

Functional & Performance Testing Template

Model Performance Test

Date	21 February 2026
Team ID	LTVIP2026TMIDS66228
Project Name	Advancing nutrition science through geminai
Maximum Marks	4 Marks

Test Scenarios & Results

Test Case ID	Scenario (What to test)	Test Steps (How to test)	Expected Result	Actual Result	Pass/Fail
FT-01	Meal Plan Input Validation	Enter dietary restrictions, calorie goal, activity level	Valid inputs accepted and meal plan generated	Meal plan generated successfully	Pass
FT-02	Nutritional Analysis Test	Enter food item and click Analyze	Nutritional table and chart displayed	Table and bar chart displayed correctly	Pass
FT-03	Virtual Coach Response Test	Enter question and click Ask Coach	Relevant nutrition advice generated	Context-aware advice displayed	Pass
FT-04	Gemini API Connection Test	Trigger AI response generation	API responds within expected time	Response received in <3 seconds	Pass
PT-01	Response Time Test	Measure time for meal plan generation	Should be under 3 seconds	Average 2.4 seconds	Pass

PT-02	Concurrent Request Test	Simulate multiple user requests	System handles requests without crash	Handled successfully	Pass
PT-03	UI Rendering Test	Load all three scenarios	UI loads smoothly without lag	Loaded smoothly	Pass