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

Date	28 June 2025
Team ID	LTVIP2025TMID40870
Project Name	TrafficTelligence: Advanced Traffic Volume Estimation with Machine Learning.
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 / Task	Story Points	Priority	Team Member
Sprint-1	Data Collection	Collect dataset	2	High	Member 1
Sprint-1	Data Collection	Load dataset	1	High	Member 2
Sprint-1	Data Preprocessing	Handle missing values	3	High	Member 3
Sprint-1	Data Preprocessing	Encode categorical data	2	Medium	Member 4
Sprint-2	Model Building	Build & train ML model	5	High	Member 1
Sprint-2	Model Evaluation	Test & evaluate model	3	High	Member 2
Sprint-2	Deployment	Create HTML Pages	3	Medium	Member 3
Sprint-2	Deployment	Deploy with Flask	5	High	Member 4

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

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed	Sprint Release Date (Actual)
Sprint-1	8	5 Days	19 May 2025	23 May 2025	8	23 May 2025
Sprint-2	16	5 Days	26 May 2025	30 May 2025	16	30 May 2025
Sprint-3	16	5 Days	02 June 2025	06 June 2025		
Sprint-4	16	5 Days	09 June 2025	13 June 2025		
Sprint-5	16	5 Days	16 June 2025	20 June 2025		
Sprint-6	16	5 Days	24 June 2025	28 June 2025		

Velocity:

Total Story Points = 8 + 16 = 24
Number of Sprints = 2

Velocity = 24 ÷ 2 = 12 Story Points/Sprint **Burndown**

Burndown Chart Explanation:

A burndown chart for this project would show 24 story points at the start, reducing steadily over 2 sprints to 0. Sprint-1 completed 8 points and Sprint-2 completed 16 points. Since both sprints completed all planned stories, the burndown line would show consistent progress with no carryover. This indicates a healthy and balanced sprint schedule.