**Project Development Phase**

**Model Performance Test**

|  |  |
| --- | --- |
| Date | 14 june 2025 |
| Team ID | LTVIP2025TMID32074 |
| Project Name | Sustainable Smart City using IBM Granite |
| Maximum Marks | 10 Marks |

**Model Performance Testing:**

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

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No.** | **Parameter** | **Values** | **Screenshot** |
| 1 | Metrics | |  | | --- | |  |  |  | | --- | | **Regression Model: MAE – *Not Applicable* MSE – *Not Applicable* RMSE – *Not Applicable* R² Score – *Not Applicable*  Classification Model: Confusion Matrix – *Not Applicable* Accuracy Score – *Not Applicable* Classification Report – *Not Applicable*** |   Reason: Used ibm-granite/granite-3.3-2b-instruct (LLM) via Hugging Face API for text response tasks, not predictive classification or regression |  |
|  | Tune the Model | **Hyperparameter Tuning:** *Not Performed* (Pretrained model, API-based inference only) **Validation Method:** *Manual Prompt Evaluation* – Tested response quality using 20 queries; observed accuracy, relevance, and response time. |  |