

Functional & Performance Testing Template

Model Performance Test

Date	27 June 2025
Team ID	LTVIP2025TMID29301
Project Name	Citizen AI – Intelligent Citizen Engagement Platform using IBM Granite
Maximum Marks	4 Marks

Test Scenarios & Results

Test Case ID	Scenario	Test Steps	Expected Result	Actual Result	Pass/Fail
FT-01	Text Input Validation	Enter valid and invalid prompts into the input field	Valid prompts accepted; errors shown for invalid input	Validated correctly, errors shown	Pass
FT-02	Prompt Format Handling	Enter short, long, malformed prompts	Handled gracefully or requests clarification	Managed well, LLM asked for clarification	Pass
FT-03	Policy Summarization Generation	Input a government policy PDF/text and click summarize	Accurate and concise summary returned	Summaries matched expected key points	Pass
FT-04	API Connection Check	Trigger backend calls to IBM Granite LLM API	Successful response from LLM	Connected and responded within limits	Pass
PT-01	Response Time Test	Measure summary response time with stopwatch	Under 3 seconds	~2.7 seconds average	Pass
PT-02	API Load Handling	Send 3–5 rapid inputs in sequence	No timeout, slowdown, or crash	No lag observed, handled well	Pass
PT-03	Multiple Feature Usage	Use chatbot + summarizer + eco tips in one session	Seamless multitasking, no conflict or crash	Worked smoothly during demo	Pass