

## Project Planning Phase

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

Date	25 June 2025
Team ID	LTVIP2025TMID20831
Project Name	Visualization Tool for Electric Vehicle Charge and Range Analysis
Maximum Marks	5 Marks

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

Thanks, Saijiya! Based on the new screenshot, here's a table structure for your **Electric Vehicle Data Analytics** project, styled with those exact headings:

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint 1	EV Adoption Trends Analysis	US001	Import, clean, and visualize EV registration data for India and global regions	5	High	Saijiya Anzum
Sprint 1	Charging Infrastructure Insights	US002	Map charging station locations and analyze gaps in accessibility	8	High	Joji babu
Sprint 2	Battery Tech & Performance Comparison	US003	Create visualizations comparing battery degradation and efficiency across models	13	Medium	Saijiya Anzum
Sprint 2	Environmental Impact of EVs	US004	Link EV usage data to CO <sub>2</sub> emissions	8	Medium	Vyshnavi

			reduction and energy source insights			
Sprint 3	Policy & Consumer Incentives	US005	Visualize subsidy coverage, TCO comparison, and tax incentives	5	Low	Mani Chandrika
Sprint 3	Forecasting EV Market Trends	US006	Predict future EV sales and model penetration using time-series forecasting methods	13	High	Joji babu

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

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date	Story Points Completed	Sprint Release Date
Sprint-1	8	5 Days	20 June 2025	24 June 2025	8	24 June 2025
Sprint-2	8	5 Days	25 June 2025	29 June 2025	TBD	TBD

#### Velocity :

**Velocity = Total Story Points Completed / Number of Sprints**

=  $8 / 1 = 8$  story points/sprint **(after Sprint-1)**

Once Sprint-2 is complete:

Velocity =  $(8 + 8) / 2 = 8$  story points/sprint **(maintained)**

#### Burndown Chart:

Use tools like Excel or Google Sheets to plot:

X-axis: Days of the sprint

Y-axis: Remaining story points

Show planned vs actual burndown

