Project Design Phase
Proposed Solution Template

Date	19/02/2026
Team ID	**LTVIP2026TMIDS39395**
Project Name	**ShopSmart – Digital Grocery Web Application**
Maximum Marks	2 Marks

Proposed Solution Template:

Project team shall fill the following information in the proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Customers face difficulty in purchasing groceries due to busy schedules, long queues, and limited availability in physical stores. There is a need for a secure and convenient online grocery shopping platform.
2.	Idea / Solution description	ShopSmart is a full-stack grocery web application that allows users to browse products, add items to cart, place orders, make secure payments, and track order history. It also provides an admin dashboard to manage products, inventory, and orders efficiently.
3.	Novelty / Uniqueness	The system provides role-based access (User, Admin, Customer Care), secure authentication, real-time inventory management, and a user-friendly interface developed using Angular, Node.js, and MongoDB.
4.	Social Impact / Customer Satisfaction	ShopSmart saves time, reduces physical store dependency, supports contactless shopping, and improves customer satisfaction through easy ordering and secure payments.
5.	Business Model (Revenue Model)	Revenue can be generated through product margins, delivery charges, subscription plans for premium services, and advertisement partnerships with brands.
6.	Scalability of the Solution	The application follows a 3-tier architecture and can be deployed on cloud platforms, allowing it to scale with increasing users, products, and transactions efficiently.