# Functional & Performance Testing Template

Model Performance Test

Date: 26 June 2025

Team ID: LTVIP2025TMID31968

Project Name : Sustainable Smart City Assistant Using IBM Granite LLM

Maximum Marks: 2

## Test Scenarios & Results

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| --- | --- | --- | --- | --- | --- |
| **Test Case ID** | **Scenario (What to test)** | **Test Steps (How to test)** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| FT-01 | Policy Summarization | Upload a PDF policy document with 3+ pages | Citizen-friendly summary generated | Summary produced using IBM Granite LLM | Pass |
| FT-02 | Citizen Feedback Submission | Select category, type issue, click Submit | Feedback submitted and success message shown | Category and description logged; confirmation displayed | Pass |
| FT-03 | KPI Forecasting | Upload sample KPI CSV file with time-series data | Forecasted insights generated from the data | Forecast summary generated and shown in text area | Pass |
| FT-04 | Anomaly Detection | Upload KPI data with deliberate outliers | Anomalous patterns detected and described | LLM identified and explained outliers | Pass |
| FT-05 | Eco Tips Generator | Enter keyword like "plastic" or "solar" | 5 sustainability tips shown related to keyword | Relevant eco tips returned with context | Pass |
| FT-06 | Chat Assistant Response | Ask city-related query in chat input | AI provides relevant city/sustainability response | Chatbot returns meaningful LLM-generated answer | Pass |
| FT-01 | Policy Summarization | Upload a PDF policy document with 3+ pages | Citizen-friendly summary generated | Summary produced using IBM Granite LLM | Pass |