

**Functional & Performance Testing Template**

**Model Performance Test**

Date	25 <sup>th</sup> March 2025
Team ID	PNT2022TMID06806
Project Name	Global Energy Trends: A Comprehensive Analysis of Key Regions and Generative Modes
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	Data Import & Cleaning	Load datasets into Power BI and verify data integrity	Data successfully imported and cleaned		
FT-02	Dashboard Visualization	Create key visualizations for energy consumption trends	Dashboards display accurate insights		
FT-03	Interactivity & Filters	Test slicers and filters for dynamic data exploration	Filters and slicers work correctly		
FT-04	Forecasting Analysis	Apply Power BI forecasting tools	Forecasts provide reasonable trends		
PT-01	Performance Test - Data Load Time	Measure the time taken to load datasets into Power BI	Load time under 5 seconds		

<b>PT-02</b>	Performance Test - Dashboard Response	Check responsiveness of dashboards when interacting	Less than 2 seconds response time		
<b>PT-03</b>	Large Dataset Handling	Load large energy datasets and test stability	Power BI handles large data without crashes		