

Project Planning Phase

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

Date	15 February 2025
Team ID	LTVIP2025TMID47712
Project Name	Visualization Tool for Electric Vehicle Charge and Range Analysis
Maximum Marks	5 Marks

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

As a team, we are able to explore electric vehicle charge and range analysis through interactive visualizations and dashboards created using Tableau.

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Data Integration	USN-1	As a developer, I can load and integrate multiple EV-related datasets into Tableau	3	High	Inapakolla Sai Saranya
Sprint-1	Data Preprocessing	USN-2	As a developer, I can clean and format data fields (e.g., city names, range categories)	2	High	Anurag Guptha
Sprint-2	Visual Analysis	USN-3	As a user, I can view EV growth trends using line and area charts	3	Medium	Nadipalli Devakiran
Sprint-2	Visual Analysis	USN-4	As a user, I can compare EV brands by range and cost using bar, bubble, and pie charts	3	High	Adadi Mouli Sri Priya
Sprint-3	Interactive Dashboard	USN-5	As a user, I can log into the application by entering email & password	2	High	Nadipalli Devakiran
Sprint-3	KPI and Comparison Cards	USN-6	As a user, I can navigate story points to understand EV market insights	2	Medium	Inapakolla Sai Saranya
Sprint-4	Storytelling Dashboard	USN-7	As a user, I can navigate a story dashboard that presents insights on EV adoption.	3	High	Adadi Mouli Sri Priya
Sprint-4	Documentation & Testing	USN-8	As a team, we can prepare project documentation and test the performance of visuals.	2	Medium	Nadipalli Devakiran

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	4 Days	31 Jan 2025	03 Feb 2025	20	03 Feb 2025
Sprint-2	20	4 Days	04 Feb 2025	07 Feb 2025	20	07 Feb 2025
Sprint-3	20	4 Days	08 Feb 2025	11 Feb 2025	20	11 Feb 2025
Sprint-4	20	4 Days	12 Feb 2025	15 Feb 2025	20	15 Feb 2025

$$AV = \frac{20 \text{ story points}}{4 \text{ days}} = 5 \text{ story points per day}$$

Burndown Chart :

