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

| Date | 19 February 2026 |
|---|---|
| Team ID | LTVIP2026TMIDS41804 |
| Project Name | IntelliSQL: Intelligent SQL Querying with LLMs Using Gemini Pro |
| Maximum Marks | 5 Marks |

**Product Backlog, Sprint Schedule, and Estimation**

Use the below template to create product backlog and sprint schedule

| Sprint | Functional Requirement (Epic) | User Story Number | User Story / Task | Story Points | Priority | Team Members |
|---|---|---|---|---|---|---|
| Sprint-1 | Database Integration | USN-1 | As a user, I can connect the system to a database and load its schema. | 4 | High | Isikela kavya |
| Sprint-1 | Natural Language Input | USN-2 | As a user, I can enter a natural language query in the application. | 3 | High | Iswarya Turaka |
| Sprint-2 | SQL Generation (LLM) | USN-3 | As a user, I can convert natural language into SQL using Gemini Pro. | 5 | High | k kapil |
| Sprint-2 | Query Execution | USN-4 | As a user, I can execute the generated SQL query on the database. | 4 | High | Isikela Kavya |

| Sprint-2 | Result Visualization | USN-5 | As a user, I can view query results in a table format on the dashboard. | 4 | Medium | k kapil |

**Project Tracker, Velocity & Burndown Chart:**

| 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 | 7 | 5 Days | 02 Mar 2026 | 07 Oct 2026 | 7 | 07 Mar 2026 |
| Sprint-2 | 13 | 6 Days | 09 Mar 2026 | 14 Nov 2026 | 13 | 14 Mar 2026 |

**Velocity:**
Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$