

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

Burndown Chart

