

Project Planning Phase

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

Date	6 Feb 2026
Team ID	LTVIP2026TMIDS24926
Project Name	Visualization Tool For Electric Vehicle Charge And Range Analysis
Maximum Marks	5 Marks

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

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Dashboard Access	USN-1	As a user, I can access the dashboard to explore Electronic vehicles (ev) data	2	High	
Sprint-1		USN-2	As a user, I can filter sites by region, category, year	3	High	
Sprint-1		USN-3	As a user, I can view site-level details by clicking on data points	2	Medium	
Sprint-2	Visualization	USN-5	As a user, I can view charts(bar,tree,pie,line)	5	Medium	

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2		USN-6	As a user, I can see forecasted trends in data	3	High	
Sprint-2	Export and share	USN-7	As a user, I can download charts or share the charts for reports	2	Medium	
Sprint-2		USN-8	As a use,I can share dashboards links with peers	2	Low	

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	20	6 Days	16 June 2025	31 Jan 2026	20	31 Jan 2026
Sprint-2	20	6 Days	17 June 2025	2 Feb 2026		
Sprint-3	20	6 Days	23 June 2025	4 Feb 2026		
Sprint-4	20	6 Days	29 July 2025	6 Feb 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)

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

Burndown Chart:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.



