Project Planning Phase

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

Date	11 February 2026
Team ID	LTVIP2026TMIDS35236
Project Name	Visualization Tool for Electric Vehicle Charge and Range Analysis
Maximum Marks	8 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	Dataset Preparation	USN-1	As a user, I want cleaned dataset so that I can analyse accurate information.	5	High	Team Leader
Sprint-1	Backend Setup (Flask)	USN-2	As a developer, I want to integrate Flask backend to serve dashboard pages.	5	High	Team Leader
Sprint-1	Dashboard Design	USN-3	As a user, I want an interactive dashboard showing country-wise site counts.	10	High	Team Leader
Sprint-2	Regional Analysis	USN-4	As a user, I want region-wise comparison of heritage sites.	8	High	Team Leader
Sprint-2	Category Analysis	USN-5	As a user, I want category-wise distribution (Cultural, Natural, Mixed).	4	Medium	Team Leader
Sprint-2	Danger Status Analysis	USN-6	As a user, I want to see sites in danger vs not in danger.	8	High	Team Leader
Sprint-3	Map Visualization	USN-7	As a user, I want a world map showing heritage site distribution.	6	High	Team Leader
Sprint-3	Year-wise Trend Analysis	USN-8	As a user, I want inscription trends over years.	4	Medium	Team Leader
Sprint-3	Web Integration	USN-9	As a user, I want the dashboard embedded in a responsive website.	10	High	Team Leader

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	5 Days	03 Feb 2026	07 Feb 2026	20	07 Feb 2026
Sprint-2	20	5 Days	08 Feb 2026	12 Feb 2026	20	12 Feb 2026
Sprint-3	20	5 Days	13 Feb 2026	17 Feb 2026	20	17 Feb 2026

Velocity:

Velocity per Sprint:

= 20 Story Points

Average Velocity:

$(20 + 20 + 20) \div 3 = 20$

Team Velocity = 20 points per sprint

Velocity per Day:

Each sprint = 5 days

$20 \div 5 = 4$

Average Velocity = **4** story points per 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.