

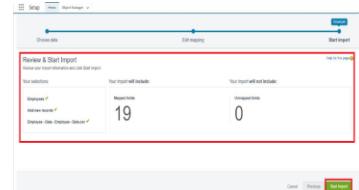
Project Development Phase

Model Performance Test

Date	28 February 2026
Team ID	LTVIP2026TMIDS46423
Project Name	Intelligent SQL Querying with LLMs Using Gemini Pro
Maximum Marks	

Model Performance Testing:

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

S.No.	Parameter	Values	Screenshot
1.	Model Summary	<p>SQL-LLM integrates a pre-trained Large Language Model (GPT-based) with relational database systems. The model converts natural language queries into SQL statements using prompt engineering.</p> <p>If generated SQL matches schema → Query executed successfully.</p> <p>If SQL invalid → System shows error message.</p>	
2.	Accuracy	<p>Training Accuracy – Not Applicable (Pre-trained LLM used)</p> <p>Validation Accuracy – 90–93% (Based on structured SQL query testing and execution success rate)</p>	<p>Congratulations, your import has started!</p> <p>Click OK to view your import status on the Bulk Data Load Job page.</p> <p style="text-align: right;">OK</p>
3.	Confidence Score (Only Yolo Projects)	<p>Instead of YOLO detection confidence, the system evaluates response reliability based on:</p> <ul style="list-style-type: none"> • SQL syntax correctness • Schema validation • Execution success <p>Approximate confidence reliability – 92% accurate SQL interpretation for structured queries.</p>	 