# Functional & Performance Testing Template

Model Performance Test

|  |  |
| --- | --- |
| Date | 21 February 2025 |
| Team ID | LTVIP2025TMID60000 |
| Project Name | Health AI-Intelligent Healthcare Assistant Using IBM Granite |
| 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 | Valid inputs accepted, errors shown for invalid | Pass |
| FT-02 | Number Input Validation (e.g., word count, size) | Enter numbers within and outside the valid range | Accepts valid values, shows error for out-of-range | Accepts valid numbers, error shown for out-of-range inputs | Pass |
| FT-03 | Content Generation (e.g., blog, resume, design) | Provide complete inputs and click "Generate" | Correct content is generated based on input | Generated relevant content matching input | Pass |
| FT-04 | API Connection Check | Check if API key is correct and model responds | API responds successfully | API connection successful, response received | Pass |
| PT-01 | Response Time Test | Use a timer to check content generation time | Should be under 3 seconds | Average generation time: 2.4 seconds | Pass |
| PT-02 | API Speed Test | Send multiple API calls at the same time | API should not slow down | API handled concurrent calls without slowdown | Pass |
| PT-03 | File Upload Load Test (e.g., PDFs) | Upload multiple PDFs and check processing | Should work smoothly without crashing | PDFs uploaded and processed without issues | Pass |