

**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:**

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

**Velocity:**

Total Story Points =  $8 + 16 = 24$

Number of Sprints = 2

Velocity =  $24 \div 2 = 12$  Story Points/Sprint

**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.