**Functional & Performance Testing Template**

**Model Performance Test**

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| Date | 27 June 2025 |
| Team ID | LTVIP202531213 |
| Project Name | Edututor-AI-Personalized-Learning-with-  Generative-AI-and-LMS-Integration |
| 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/Fai**  **l** |
| **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; invalid text prompts error messages | Pass |
| **FT-02** | Number Input  Validation (e.g., word count, etc.) | Enter numbers within and outside valid range | Accepts valid values; shows error for out-ofrange values | Accepts values within range; invalid range gives alert | Pass |
| **FT-03** | Content Generation (blog/resume/design idea) | Provide complete inputs and click  "Generate" | Correct content is generated based on input | Coherent blog generated in 2.9 seconds | Pass |
| **FT-04** | API Connection Check | Check if API key is correct and model responds | API responds successfully | API responded with 200 OK | Pass |
| **PT-01** | Response Time Test | Use timer to check content generation | Should be under  3 seconds | Average response time: 2.8 seconds | Pass |
| **PT-02** | API Speed Test  (Concurrency) | Send multiple API calls simultaneously | API should not slow down | No lag at 10 concurrent calls; handled smoothly | Pass |
| **PT-03** | File Upload Load Test  (e.g., PDFs) | Upload multiple PDFs and check processing | Should work smoothly without crashing | 5 PDFs (10 MB each) uploaded | Pass |
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|  |  |  |  | and processed successfully |  |