

Project Planning Phase

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

Date	24 Jan 2026
Team ID	LTVIP2026TMIDS25025
Project Name	Plugging into the Future: An exploration of electricity
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	Data Management	USN-1	As an admin, I can upload the electricity dataset	3	High	Pavani
Sprint-1	Data Processing	USN-2	As a system, I clean and preprocess electricity data	3	High	Pavani
Sprint-1	Dashboard	USN-3	As a user, I can view state-wise electricity consumption	5	High	Pavani
Sprint-1	Dashboard	USN-4	As a user, I can view year-wise consumption trends	5	High	Pavani
Sprint-1	Filtering	USN-5	As a user, I can filter data by state	3	High	Pavani
Sprint-1	Filtering	USN-6	As a user, I can filter data by year	3	High	Pavani
Sprint-2	Comparison	USN-7	As a user, I can compare electricity consumption between states	5	Medium	Pavani
Sprint-2	Insights	USN-8	As a user, I can identify high and low consumption states	3	Medium	Pavani
Sprint-2	Reports	USN-9	As a user, I can export dashboard data	3	Medium	Pavani
Sprint-2	Visualization	USN-10	As a user, I can view sector-wise electricity usage	4	Medium	Pavani

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	18 Jan 2026	23 Jan 2026	20	23 Jan 2026
Sprint-2	20	6 Days	25 Jan 2026	30 Jan 2026	18	31 Jan 2026
Sprint-3	20	6 Days	01 Feb 2026	06 Feb 2026	20	06 Feb 2026
Sprint-4	20	6 Days	08 Feb 2026	13 Feb 2026	19	14 Feb 2026

Velocity Calculation: $\text{Velocity} = \text{Total Story Points Completed} / \text{Number of Sprints} = (20+18+20+19) / 4 = 19.25 \text{ story points per sprint}$

Burndown Chart

