Project Planning Phase

Project Planning Template(ProductBacklog,SprintPlanning, Stories, Story points)

Date	28 June 2025
Team ID	**LTVIP2025TMID49020**
Project Name	**Visualization tool for electric vehicle charge and range analysis**
Maximum Marks	**5Marks**

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

Use the below template to create product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Member
Sprint-1	Dataset Integration	USN-1	As a user, I can upload and clean	3	High	Individual
Sprint-1	Data Preprocessing	USN-2	As a user, I can preprocess and	2	High	Individual
Sprint-1	Dashboard Setup	USN-3	As a user, I can create a dashboard	2	Medium	Individual
Sprint-2	Filtering Functionality	USN-4	As a user, I can filter EVs by price, range,	3	High	Individual
Sprint-2	Charging Station Mapping	USN-5	As a user, I can view charging station	2	High	Individual
Sprint-2	Cost & Efficiency Insights	USN-6	As a user, I can view calculated cost-per-	2	Medium	Individual
Sprint-3	Story Design	USN-7	As a user, I can view a multi-page	3	High	Individual
Sprint-3	Export & Reporting	USN-8	As a user, I can download or share	1	Medium	Individual

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

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on	Sprint Release Date (Actual)
Sprint-1	20	6 Days	26 May 2025	1 Jun 2025	20	28 Jun 2025
Sprint-2	20	6 Days	2 Jun 2025	7 Jun 2025	19	28 Jun 2025
Sprint-3	20	6 Days	8 Jun 2025	13 Jun 2025	20	28 Jun 2025
Sprint-4	20	6 Days	14 Jun 2025	20 Jun 2025	18	28 Jun 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:
Aburn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such asScrum. However, burn down charts can be applied to any project containing measurable progress over time.

https://www.visual-paradigm.com/scrum/scrum-burndown-chart/

https://www.atlassian.com/agile/tutorials/burndown-charts

Reference:

https://www.atlassian.com/agile/project-management

https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software

https://www.atlassian.com/agile/tutorials/epics

https://www.atlassian.com/agile/tutorials/sprints

https://www.atlassian.com/agile/project-management/estimation

https://www.atlassian.com/agile/tutorials/burndown-charts