**Functional & Performance Testing Template**

**Model Performance Test**

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| Date | 21 February 2025 |
| Team ID | PNT2022TMID02717 |
| Project Name | Global Energy Trends a comprehensive analysis of key regions and generation modes using Power bi |
| Maximum Marks | 4 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** | Verify if data is successfully imported from various sources (Excel) | Enter valid and invalid text in input fields | Valid inputs accepted, errors for invalid inputs | 1.01BN | PASS |
| **FT-02** | Check if real-time or scheduled data refresh is working properly | Enter numbers within and outside the valid range | Accepts valid values, shows error for out-of-range | Working | PASS |
| **FT-03** | Validate energy production and consumption figures with external sources | Provide complete inputs and click "Generate" | Correct content is generated based on input | Validated | PASS |
| **FT-04** | Ensure filtering of historical vs. real-time data works correctly | Check if real time data works | responds successfully | 1.1bn | PASS |
| **PT-01** | Validate data | Successfully validated | Should be under 5 seconds | Validated successfully | PASS |
| **PT-02** | Check if data is securely stored and transmitted | Send multiple request for data at the same time | should not slow down | Transerfed | PASS |
| **PT-03** | File Upload Load Test (e.g., PDFs) | Upload multiple PDFs and check processing | Should work smoothly without crashing | Uplodead | PASS |