

# Project Planning Phase

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

## Product Backlog, Sprint Schedule, and Estimation

|                     |   |
|---------------------|---|
| <b>Team Id</b>      | LTVIP2025TMID51076  |
| <b>Project Name</b> | Visualization Tool for Electric Vehicle Charge and Range Analysis |
| <b>Date</b>         | 23/06/2025  |

| Sprint   | Functional Requirement | User Story Number | User story / Task   | Story point | Priority | Team Member |
|----------|------------------------|-------------------|---|-------------|----------|-------------|
| Sprint-1 | Registratation         | USN-1             | As a user, I can register for the application by entering my email, password, and confirming my password. | 2           | high     |             |
| Sprint-1 | Login                  | USN-2             | As a user, I can log into the application by entering email & password                                    | 1           | high     |             |
| Sprint-2 | Dashboard              | USN-3             | As a user, I can visualize easily   | 2           | High     |             |
| Sprint-1 | Public                 | USN-4             |   |             |          |             |

|          |  |       |  |  |  |  |
|----------|--|-------|--|--|--|--|
| Sprint-1 |  | USN-5 |  |  |  |  |
|----------|--|-------|--|--|--|--|

**Project Tracker, Velocity & Burndown Chart:**

| Sprint   | Total Story Point | Duration | Sprint Start Date | Sprint End Date | Story Point Completed | Sprint Realease Date |
|----------|-------------------|----------|-------------------|-----------------|-----------------------|----------------------|
| Sprint-1 | 20                | 5 Days   | 20 June 2025      | 25 June 2025    | 20                    | 25 June 2025         |
| Sprint-2 | 20                | 5 Days   | 20 June 2025      | 25 June 2025    | 15                    | 25 June 2025         |
| Sprint-3 | 20                | 5 Days   | 20 June 2025      | 25 June 2025    | 15                    | 25 June 2025         |
| Sprint-4 | 20                | 5 Days   | 20 June 2025      | 25 June 2025    | 20                    | 25 June 2025         |

**Velocity:**

Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let’s calculate the team’s average velocity (AV) per iteration unit (story points per day)

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$

**Burndown Chart:**

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.