# **Functional & Performance Testing Template**

**Model Performance Test**

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| --- | --- |
| Date | 29/JUN/2025 |
| Team ID | LTVIP2025TMID32012 |
| Project Name | Citizen-ai |
| Maximum Marks | 2 MARKS |

## **Test Scenarios & Results**

| **Test Case ID** | **Scenario (What to test)** | **Test Steps (How to test)** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| --- | --- | --- | --- | --- | --- |
| PT-01 | Text Input Validation (form fields) | Enter valid and invalid names, addresses, etc., in Aadhaar/Voter ID forms | Valid inputs accepted; error messages shown for invalid inputs | Valid inputs accepted; errors displayed correctly for invalid data. | Pass |
| PT-02 | Voice Input Processing | Speak government service queries into the mic | Voice converted correctly to text; appropriate chatbot response | Voice converted accurately to text; chatbot responded as expected. | Pass |
| PT-03 | Multilingual Chatbot Response | Ask the same question in different Indian languages | Chatbot replies accurately in the matching language | Chatbot provided accurate responses in multiple Indian languages. | Pass |
| PT-04 | User Login/Registration | Register and login with email and password | User account created; login successful | User successfully registered and logged in using email/password. | Pass |
| PT-05 | Dashboard Navigation | Navigate through dashboard to Aadhaar, PAN, Voter ID pages | Correct pages load without errors | All dashboard pages loaded smoothly without errors. | Pass |
| PT-06 | Firebase Data Saving | Submit a government form and check Firebase database | Data correctly stored in Firebase | Data successfully stored and retrieved from Firebase. | Pass |
| PT-07 | Chatbot Response Time | Measure time taken for chatbot to answer | Response time under 3 seconds | Chatbot responses consistently under 3 seconds. | Pass |
| PT-08 | Voice Recognition Speed | Measure time from speech input to text output | Should convert speech to text in under 2 seconds | Voice converted to text in under 2 seconds in all tests. | Pass |
| PT-09 | Concurrent Users | Simulate multiple users chatting at once | System remains responsive without crashing | System remained stable under multiple simultaneous users. | Pass |
| PT-10 | Page Load Performance | Load dashboard and service pages multiple times | Pages load within 2 seconds | Pages consistently loaded in under 2 seconds. | Pass |