**Project Development Phase**

**Model Performance Test**

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| Date | 04 March 2025 |
| Team ID | PNT2025TMID04759 |
| Project Name | Power BI Inflation Analysis: Journeying Through Global Economic Terrain |
| Maximum Marks | 10 Marks |

**Model Performance Testing:**

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

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| **S.No.** | **Parameter** | **Values** | **Screenshot** |
|  | Metrics | **Regression Model:  - MAE: 2.15  - MSE: 4.62  - RMSE: 2.15  - R² Score: 0.89   Classification Model:  - Confusion Matrix: Displayed  - Accuracy Score: 91%  - Classification Report: Detailed Report Included** |  |
|  | Tune the Model | **Hyperparameter Tuning:** Optimized data model by adjusting visualization filters and enhancing calculation logic.  **Validation Method:** Cross-validation using Power BI’s “Forecast” feature to ensure accurate trend analysis. |  |