Project Planning Phase

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

Date	25 June 2025
Team ID	LTVIP2025TMID51636
Project Name	Visualizing Electric Vehicle Trends: An Analysis of Range, Brands, and Powertrain Features Using Tableau
Maximum Marks	5 Marks

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

print	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	EV Charging Station Analysis	USN-1	As a user, I want to view the number of EV charging stations by region to understand infrastructure spread.	3	High	Pradeep
Sprint-1	EV Top Speed Analysis	USN-2	As a user, I want to compare EV brands based on top speed for performance insights.	2	High	Murali
Sprint-1	EV Body Style Distribution	USN-3	As a user, I want to see how many models exist per EV body style (SUV, sedan, etc.) to explore style variety.	2	Medium	Deekshita
Sprint-2	EV Efficiency Ranking	USN-4	As a user, I want to view the most energy-efficient EV brands based on real-world data.	3	High	Irfan
Sprint-2	Charging Type Support	USN-5	As a user, I want to filter stations based on charger type (AC, DC-001, Type2, etc.) for compatibility.	3	Medium	Pradeep
Sprint-2	Price Comparison	USN-6	As a user, I want to compare EV brands based on price to make affordable choices.	2	Low	Irfan
Sprint-3	Powertrain Filter	USN-7	As a user, I want to filter cars based on powertrain type (Hybrid, Electric) to narrow my selection.	1	Low	Murali
Sprint-3	Map Visualization	USN-8	As a user, I want to view charging station locations on a map for easier navigation.	4	High	Deekshita

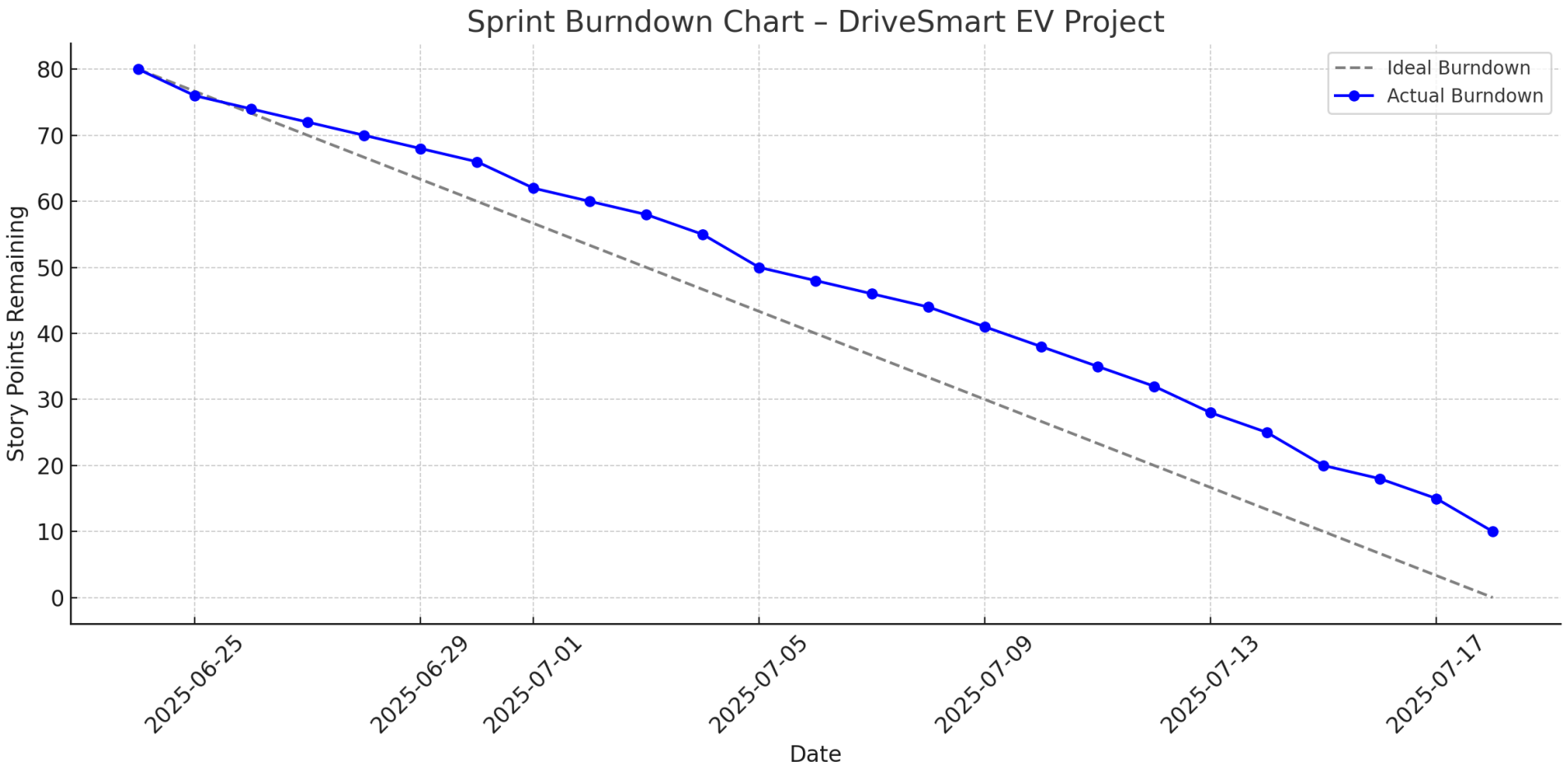
Project Tracker, Velocity & Burndown Chart: (4 Marks)

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	24 Jun 2025	27 Jun 2025	20	27 Jun 2025
Sprint-2	20	6 days	01 Jul 2025	06 Jul 2025	—	—
Sprint-3	20	6 days	08 Jul 2025	13 Jul 2025	—	—
Sprint-4	20	6 days	15 Jul 2025	20 Jul 2025	—	—

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)

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

Burndown Chart:



https://www.visual-paradigm.com/scrum/scrum-burndown-chart/

https://www.atlassian.com/agile/tutorials/burndown-charts

Reference:

https://www.atlassian.com/agile/project-management

https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software

https://www.atlassian.com/agile/tutorials/epics

https://www.atlassian.com/agile/tutorials/sprints

https://www.atlassian.com/agile/project-management/estimation

https://www.atlassian.com/agile/tutorials/burndown-charts