# **Functional & Performance Testing Template**

**Model Performance Test**

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| Date | 21 February 2025 |
| Team ID | LTVIP2025TMID31965 |
| Project Name | Citizen AI – Intelligent Citizen Engagement Platform |
| Maximum Marks |  |

## **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** |
| PT-01 | AI Response Time | Measure time from query submit to response | Should respond within 3 seconds | Responded in 2.3 seconds | Pass |
| PT-02 | Concurrent Query Handling | Submit multiple queries from 3+ users/tabs | No timeout or system slowdown | All requests served successfully | Pass |
| PT-03 | Dashboard Render Performance | Load >100 feedback entries | Load charts without lag | Dashboard loaded in <2s with smooth animation | Pass |
| PT-04 | File Read/Write Performance | Stress test logging with 200+ entries | File saved and read without corruption | All interactions logged and reloaded accurately | Pass |
| PT-05 | Fallback Recovery Speed | Disable IBM access and check how fast fallback activates | Response continued via Groq within 1–2 seconds | Switched in 1.4 seconds | Pass |
| **Test Case ID** | **Scenario (What to Test)** | **Test Steps (How to Test)** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| FT-06 | Feedback Logging | Submit chat and check feedback.json | Logs query, sentiment, timestamp | Entry added to file with all fields | pass |