

# **SMART GROCERY**

23MCA246 - Main Project

#### Scrum Master

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## **ABSTRACT**

#### **SMART GROCERY**

(SMART GROCERY SHOPPING WEBSITE)

The **Smart Grocery Shopping Platform** is a cutting-edge extension of the mini project, designed to revolutionize the online grocery shopping experience by integrating advanced functionalities and leveraging state-of-the-art technologies. This main project focuses on enhancing user satisfaction, streamlining operations, and optimizing supply chain management through intelligent systems.

### **Key Features and Functionalities:**

#### 1. Custom Meal Planning:

Recipe Integration: Enables users to discover recipes, add all necessary ingredients to their shopping cart with a single click, and simplify meal preparation.

## 2. Dynamic Pricing and Deals:

o **Dynamic Pricing Module**: Implements AI-driven pricing strategies, adjusting product prices in real-time based on factors like stock levels, demand, and user location to ensure competitive pricing and maximize sales.



## 3. Enhanced District Operation Manager Panel:

- Inventory Management: Provides auto stock order and manual stock order.
- Payment Module: Facilitates the DOM to do payments to the supplier for the stock ordered using payment gateway such as Razorpay.
- Supplier Integration and Management: Facilitates collaboration
  with suppliers for efficient order fulfillment and stock replenishment
  and Management of suppliers.
- Report Generation: Allows administrators to generate detailed performance and sales reports for data-driven decision-making.

### 4. Smart Shopping Assistant:

- Voice-Activated Assistance: Offers hands-free shopping by enabling users to search for products, add items to the cart, and manage their orders using voice commands.
- AI-Driven Product Descriptions: Automates the generation of detailed, user-friendly product descriptions, improving user experience.
- Automated Restocking Alerts: Sends automatic notifications to suppliers when inventory levels fall below predefined thresholds.
- Visual Search: Allows the user to search products based on the image uploaded.



### 5. Supplier Module:

- Product Management: Allows suppliers to manage their product listings, update stock levels, and provide accurate product details.
- Order Fulfillment Management: Empowers suppliers to process bulk orders from district operations managers, update order statuses, and ensure timely deliveries.
- Order History: Enables the supplier to manager past Orders from the District Operation Manager and enables to know whether the payment has been done or not.

#### 6. Face Authenticated Login:

 The user can register their face coordinates and use face id for login in with ease and secure.

This extension aims to create a comprehensive, AI-driven platform that enhances customer satisfaction, optimizes inventory and supplier management, and supports scalability for future growth. By leveraging advanced technologies such as artificial intelligence, machine learning, and real-time analytics, the **Smart Grocery Shopping Platform** positions itself as a benchmark for modern, innovative grocery solutions.

