**Project Development Phase**

**Model Performance Test**

|  |  |
| --- | --- |
| Date | 04 March 2025 |
| Team ID | PNT2025TMID02764 |
| Project Name | Power BI Inflation Analysis: Journeying Through Global Economic Terrain |
| Maximum Marks |  |

**Model Performance Testing:**

Project team shall fill the following information in model performance testing template.

|  |  |  |
| --- | --- | --- |
| **S.No.** | **Parameter** | **Screenshot / Values** |
|  | Data Rendered | Imported data from **World Bank**, **IMF**, and **Trading Economics** with global inflation trends for the past decade. |
|  | Data Preprocessing | Cleaned data by handling null values, removing outliers, and normalizing inflation rates across different regions. |
| 3. | Utilization of Data Filters | Applied filters for **Year**, **Country**, and **Economic Indicators** to allow users to analyze data dynamically. |
| 4. | DAX Queries Used | Utilized DAX for calculating **YoY Inflation %, Moving Averages**, and **Forecasting Trends** for enhanced insights. |
| 5. | Dashboard design | Designed 5+ interactive visualizations including:  - Line Graphs for Inflation Trends  - Heatmaps for Regional Comparisons  - KPI Cards for Key Metrics  - Pie Charts for Contribution Analysis |
| 6 | Report Design | Developed 3 comprehensive report pages with key insights, forecasts, and regional analysis. |