Project Design Phase
Proposed Solution

Date	26-06-2025
Team ID	LTVIP2025TMID21098
Project Name	Shopsmart: Your Digital Grocery
Maximum Marks	2 Marks

Proposed Solution for ShopSmart

S. No.	Parameter	Description
1	Problem Statement (Problem to be solved)	Many users in semi-urban areas, residential colonies, and student communities face challenges in finding and ordering groceries from local stores. Local grocery vendors often lack affordable, easy-to-use digital tools for online selling. This creates poor customer experiences and limits business growth for small stores.
2	Idea / Solution Description	ShopSmart is a MERN-stack web platform that connects customers with local grocery vendors via a clean and intuitive online interface. Users can browse stores, explore product categories, add items to a cart, and place orders. Vendors (store owners) can manage products and order status through a dedicated dashboard. Admins have tools to monitor store performance and promote reliable vendors.
3	Novelty / Uniqueness	- Tailored for local grocery shops, especially those not listed on big e-commerce apps - Supports role-based dashboards for Users, Vendors, and Admins - Vendors can manage real-time inventory and update orders - Admins can promote trusted vendors for better visibility - Lightweight, modular design supports future integrations like delivery agents, loyalty programs, etc.
4	Social Impact / Customer Satisfaction	- Promotes digital inclusion of small, offline grocery stores - Gives students, families, and residents easy online access to local essentials - Boosts local commerce by supporting neighborhood businesses - Enhances customer convenience through fast ordering and real-time tracking - Bridges the digital divide in grocery tech for underserved areas

5	Business Model (Revenue Model)	- Free access for users and basic free listing for vendors - Commission-free base model to onboard small grocery businesses - Future revenue from featured listings, sponsored stores, or local ads - Optional delivery service fee share, if a logistics module is added
6	Scalability of the Solution	- Easily extendable to other towns, hostels, or university campuses - Backend supports modular API scaling - React frontend adaptable into mobile app using React Native - Designed for multi-store setup with future delivery tracking integration - Can be deployed easily on cloud platforms like Render, Vercel, or VPS