Project Design Phase
Proposed Solution Template

Date	20 February 2025
Team ID	LTVIP2026TMIDS41763
Project Name	ShopEZ:One-Stop Shop for Online Purchases
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)	Small and medium businesses lack a secure, scalable, and user-friendly ecommerce platform for managing products, orders, and online payments efficiently.
2	Idea / Solution Description	ShopEZ is a MERN-based ecommerce platform that provides secure authentication, product listing, cart management, order processing, and integrated online payment using Razorpay.
3	Novelty / Uniqueness	Centralized system with JWT-based security, cloud database (MongoDB Atlas), and structured seller/admin management in a lightweight MERN architecture.
4	Social Impact / Customer Satisfaction	Provides small sellers with digital selling opportunities and customers with a secure, simple online shopping experience.
5	Business Model (Revenue Model)	Platform commission on sales, seller subscription plans (future scope), and potential premium features for sellers.
6	Scalability of the Solution	Built on a 3-tier MERN architecture allowing independent scaling of frontend, backend, and database using cloud services.