Project Initialization and Planning Phase

Date	31 January 2026
Team ID	LTVIP2026TMIDS66271
Project Title	Flavour Fusion: AI-Driven Recipe Blogging
Maximum Marks	3 Marks

Project Proposal (Proposed Solution)

Project Overview	
Objective	The main objective of this project is to develop an AI-powered web application that generates customized and high-quality recipe blogs based on user inputs.
Scope	The scope of the project includes building a Streamlit-based web interface where users can enter a recipe topic and desired word count. The system generates a complete recipe blog using an AI model and displays it to the user.
Problem Statement	
Description	Many food bloggers and users find it difficult to create detailed and well-structured recipe blogs within a short time. Manual content creation requires creativity, research, and proper formatting, making it time-consuming.
Impact	Solving this problem helps users save time and effort while creating customized recipe blogs
Proposed Solution	
Approach	The proposed solution uses a Streamlit web application integrated with the Gemini Flash Lite model. Users provide a recipe topic and word count through the UI. The AI model processes the input and generates a complete recipe blog.

Key Features	• User-friendly Streamlit interface • Custom recipe blog generation based on topic and word count • AI-powered content generation using Gemini Flash Lite • Programmer joke display for better user experience

Resource Requirements

Resource Type	Description	Specification/Allocation
Hardware		
Computing Resources	CPU for application execution	Standard system CPU
Memory	RAM required to run application	8 GB
Storage	Disk space for application files	50 GB SSD
Software		
Frameworks	Python web framework	Streamlit
Libraries	AI and utility libraries	google-generativeai
Development Environment	IDE and version control	VS Code, Git
Data		
Data	User input text	Recipe topic and word count entered by user