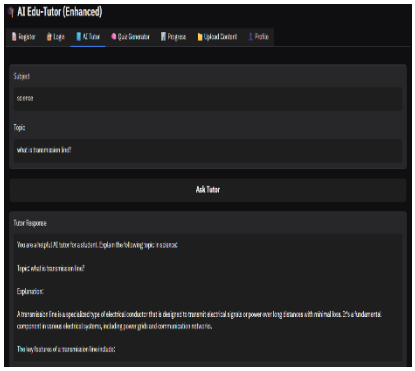
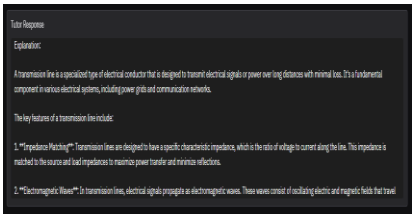
Project Development Phase
Model Performance Test

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)	
2.	Classification Metrics	❌ Not applicable – the app doesn't classify data; it generates content. ➞ **Evaluation is subjective**, using UAT test cases like: ✓ Coherence ✓ Correctness ✓ Completeness	
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	----------