

Project Design Phase
Proposed Solution Template

Date	11 February 2026
Team ID	LTVIP2026TMIDS24954
Project Name	Flavour Fusion: Ai-Driven Recipe Blogging
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)	Many food bloggers, students, and busy individuals struggle to create well-structured and detailed recipe blogs due to time constraints and lack of consistent creativity. Manual recipe writing is repetitive, time-consuming, and requires formatting effort. There is a need for an automated system that can generate structured recipe blogs quickly and efficiently.
2.	Idea / Solution description	Flavour Fusion is an AI-powered web application that generates customized recipe blogs based on user input. Users enter a recipe topic and desired word count, and the system uses a pre-trained generative AI model (Gemini Flash Lite) to create a complete, structured recipe blog including introduction, ingredients, and preparation steps. The application provides instant results through a simple Streamlit-based interface.
3.	Novelty / Uniqueness	Unlike traditional recipe platforms that only display pre-written recipes, Flavour Fusion dynamically generates unique, customized recipe blogs in real-time. The integration of Generative AI allows users to control word count and receive structured content instantly, making it more flexible and interactive than static recipe websites.
4.	Social Impact / Customer Satisfaction	The solution saves time for food bloggers, home cooks, and students by automating content creation. It improves productivity, reduces manual effort, and provides accessible recipe content generation. Users benefit from structured and ready-to-use blogs without requiring advanced writing skills.
5.	Business Model (Revenue Model)	The application can adopt a freemium model where basic recipe generation is free, and advanced features (multi-language support, image generation, premium templates) are offered through subscription. Revenue can also be generated through advertisements, affiliate marketing, or API-based enterprise usage.
6.	Scalability of the Solution	The application is cloud-deployable and uses a scalable generative AI API. It can handle multiple users simultaneously when deployed on cloud infrastructure. Additional features such as multi-language support, user accounts, and content storage can be added to scale the system further.