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

Date	26 June 2026
Team ID	LTVIP2025TMID35978
Project Name	Traffictelligence
Maximum Marks	5 Marks

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

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	Traffic Volume Prediction Error Handling Navigation	USN-1 USN-2 USN-3	As a commuter, I can input weather and time data to get traffic predictions.	3	High	Members 1,2
Sprint-1	Traffic Volume Prediction Maintenance UI Enhancement	USN-4 USN-5	As a manager, I can view traffic predictions for planning.	2	High	Members 3,4

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	6	5 Days	21 Jun 2026	26 Jun 2026	6	26 Jun 2026
Sprint-2	9	5 Days	21 Jun 2026	26 Jun 2026	9	26 Jun 2026
Sprint-3	0	5 Days	21 Jun 2026	26 Jun 2026	0	26 Jun 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)

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

- Sprint-1: 6 points / 5 days = 1.2 points/day

- Sprint-2: 9 points / 5 days = 1.8 points/day

- Average Velocity: (1.2 + 1.8) / 2 = 1.5 points/day