Data Collection and Preprocessing Phase

Date	12 February 2026
Team ID	**LTVIP2026TMIDS34355**
Project Title	**Flavour Fusion: AI-Driven Recipe Blogging**
Maximum Marks	2 Marks

Data Quality Report :

Data Source	Data Quality Issue	Severity	Resolution Plan
Google Gemini API	**Hallucinations:** The AI model might occasionally invent non-existent ingredients or steps for complex recipes.	Moderate	**Technical Solution:** We adjusted the temperature parameter to **0.75** in the model configuration. This value ensures the model remains creative but stays grounded in factual cooking knowledge.
Google Gemini API	**Formatting Inconsistency:** The output might sometimes lack proper headings or bullet points, making the blog hard to read.	Low	**Technical Solution:** We used **Prompt Engineering** in app.py. We explicitly instructed the model: *"Structure the blog with Catchy Title, Ingredients list, and Step-by-step instructions".*

			Technical Solution: We added a conditional check in the code: if not topic: st.warning("Please enter a topic first!"). This prevents the app from crashing or sending empty requests.
User Input (Streamlit)	**Empty Input Handling:** Users might accidentally click the "Generate" button without typing a topic name.	Low	**Technical Solution:** We added a conditional check in the code: if not topic: st.warning("Please enter a topic first!"). This prevents the app from crashing or sending empty requests.