has access to all of these as well as inventory, delivery records, employee details and employee working hours. Customers are divided into regular and premium customers, where premium customers are automatically given a discount while checking out. When a sale is made or a delivery is received, inventory is automatically updated. Customer feedback is taken after every transaction and an average rating per customer is recorded in customer details. When an order is created, the item details including its price is fetched from the database and the total amount to be paid is automatically calculated. Sales of specific items can be recorded and order details from a specific time period can be accessed so as to generate revenue reports for the supermarket. Manager can access the log of employee working hours in order to maintain time sheets.

## **Hardware Requirements:**

Processor: Intel dual core or above  
Processor Speed: 1.0GHZ or above  
RAM: 2 GB RAM or above  
Hard Disk: 20 GB hard disk or above

## **Software Requirements:**

Language: C#  
Database: Oracle

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