## Project Development Phase Model Performance Test

Date	26 JUNE 2025	
Team ID	LTVIP2025TMID29388	
Project Name	Edu-Tutor AI: Personalized Learning with	
	Generative AI and LMS Integration	
Maximum Marks	10 Marks	

## **Model Performance Testing:**

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

S.No.	Parameter	Values	Screenshot
1.	Metrics	Type of Model Used: Instruction- tuned LLM (IBM Granite 3.3 2B)  → Not a regression/classification model, but a generative model. Thus, metrics like MAE, MSE, etc., are not applicable. Instead, evaluation based on: - Functional testing - Response relevance - Content quality - Latency (response time under 3 sec)	Al Edu-Tator (Enhanced)   Topics   Edu   Edu   Al Discussion   Englass   Educationis   Endis     Separal Secusion   Education   Englass   Educationis   Endis     Separal Secusion   Education   Education   Englass   Educationis   Endis     Separal Secusion   Education   Education   Education   Education   Education   Education   Education     Separal Secusion   Education   E
2.	Classification Metrics	<ul> <li>Not applicable – the app doesn't classify data; it generates content.</li> <li>→ Evaluation is subjective, using UAT test cases like:</li> <li>✓ Coherence</li> <li>✓ Correctness</li> <li>✓ Completeness</li> </ul>	Tell relequence Explanation: Explanation: Explanation: Explanation: Explanation: Explanation: The law flatters of a transmission feed and provided and an explanative review destinate splant, mutually power glass and communication reducels. The law flatters of a transmission feed and destination reduced.  1. "Explanation of the Arministic related and the explanation of the
3.	Tune the Model	- Hyperparameter Tuning: Not done; using pretrained ibm- granite/granite-3.3-2b-instruct - Validation Method: Manual validation through user test scenarios and educational relevance testing	