# Project Development Phase — Model Performance Test

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

## Model Performance Testing

Project team shall fill the following information in the model performance testing template based on actual implementation.

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| S.No. | Parameter | Screenshot/Values |
| 1 | Data Rendered | The model responses were rendered as text from the Hugging Face API using `ibm-granite/granite-3.3-2b-instruct`. Responses include eco-tips, policy ideas, smart city suggestions, etc. |
| 2 | Data Preprocessing | Basic input sanitization was performed. This included trimming whitespaces, checking for empty strings, and formatting model outputs for readability. No advanced preprocessing was needed as inputs were user-generated text prompts. |
| 3 | Utilization of Data Filters | Data filtering was done through conditional logic in code (e.g., separating inputs by categories like 'waste', 'water', 'energy'). No UI-based or layered filter system was implemented. |
| 4 | DAX Queries Used | Not Applicable. DAX was not used in this project. The project was built using Python, Streamlit, and Hugging Face API. No Power BI or Excel-based reporting tools were involved. |
| 5 | Dashboard Design | Not Applicable. No charts or visual dashboards were designed. The user interface was built using Streamlit, which displayed simple input fields and text-based responses from the model. |
| 6 | Report Design | Reports were generated manually through observation of model output. Results were documented using tables and screenshots in the project report. No graphical visualizations or automated report generation was used. |