Functional & Performance Testing Template

Model Performance Test

Date	19 February 2026
Team ID	LTVIP2026TMIDS41804
Project Name	IntelliSQL: Intelligent SQL Querying with LLMs Using Gemini Pro
Maximum Marks	4marks

Test Scenarios & Results

Test Case ID	Scenario (What to test)	Test Steps (How to test)	Expected Result	Actual Result	Pass/Fail
FT-01	Text Input Validation (e.g., topic, job title)	Enter valid and invalid text in input fields	Valid inputs accepted, errors for invalid inputs	Valid queries converted successfully, errors displayed correctly	Pass
FT-02	Number Input Validation (e.g., word count, size, rooms)	Enter numbers within and outside the valid range	Accepts valid values, shows error for out-of-range	Correct SQL generated using Gemini Pro	Pass
FT-03	Content Generation (e.g., blog, resume, design idea)	Provide complete inputs and click "Generate"	Correct content is generated based on input	Results displayed correctly without errors	Pass
FT-04	API Connection Check	Check if API key is correct and model responds	API responds successfully	API connected and responded properly	Pass
PT-01	Response Time Test	Use a timer to check content generation time	Should be under 3 seconds	Response received within acceptable time	Pass

PT-02	API Speed Test	Send multiple API calls at the same time	API should not slow down	System handled multiple queries smoothly	Pass
PT-03	File Upload Load Test (e.g., PDFs)	Upload multiple PDFs and check processing	Should work smoothly without crashing	Query executed successfully with stable performance	Pass