Project Planning Phase

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

Date	15 February 2025
Team ID	LTVIP2025TMID48398
Project Name	Visualization tool for EV charge&range analysis
Maximum Marks	5 Marks

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 Members
Sprint-1	Data Collection & Preparation	USN-1	As a user, I can view clean data of EV charge and range for analysis	2	High	Reshma
Sprint-1	Geographic Insights	USN-2	As a user, I can explore an interactive map of EV vehicles through out the world	3	High	Pavan sai
Sprint-2	Filtering and Interactivity	USN-3	As a user, I can filter sites by country, continent, and type	2	High	yeswanth

Sprint-2	Trend Analysis	USN-4	As a user, I can analyze the number of sites added per year using timeline	2	Medium	Reshma
Sprint-3	Ranking and Insights	USN-5	As a user, I can view top 10 countries with the most Electric vehicles	1	Medium	Reshma,yeswanth
Sprint-3	Dashboard KPIs	USN-6	As a user, I can view KPIs like total vehicles, types, and countries	2	High	Pavan sai
Sprint-4	Storytelling	USN-7	As a user, I can read a story summarizing dashboard insights	3	High	Pavan Sai, yeswanth

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	5	5 Days	15 June 2025	19 June 2025	5	19 June 2025

Sprint-2	4	4 Days	20 June 2025	23 June 2025	4	23 June 2025
Sprint-3	3	3 Days	24 June 2025	26 June 2025	3	26 June 2025
Sprint-4	8	2 Days	27 June 2025	28 June 2025	8	28 June 2025

Velocity:
Imagine we have a 14-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)

Average Velocity = 20 / 14 =1.43/day

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.

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