# **Functional & Performance Testing Template**

**Model Performance Test**

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| Date | 24 June 2025 |
| Team ID | LTVIP2025TMID29459 |
| Project Name | **Citizen AI – Intelligent Citizen Engagement Platform** |
| Maximum Marks | 5 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** |
| **FT-01** | Text Input Validation (e.g., topic, job title) | Enter valid and invalid text in input fields | Acceptance for valid, error shown for invalid | Valid accepted, invalid flagged with “Required field” | Pass |
| **FT-02** | Number Input Validation (e.g., word count, size, rooms) | Enter numbers within and outside the valid range | Valid numbers accepted; 0/6 trigger “Enter 1–5” error | 0 → error; 6 → error; 3 accepted | Pass |
| **FT-03** | Content Generation (e.g., blog, resume, design idea) | Provide complete inputs and click "Generate" | AI returns accurate, step-by-step instructions within context | Returned correct 5-step guide | Pass |
| **FT-04** | API Connection Check | Check if API key is correct and model responds | HTTP 200, AI response received | 200 OK + response in <1s | Pass |
| **PT-01** | Response Time Test | Use a timer to check content generation time | Response < 3 s | Avg 2.2 s over 10 trials | Pass |
| **PT-02** | API Speed Test | Send multiple API calls at the same time | 95% responses < 5 s, no errors | 92% < 5 s, 3 timeouts | Fail |
| **PT-03** | File Upload Load Test (e.g., PDFs) | Upload multiple PDFs and check processing | All files processed, no crashes | All 5 processed within 4 s each | Pass |