Project Planning Phase

Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)

Date	15 February 2025
Team ID	LTVIP2026TMIDS87048
Project Name	Intelligent SQL Querying with LLMs Using Gemini
Maximum Marks	5 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Database Setup	USN-1	As a developer, I can create the SQLite database for storing student data	2	High	Team
Sprint-1	Database Setup	USN-2	As a developer, I can design the STUDENTS table schema	1	High	Team
Sprint-2	Database Setup	USN-3	As a developer, I can insert sample records into the database	2	High	Team
Sprint-1	Gemini Integration	USN-4	As a developer, I can configure the Gemini API key and environment	3	High	Team
Sprint-1	Gemini Integration	USN-5	As a developer, I can design a prompt for SQL generation	3	High	Team
Sprint-2	SQL Generation	USN-6	As a user, I can enter a question in natural language	2	High	Team
Sprint-2	SQL Generation	USN-7	As a system, I can generate SQL queries using Gemini	5	High	Team

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	SQL Execution	USN-8	As a system, I can execute generated SQL on SQLite database	3	High	Team
Sprint-2	User Interface	USN-9	As a user, I can view the generated SQL query	1	Medium	Team
Sprint-2	Error Handling	USN-10	As a user, I can view the generated SQL query	2	High	Team

Project Tracker, Velocity & Burndown Chart: (4 Marks)

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	11	10 Days	29 Jan2025	07 Feb 2025	11	07 Feb 2025
Sprint-2	13	10 Days	8 Feb 2025	17 Feb 2025	13	17 Feb 2025

Velocity

Velocity = Total Story Points Completed / Number of Sprints

Total Story Points = 11 + 13 = **24**
Number of Sprints = **2**

Velocity = 24 / 2
Velocity = **12 Story Points per Sprint**