

Project Design Phase
Proposed Solution Template

Date	19 February 2026
Team ID	LTVIP2026TMIDS87679
Project Name	Steamy Pot – Smart Food Delivery Platform
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)	Traditional food delivery platforms face inefficiencies in real-time coordination between users, restaurants, and delivery drivers. Users struggle to discover trusted restaurants in unfamiliar locations, while restaurants face operational challenges in managing high order volumes and delivery coordination.
2	Idea / Solution Description	Steamy Pot is a MERN-stack based multi-role food delivery platform integrating secure authentication, structured order lifecycle management, intelligent driver assignment, and a persistent cart system. The platform ensures seamless coordination between users, restaurants, delivery drivers, and administrators.
3	Novelty / Uniqueness	The platform introduces a Social-Aware Recommendation System that leverages anonymized contact-based insights (with user consent) to recommend trusted restaurants in new locations, improving personalization and decision confidence beyond generic public ratings.
4	Social Impact / Customer Satisfaction	The solution enhances user trust, improves delivery efficiency, reduces coordination delays, and provides better visibility and workflow management for restaurants and delivery partners, leading to improved customer satisfaction and ecosystem reliability.
5	Business Model (Revenue Model)	Revenue is generated through commission per order, premium restaurant promotions, subscription plans for restaurant analytics dashboards, and potential delivery service charges.
6	Scalability of the Solution	Built using the MERN stack, the platform supports horizontal backend scaling, cloud database expansion, and modular architecture, enabling it to handle increasing users, restaurants, and delivery partners efficiently.