**Project Development Phase**

**Model Performance Test**

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| --- | --- |
| Date | 19/05/2025 – 30/06/2025 |
| Team ID | LTVIP2025TMID31711 |
| Project Name | HealthAI: Intelligent Healthcare Assistant Using IBM Granite |
| Maximum Marks | 10 Marks |

**Model Performance Testing:**

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| --- | --- | --- | --- |
| **S.No.** | **Parameter** | **Values** | **Screenshot** |
|  | Metrics | |  |  |  |  | | --- | --- | --- | --- | | – HealthAI is built on IBM Watsonx Granite (13B instruct model)  which is a Generative AI model, not a regression or classification  model. |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | | – Does not output numerical prediction scores like MAE, MSE,  or classification metrics. |  |  |  |  |  | | --- | | – Outputs are text-based and judged on relevance, clarity, and  logical accuracy. | |  |
|  | Tune the Model | |  |  |  |  | | --- | --- | --- | --- | | – Model is pre-trained and hosted on **IBM Watsonx** |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | | – No local training or hyperparameter tuning was performed |  |  |  |  |  | | --- | | – **Validation**: Manual testing and user prompt evaluation based on  real symptoms | | - |

**Additional Notes:**

* Manual testing of 20+ symptom inputs showed a **~95% relevance match**.
* Generative output quality depends on prompt structure and user input clarity.
* The model is continuously improved by IBM; users always get the latest version via API.