# **Functional & Performance Testing Template**

**Model Performance Test**

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| Date | 13 March 2025 |
| Team ID | PNT2025TMID02756 |
| Project Name | Power BI Inflation Analysis: Journeying Through Global Economic Terrain. |
| 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/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 displayed correctly | Pass |
| **FT-02** | Number Input Validation (e.g., inflation rate range) | Enter numbers within and outside the valid range | Accepts valid values, shows error for out-of-range | Accepted valid values, errors for invalid values | Pass |
| **FT-03** | AI-Driven Insights Generation | Provide complete inputs and check generated insights | Correct insights generated based on input data | Accurate insights generated | Pass |
| **FT-04** | Power BI AI Feature Check (Smart Narratives, Key Influencers) | Ensure AI-generated insights match data trends | AI features generate insights matching dataset | AI-driven insights align with data | Pass |
| **PT-01** | Response Time Test | Use a timer to check Power BI AI insight generation time | Should be under 3 seconds | Generated insights in 2.5 seconds | Pass |
| **PT-02** | Dashboard Load Speed Test | Open Power BI and measure the time taken to load dashboard visuals | Dashboard should load in under 5 seconds | Dashboard loaded in 4.2 seconds | Pass |
| **PT-03** | File Upload Load Test (e.g., CSV data import) | Upload multiple CSV files and check processing speed | Should work smoothly without crashing | All files uploaded without issue | Pass |