MODEL DEVELOPMENT PHASE TEMPLATE

Date	31 Jan 2025
Team ID	LTVIP2026TMIDS83843
Project Name	flavour fusion: ai-driven recipe blogging
Maximum Marks	4 Marks

Initial Model Training Code, Model Validation And Evaluation Report

Initial Model Training Code

```python
client = genai.Client(
    api_key=os.getenv("GOOGLE_API_KEY"),
    http_options=types.HttpOptions(api_version='v1')
)
```

```python
chat = client.chats.create(model="gemini-2.5-flash")
prompt = f"Write a recipe based on the input topic: {user_input} and number of words: {word_count}. Ensure it has Ingredients, Instructions, and Tips sections."
```

```python
response = chat.send_message(prompt)
```

This project does not involve custom model training. It uses the pre-trained Gemini 2.5 Flash generative AI model through API integration.

Model Validation and Evaluation Report:

Since the project uses a pre-trained generative language model, traditional classification metrics such as Accuracy, F1-Score, and Confusion Matrix are not applicable. The model was evaluated using qualitative assessment methods.

Model	Classification Report	Accuracy	Confusion Matrix
Gemini 2.5 Flash	Not Applicable (Generative Model)	Not Applicable	Not Applicable