Project Design Phase-II
Solution Requirements (Functional & Non-functional)

Date	31 January 2025
Team ID	LTVIP2026TMIDS78841
Project Name	Flavour Fusion: AI-Driven Recipe Blogging
Maximum Marks	4 Marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Input	User can enter ingredients. User can enter cuisine preference.
FR-2	Input Validation	System checks empty input. System validates format.
FR-3	AI Recipe Generation	System sends prompt to AI API. AI generates recipe content.
FR-4	Recipe Formatting	System structures recipe into title, ingredients, and steps.
FR-5	Output Display	System displays recipe blog to user.
FR-6	Error Handling	System shows error message if API fails.

Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Application should have a simple and user-friendly interface.
NFR-2	**Security**	API keys should be stored securely.
NFR-3	**Reliability**	System should generate correct recipes consistently.
NFR-4	**Performance**	Recipe should generate within a few seconds.
NFR-5	**Availability**	Application should be accessible whenever user opens it.
NFR-6	**Scalability**	System should support multiple users in future.