

Project Planning Phase

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

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| Date | 14 February 2026 |
| Team ID | LTVIP2026TMIDS53894 |
| Project Name | Visualization Tool for Electric Vehicle Charge and Range Analysis |
| Maximum Marks | 4 Marks |

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

| Sprint | Functional Requirement (Epic) | User Story No. | User Story / Task | Story Points | Priority | Team Members |
|----------|-------------------------------|----------------|---|--------------|----------|-----------------|
| Sprint-1 | Data Connection | USN-1 | As a team, we can import all EV datasets into MySQL and verify schema | 2 | High | Gotloori Balaji |
| Sprint-1 | Data Visualization (Cars) | USN-2 | As a user, I can view EV car specs, speed, and price in comparative views | 3 | High | Gotloori Balaji |
| Sprint-1 | Data Visualization (Charging) | USN-3 | As a user, I can view charging stations by region and type | 2 | High | Gotloori Balaji |
| Sprint-2 | Filtering Features | USN-4 | As a user, I can filter cars by powertrain, body style, or brand | 2 | Medium | Gotloori Balaji |
| Sprint-2 | Summary Cards | USN-5 | As a user, I can see summary cards comparing Indian and global EV brands | 2 | Medium | Gotloori Balaji |
| Sprint-2 | Dashboard & Story | USN-6 | As a user, I can view all sheets together in a dashboard & story layout | 3 | High | Gotloori Balaji |

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|----------|-------------------|-------|---|---|------|-----------------|
| Sprint-2 | Publish Dashboard | USN-7 | As a team, we can publish the dashboard to Tableau Public | 1 | High | Gotloori Balaji |
|----------|-------------------|-------|---|---|------|-----------------|

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 | 7 | 5 Days | 25 June 2025 | 29 June 2025 | 7 | 29 June 2025 |
| Sprint-2 | 8 | 6 Days | 30 June 2025 | 5 July 2025 | TBD | TBD |

Velocity:

For Sprint-1:

- Story Points Completed: **7**
- Duration: **5 Days**

→ **Velocity = $7 \div 5 = 1.4$ story points/day**

Use of Velocity:

- To estimate future sprints more accurately.
- Based on this, Sprint-2 (8 points) would ideally need:

$8 \div 1.4 \approx 5.7$ days \rightarrow Round to 6 Days