

ProjectDesignPhase
Problem–SolutionFit Template

Date	08February2026
Team ID	LTVIP2026TMIDS66060
ProjectName	Intelligent SQL Querying with LLMs Using Gemini Pro
MaximumMarks	2 Marks

Problem–SolutionFitTemplate:

ProblemIdentified:

Many users such as students, analysts, and non-technical professionals struggle to retrieve data from databases because SQL query writing is complex. Writing queries requires knowledge of syntax, joins, aggregations, and optimization. This leads to dependency on technical experts and delays decision-making.

CustomerBehaviorObserved:

Users prefer asking questions in natural language instead of writing SQL. They frequently search online or depend on developers for query help.

SolutionFit:

The Intelli SQL system converts natural language questions into optimized SQL queries using Gemini Pro. This directly matches user behavior and reduces technical barriers. The solution aligns with user expectations of conversational interaction and fast data retrieval.

Template:

