Project Design Phase
Proposed Solution Template

Date	12-06-2025
Team ID	LTVIP2025TMID52034
Project Name	Shopsmart: Your Digital Grocery Store Experience
Maximum Marks	2 Marks

Proposed Solution for Resolve Now

S. No.	Parameter	Description
1	**Problem Statement** (Problem to be solved)	The increasing demand for convenient and contactless grocery shopping experiences has led to the need for a robust, user-friendly platform that enables users to buy groceries online, manage orders, and receive home delivery. Many people—especially busy professionals—struggle to find time for traditional grocery shopping.
2	**Idea / Solution Description**	The Grocery Web App is a full-stack e-commerce platform (built using React.js for frontend and Node.js/Express.js for backend with MongoDB as the database) that allows users to browse, select, and purchase groceries online. Features include user registration, secure authentication, personalized recommendations, real-time order tracking, admin dashboard, payment gateway integration, and multi-role access (user/admin). Users can schedule delivery and view order history, while admins can manage inventory, track sales, and analyze user behavior.
3	**Novelty / Uniqueness**	- Personalized product recommendations based on history and preferences - Admin dashboard with full order and inventory management - Real-time order tracking for users - Multiple dietary options (vegan, gluten-free, organic) - Secure online payments with various options.
4	**Social Impact / Customer Satisfaction**	- Enhances convenience for users, saving time and effort - Encourages healthy food habits through easy access to fresh and organic products - Empowers local farmers and vendors through digital inclusion - Increases efficiency and transparency in grocery delivery service
5	**Business Model (Revenue Model)**	- Freemium model with additional features like express delivery and subscriptions for premium users - Commission on every transaction between users and vendors - Featured product placement and brand advertising for third-party sellers