

## Project Development Phase

### Model Performance Test

Date	08 February 2026
Team ID	LTVIP2026TMIDS65960
Project Name	Intelligent SQL Querying with LLMs Using Gemini Pro
Maximum Marks	

#### Model Performance Testing:

S.No	Parameter	Values	Screenshot
1	Model Summary	Salesforce automation setup for managing IntelliSQL query logs using Custom Objects, Fields, and Reports. Custom Object: Query_Log__cFields: User_Query, Generated_SQL, Execution_Time, Accuracy_Status, Query_Type, Timestamp. Note: If imported records match validation rules, records are created successfully; otherwise, validation errors are shown.	
2	Accuracy	Query Success Rate (Training Phase Testing) – 95% Validation Accuracy (Live Testing) – 94% Successful Queries: 94 out of 100 Failed Queries: 6 out of 100	
3	Confidence Score (LLM Output Confidence)	Class Detected: Query Type (SELECT, JOIN, GROUP BY, Aggregation). Confidence Score: If the system is ≥ 92% confident, SQL is marked as Valid. If < 80%, flagged for review. Average LLM Confidence: 93%	

#### Salesforce Implementation Details

Custom Object Created:

- Query\_Log\_\_c

Key Fields:

- User Query (Text Area)
- Generated SQL (Long Text Area)
- Execution Time (Number)
- Accuracy Status (Picklist: Correct / Incorrect)
- Query Type (Picklist)
- Confidence Score (Percentage)

#### Salesforce Reports Created

1. Query Success Rate Report
2. Accuracy by Query Type
3. Execution Time Trend Report
4. Low Confidence Query Report
5. Daily Usage Summary