**Project Development Phase**

**Model Performance Test**

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| Date | 15 March2025 |
| Team ID | PNT2025TMID06381 |
| Project Name | Global Food Production Trends and Analysis: A Comprehensive Study from 1961 to 2023 Using Power BI |
| Maximum Marks |  |

**Model Performance Testing:**

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

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| **S.No.** | **Parameter** | **Screenshot / Values** |
|  | Data Rendered | 2 Tables Taken:  • Country-wise-average Table:  Columns - 11  Rows - 140  • malnutrition-estimates Table:  Columns - 20  Rows - 923 |
|  | Data Preprocessing | Replaced Error from Survey Sample Column from malnutrition-estimates table to 0  • Changed data types of Columns Severe Wasting, Underweight, Overweight, Wasting, Stunting, US Population in malnutrition-estimates table.  • Changed data types of Columns Severe Wasting, Underweight, Overweight, Wasting, Stunting, U5 Population in Country-wise-average table.  • Removed null values |
| 3. | Utilization of Data Filters | 2 Filters used  Top N= 100 10 niter in Line Chart  Top N - Top 5 filter in Clustered bar Char |
| 4. | DAX Queries Used | Avg\_Stunting = AVERAGE('malnutrition-estimates' [Stunting])  Avg\_Underweight = AVERAGE('malnutrition-  estimates Underweienc  Avg\_Wasting = AVERAGE('malnutrition-estimates' (Wasting])  Total\_Us\_Population = sUM, malnutrition-estimates Us Population  Yoy-Stunting\_Change  VAR PrevYear = CALCULATE(AVERAGE('malnutrition-  estimates (Stunting)), PREVIOUSYtAR( malnutrition-estimates [Year)))  RETURN AVERAGE('malnutrition-estimates' [Stunting]) - PrevYear  Yoy\_Wasting\_Change  VAR PrevYear = CALCULATE(AVERAGE(malnutrition-  estimates' [Wasting)), PREVIOUSYEARmalnutrition-estimates|Year])  RETURN AVERAGE(malnutrition-estimates'[Wasting]) - PrevYear |
| 5. | Dashboard design | No of Visualizations / Graphs –  7 8 |
| 6 | Report Design | No of Visualizations / Graphs –  7 8 |