PROJECT SYNOPSIS

ON

CRAVE CART

SUBMITTED

TO

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

FOR

Full Stack Engineering(22CS037)

Submitted By:

Name(s): Nishtha, Pragti Gupta, Prerana Thakur, Priya Gupta

University Roll No(s).: 2210991992, 2210992056, 2210992085, 2210992096

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**Problem Statement**

In today’s fast-paced world, people struggle to find time for grocery shopping, especially in urban areas where convenience is a priority. Traditional shopping methods involve long queues, limited availability, and time-consuming trips. While online grocery delivery services exist, they often face issues like delayed deliveries, poor inventory management, and high delivery costs. There is a need for a reliable and efficient solution that ensures ultra-fast delivery of groceries and essentials while maintaining affordability and quality service.

**Title of project:**

Crave Cart – Instant Grocery & Essentials Delivery Platform Consultant

**Objective & Key Learnings:**

**Objective:**Crave Cart aims to revolutionize the way people shop for groceries and daily essentials by providing an on-demand, ultra-fast delivery platform that ensures convenience, affordability, and efficiency. The platform is designed to bridge the gap between local retailers and consumers, offering a seamless shopping experience through a feature-rich web and mobile application.

The primary objective of Crave Cart is to develop a scalable and robust system that enables users to browse a wide range of products, place orders effortlessly, and receive their essentials within minutes. The system leverages real-time inventory tracking, smart order management, and optimized logistics to minimize delivery times and enhance service reliability.

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**Key Learnings:**

* **Speed & Efficiency:** Ensuring deliveries within minutes by optimizing logistics, store proximity, and efficient route mapping.
* **Seamless User Experience**: Developing an intuitive interface with a smooth ordering process, personalized recommendations, and real-time tracking
* **Retailer Empowerment:** Providing local grocery stores and supermarkets with a digital platform to expand their customer reach, manage inventory effectively, and increase revenue.
* **Smart Inventory & Demand Forecasting:** Using AI-driven analytics to predict demand, manage stock levels efficiently, and minimize wastage.
* **Secure & Flexible Payment Solutions:** Integrating multiple payment options, including UPI, credit/debit cards, wallets, and cash-on-delivery, ensuring hassle-free transactions.
* **Scalability & Future Expansion:** Building a cloud-based, modular system that allows easy expansion to new cities, integration with additional vendors, and future feature enhancements like subscription-based deliveries and AI-powered shopping assistance.

**Advantages:**

* **Instant Deliveries**: Orders are delivered within minutes, ensuring convenience.
* **Real-time Inventory Management:** Users can see the availability of products instantly.
* **Cost-effective & Competitive Pricing:** Affordable delivery fees and personalized discounts.
* **Seamless User Experience:** Intuitive interface for easy navigation and order placement.
* **Multiple Payment Options:** Integration of UPI, credit/debit cards, and digital wallets.
* **Retailer Empowerment**: Local grocery stores can expand their customer base.

**References:**

1. Research papers and market analysis on e-commerce and hyperlocal delivery models.
2. Technical documentation on database design, API development, and cloud computing.
3. Case studies of successful on-demand delivery services.
4. Online resources and tutorials on integrating geolocation and real-time tracking features