**Project Design Phase**

**Proposed Solution**

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

**Proposed Solution for ShopSmart**

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| **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 |