

Functional & Performance Testing Template

Model Performance Test

Date	27 June 2025
Team ID	LTVIP2025TMID32124
Project Name	Sustainable Smart City Assistant Using IBM Granite LLM
Maximum Marks	

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 inputs were accepted, and errors were displayed for invalid inputs	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	Valid numbers were accepted; errors were shown for out-of-range inputs	Pass
FT-03	Content Generation (e.g., blog, resume, design idea)	Provide complete inputs and click "Generate"	Correct content is generated based on input	The assistant generated correct content based on the provided inputs	Pass
FT-04	API Connection Check	Check if API key is correct and model responds	API responds successfully	API connection was established successfully, and responses were received	Pass
PT-01	Response Time Test	Use a timer to check content generation time	Should be under 3 seconds	Responses were generated in under 3 seconds consistently	Pass
PT-02	API Speed Test	Send multiple API calls at the same time	API should not slow down	API handled multiple calls efficiently without any slowdown	Pass

PT-03	File Upload Load Test (e.g., PDFs)	Upload multiple PDFs and check processing	Should work smoothly without crashing	Multiple files were processed smoothly without any errors or crashes	Pass
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