

Functional & Performance Testing Template

Model Performance Test

Date	27 JUNE 2025
Team ID	LTVIP2025TMID37420
Project Name	Citizen AI – Intelligent Citizen Engagement Platform
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	Validate text inputs in fields like citizen name, address, or complaint descriptions.	Enter both valid and invalid text into the input fields where citizens would typically enter their name, address, or a description of a complaint.	Valid inputs should be accepted, and appropriate error messages should be displayed for invalid inputs. Valid inputs should be given.		
FT-02	Validate numerical inputs such as citizen ID, age, or the number of reported incidents.	Input numbers that are both within the expected valid range and outside of it for numerical fields such as citizen ID, age, or the count of reported incidents.	The system should accept valid numerical values and display errors for inputs that are out of the specified range.		
FT-03	Test the generation of automated responses to citizen queries or report generation functionalities.	Provide all necessary inputs for features that generate content (e.g., a citizen's query or details for a request) and then initiate the generation process by clicking the relevant "Generate" button or equivalent action.	The platform should generate correct and relevant content based on the provided citizen input.		
FT-04	Verify the successful connection and response from the platform's APIs.	Ensure that any required API keys are correctly configured and verify that the platform's underlying API successfully responds to requests.	The API should respond successfully, indicating a proper connection.		
PT-01	Measure the time taken for key operations like processing citizen queries or generating reports.	Use a timing tool to measure how long it takes for the platform to perform key actions, such as generating an automated response to a citizen's query or producing a report.	Key content generation or processing actions should be completed within a defined acceptable time (e.g., under 3 seconds).		
PT-02	Assess the API's performance when handling multiple concurrent citizen requests.	Send multiple API calls to the platform simultaneously to evaluate whether its performance or speed degrades under a heavier load.	The API's performance should not degrade or slow down significantly when handling multiple concurrent calls.		
PT-03	Evaluate the platform's ability to smoothly process simultaneous uploads of citizen documents (e.g., ID proofs, grievance attachments).	Upload numerous citizen documents concurrently (e.g., PDF files for ID proofs or attachments for grievances) and monitor the platform to confirm it processes them smoothly without encountering crashes or significant delays.	The platform should smoothly process multiple file uploads without crashing or encountering errors.		