**Project Development Phase**

**Model Performance Test**

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| Date | 27 Jun 2025 |
| Team ID | LTVIP2025TMID49244 |
| Project Name | Heritage Treasures: An In-Depth Analysis of UNESCO World Heritage Sites in Tableau |
| 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 - , MSE - , RMSE - , R2 score -MAE – e.g., 3.52  MSE – e.g., 18.49  RMSE – e.g., 4.29  R² Score – e.g., 0.87  **Classification Model:** Confusion Matrix - , Accuray Score- & Classification Report - Confusion Matrix – *e.g., [[50, 2], [3, 45]]* Accuracy Score – *e.g., 95%* Classification Report – *Precision, Recall, F1-score values here* |  |
|  | Tune the Model | Hyperparameter Tuning - - Used **Grid Search** / **Random Search** / **Bayesian Optimization** - Tuned parameters: max\_depth, n\_estimators, learning\_rate Validation Method - - Used **K-Fold Cross Validation** (e.g., k=5) to validate model performance across splits |  |