Project Planning Phase

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

Date	02-02-2026
Team ID	LTVIP2026TMIDS24955
Project Name	Visualizing Housing Market Trends: An Analysis of Sale Prices and Features using Tableau
Maximum Marks	8 Marks

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

Use the below template to create product backlog and sprint schedule

Sprint	Epic	User Story No.	User Story / Task	Points	Priority	Assigned To
Sprint-1	Registration	USN-1	As a user, I can register with my name and email	2	High	Koka Sarath Mahesh
Sprint-1	Upload CSV	USN-2	As a user, I can upload electricity data in CSV format	3	High	Koka Sarath Mahesh
Sprint-1	Data Cleaning	USN-3	As a developer, I can clean and preprocess uploaded data using Python	4	High	Nidamanuri Sohith Kumar
Sprint-1	Database Storage	USN-4	As a developer, I can store cleaned data into MySQL	2	Low	Nimmagadda Lakshman Kumar
Sprint-2	Tableau Dashboard	USN-5	As a user, I can view dashboards generated using Tableau	5	High	Nidamanuri Sohith Kumar
Sprint-2	Web Integration	USN-6	As a user, I can access the dashboard via Flask UI	3	High	Nimmagadda Lakshman Kumar
Sprint-2	Add Filters	USN-7	As a user, I can filter the data by region, year, and quarter	2	Medium	Nidamanuri Sohith Kumar
Sprint-3	Data Story	USN-8	As a user, I can view a Tableau Story with key electricity usage insights	2	Low	Nidamanuri Sohith Kumar

Sprint-3	Forecasting	USN-9	As a developer, I can forecast usage using Prophet	3	Low	Nimmagadda Lakshman Kumar
Sprint-3	Documentation	USN-10	As a team, we can prepare final project documentation	2	Medium	Koka Sarath Mahesh
Sprint-4	Deployment	USN-11	As a developer, I can deploy the Flask app and publish the Tableau dashboard online	3	High	Nimmagadda Lakshman Kumar
Sprint-4	Demo Prep	USN-12	As a team, we can prepare a live demo walkthrough for stakeholders	2	Medium	Kollipara Venkata Sai Karthik
Sprint-4	Bug Fixing	USN-13	As a developer, I can test and fix UI/visual bugs from user feedback	2	Medium	Nidamanuri Sohith Kumar

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

Sprint	Total Story Points	Duration	Start Date	End Date	Points Completed	Release Date
Sprint-1	11	3 Days	29 Jan 2026	31 Jan 2026	11	31 Jan 2026
Sprint-2	10	3 Days	01 Feb 2026	03 Feb 2026	10	03 Feb 2026
Sprint-3	7	3 Days	04 Feb 2026	06 Feb 2026	7	06 Feb 2026
Sprint-4	7	3 Days	7 Feb 2026	9 Feb 2026	7	9 Feb 2026

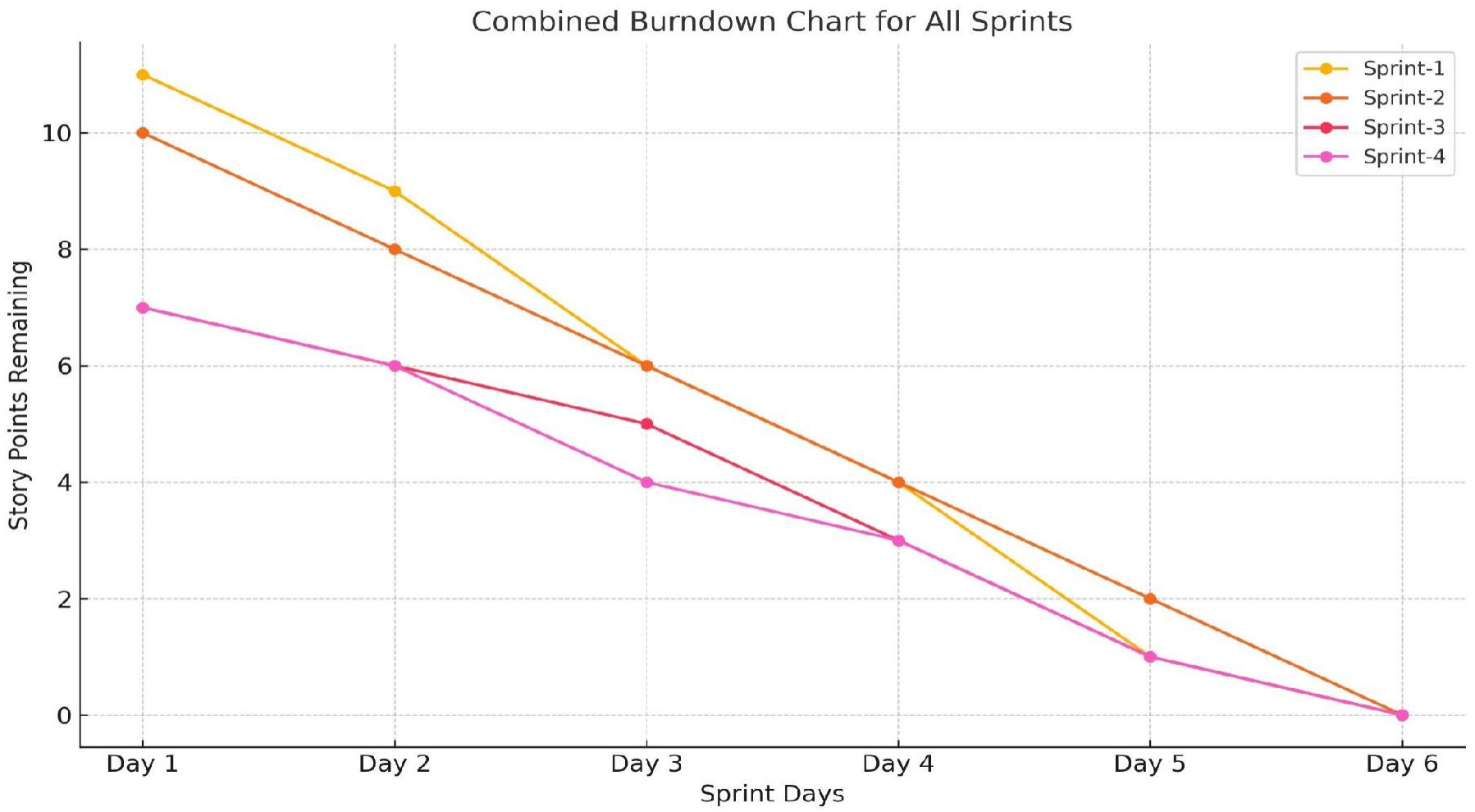
Velocity:

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)

$$\text{Velocity} = \frac{\text{Total Story Points}}{\text{Total Days}} = \frac{35}{16} \approx 2.19$$

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.


Combined Burndown Chart for All Sprints
Sprint-1
Sprint-2
Sprint-3
Sprint-4
Story Points Remaining
10
8
6
4
2
0
Day 1
Day 2
Day 3
Day 4
Day 5
Day 6
Sprint Days