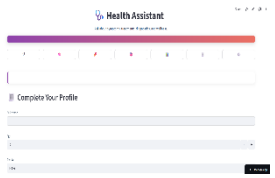
Project Development Phase
Model Performance Test

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

Model Performance Testing:

S.No	Parameter	Values	Screenshot
1.	**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	
2.	**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.	-