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

Date	25 June 2025
Team ID	**LTVIP2025TMID40962**
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 Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Real-Time Traffic Monitoring	USN-1	As a user, I can view real-time traffic flow on a map interface using camera and sensor data.	3	High	Mutti Reddy Shalom Vishal
Sprint-1	Traffic Prediction Module	USN-2	As a system, I can predict traffic congestion based on historical and live data using ML.	5	High	Nuthi Haarika
Sprint-2	Violation Detection	USN-3	As an admin, I can detect traffic violations such as red-light jumping using video analysis.	3	Medium	Poojitha Moravaneni
Sprint-2	User Dashboard	USN-4	As a user, I can access a dashboard to check traffic status and violation reports.	2	Medium	Konduru Sreeram
Sprint-3	Notification System	USN-5	As a user, I will receive alerts about traffic congestion or accidents in my route.	2	Low	Mutti Reddy Shalom Vishal
Sprint-3	Admin Analytics Panel	USN-6	As an admin, I can view analytics on traffic patterns and system performance.	3	Medium	Greeshma N

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	8	7 Days	11 June 2025	17 June 2025	8	17 June 2025
Sprint-2	5	7 Days	18 June 2025	24 June 2025	5	24 June 2025
Sprint-3	5	6 Days	25 June 2025	30 June 2025	5	30 June 2025

Velocity:

The team's average velocity across sprints is:

(8 + 5 + 5) / 3 = 6 story points per sprint