

Project Design Phase
Problem – Solution Fit Template

Date	10-02-2026
Team ID	LTVIP2026TMIDS65437
Project Name	Flavor Fusion: -Ai-Driven Recipe Blogging
Maximum Marks	5 Marks

Problem – Solution Fit Overview:

The Problem–Solution Fit ensures that the "Flavour Fusion" AI-driven recipe blogging concept aims to solve the stagnation in home cooking and the inefficiency of finding creative recipes by utilizing artificial intelligence to blend culinary traditions, thereby providing tailored, innovative, and sustainable food solutions.

Purpose:

The goal of Flavour Fusion: AI-driven recipe blogging is to make the culinary world more innovative, efficient, and personalized by using data-driven insights to create unique, delicious experiences that cater to modern, adventurous palates.

1. Innovating Recipe Development (Flavor Profiling)

- **Creative Fusion:** The core purpose is to blend diverse ingredients and cooking techniques from different global cuisines (e.g., combining Asian and Latin flavors) to create new, unique recipes that are not found elsewhere.
- **Overcoming Recipe Fatigue:** It solves the problem of "what to cook" by providing inspiration and breaking the monotony of traditional, repetitive recipes.

2. Personalization and Dietary Management

- **Tailored Recipes:** AI analyzes individual user preferences, tastes, and dietary needs (e.g., gluten-free, vegan) to suggest highly customized, nutritious recipes.
- **Smart Ingredient Substitution:** The technology intelligently suggests alternatives for unavailable ingredients or allergens, ensuring the dish remains balanced and appetizing.

Problem Statement:

The problem statement for Flavour Fusion: AI-Driven Recipe Blogging centers on bridging the gap between visually appealing food content, the need for personalized culinary, and the inefficiency of traditional recipe discovery. It addresses the challenges of recipe fatigue, ingredient overwhelm, and the time-consuming process of creating unique, high-quality, and diverse recipes in a crowded, often uninspired digital food space.

- **Core Problem:** The Gap Between Visuals and Instructions.

- Market Pain Points for Consumers and Bloggers.
- The Need for "Fusion" and Creativity.
- Technical and Data-Driven Challenges

Solution:

AI-driven recipe blogging for "flavour fusion" is an innovative, technology-enabled approach that combines artificial intelligence with culinary arts to generate, test, and share unique, cross-cultural recipes. It acts as a digital sous-chef for bloggers and home cooks, identifying novel ingredient combinations by analyzing vast, diverse datasets to blend different cuisines (e.g., Asian Latin fusion).

- Intelligent Recipe Generation
- Image-to-Recipe Technology
- Data-Driven Flavor Pairing
- Trend Integration
- Personalization & Dietary Customization