Project Design Phase
Proposed Solution Template

Date	18 February 2026
Team ID	LTVIP2026TMIDS83223
Project Name	Shopez-one stop shop for Online Products
Maximum Marks	2 Marks

Proposed Solution :

S.No	Parameter	Description
1	**Problem Statement (Problem to be solved)**	Busy individuals and working families face difficulty in purchasing products from different categories due to lack of time, visiting multiple websites, and unclear stock availability. There is no centralized, reliable, and user-friendly platform that provides real-time product updates, secure payments, and smooth order management in one place.
2	**Idea / Solution Description**	**ShopEZ** is a full-stack web application built using the MERN stack (React, Node.js, Express.js, MongoDB). It allows users to browse multiple categories (Fashion, Electronics, Sports, Groceries, Mobiles), add items to cart, and place orders easily. It provides secure JWT-based authentication, role-based access (Admin & User), centralized product management, and a smooth checkout process.
3	**Novelty / Uniqueness**	• Multi-category one-stop platform • Role-based access control (Admin & User) • Real-time stock management • Secure JWT authentication & bcrypt encryption • Clean and responsive UI • Scalable REST API backend structure
4	**Social Impact / Customer Satisfaction**	• Saves time for working professionals • Provides convenient online shopping experience • Reduces need for visiting multiple stores • Ensures secure transactions and data privacy • Offers smooth and user-friendly shopping process
5	**Business Model (Revenue Model)**	• Commission on product sales • Delivery/service charges • Featured product promotions • Subscription model