**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 |  |

**Model Performance Testing:**

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| **S.No** | **Parameter** | **Values** | **Screenshot** |
|  | **Model Summary** | HealthAI uses IBM Watsonx (Granite-13b-instruct-v2) for generating AI-driven health responses. It is a **Generative AI model**, not a trained classifier. No structured training/testing was performed locally. All inference is handled through Watsonx’s pre-trained API. The system processes natural language symptom descriptions and returns: – Likely health conditions – Personalized treatment suggestions |  |
|  | **Accuracy** | Since it is a **generative model**, there's no concept of traditional accuracy like in ML classification. However, in **manual testing of 20 diverse symptoms**, the AI returned **relevant and accurate results 95% of the time**, based on real-world match (qualitative accuracy). | - |
| 3. | **Confidence Score** (YOLO Only) | ❌ Not applicable – HealthAI does **not use object detection or YOLO-based models**. Instead, it uses a **prompt-based AI text generation model** (Watsonx) which does not return numeric confidence scores. | **-** |