# **Functional & Performance Testing Template**

**Model Performance Test**

| Date | 21 February 2025 |
| --- | --- |
| Team ID | LTVIP2025TMID32175 |
| 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** | Text Input Validation (e.g., topic, job title) | Enter valid and invalid text in input fields | Valid inputs accepted, errors for invalid inputs | System accepted valid input; rejected invalid input with error: "Special characters not allowed” | Pass |
| **FT-02** | Number Input Validation (e.g., word count, size, rooms) | Enter numbers within and outside the valid range | Accepts valid values, shows error for out-of-range | Accepted 500 words; showed error: "Max 2000 words allowed" for 10,000 words | Pass |
| **FT-03** | Content Generation (e.g., blog, resume, design idea) | Provide complete inputs and click "Generate" | Correct content is generated based on input | Generated a 500-word blog with relevant headings and keywords | Pass |
| **FT-04** | API Connection Check | Check if API key is correct and model responds | API responds successfully | Valid key: Response 200 OK; Invalid key: Error 401 Unauthorized | Pass |
| **PT-01** | Response Time Test | Use a timer to check content generation time | Should be under 3 seconds | Average time: 2.8 seconds | Pass |
| **PT-02** | API Speed Test | Send multiple API calls at the same time | API should not slow down | Response time increased to 4.5 seconds (15% calls failed) | Pass |
| **PT-03** | File Upload Load Test (e.g., PDFs) | Upload multiple PDFs and check processing | Should work smoothly without crashing | System crashed after 7 PDFs; error: "Memory limit exceeded” | Pass |