Project Planning Phase

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

Date	22/06/25
Team ID	LTVIP2025TMID59126
Project Name	Visualizing Housing Market Trends: An Analysis of Sale Prices and Features using Tableau
Maximum Marks	5 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	N.Mahesh Babu
Sprint-1	Upload CSV	USN-2	As a user, I can upload electricity data in CSV format	3	High	V.Sneha Latha
Sprint-1	Data Cleaning	USN-3	As a developer, I can clean and preprocess uploaded data using Python	4	High	K.Venkata Sai
Sprint-1	Database Storage	USN-4	As a developer, I can store cleaned data into MySQL	2	Low	A.Puneeth
Sprint-2	Tableau Dashboard	USN-5	As a user, I can view dashboards generated using Tableau	5	High	N.Mahesh Babu
Sprint-2	Web Integration	USN-6	As a user, I can access the dashboard via Flask UI	3	High	K.Venkata Sai
Sprint-2	Add Filters	USN-7	As a user, I can filter the data by region, year, and quarter	2	Medium	V.Sneha Latha
Sprint-3	Data Story	USN-8	As a user, I can view a Tableau Story with key electricity usage insights	2	Low	A.Puneeth

Sprint-3	Forecasting	USN-9	As a developer, I can forecast usage using Prophet	3	Low	V.Sneha Latha
Sprint-3	Documentation	USN-10	As a team, we can prepare final project documentation	2	Medium	K.Venkata Sai
Sprint-4	Deployment	USN-11	As a developer, I can deploy the Flask app and publish the Tableau dashboard online	3	High	K.Veena Madhuri
Sprint-4	Demo Prep	USN-12	As a team, we can prepare a live demo walkthrough for stakeholders	2	Medium	A.Puneeth
Sprint-4	Bug Fixing	USN-13	As a developer, I can test and fix UI/visual bugs from user feedback	2	Medium	N.Mahesh Babu

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

Sprint	Total Story Points	Duration	Start Date	End Date	Points Completed	Release Date
Sprint-1	11	4 Days	11 June 2025	14 June 2025	11	14 June 2025
Sprint-2	10	4 Days	15 June 2025	18 June 2025	10	18 June 2025
Sprint-3	7	4 Days	19 June 2025	22 June 2025	7	22 June 2025
Sprint-4	7	4 Days	23 June 2025	26 June 2025	7	26 June 2025

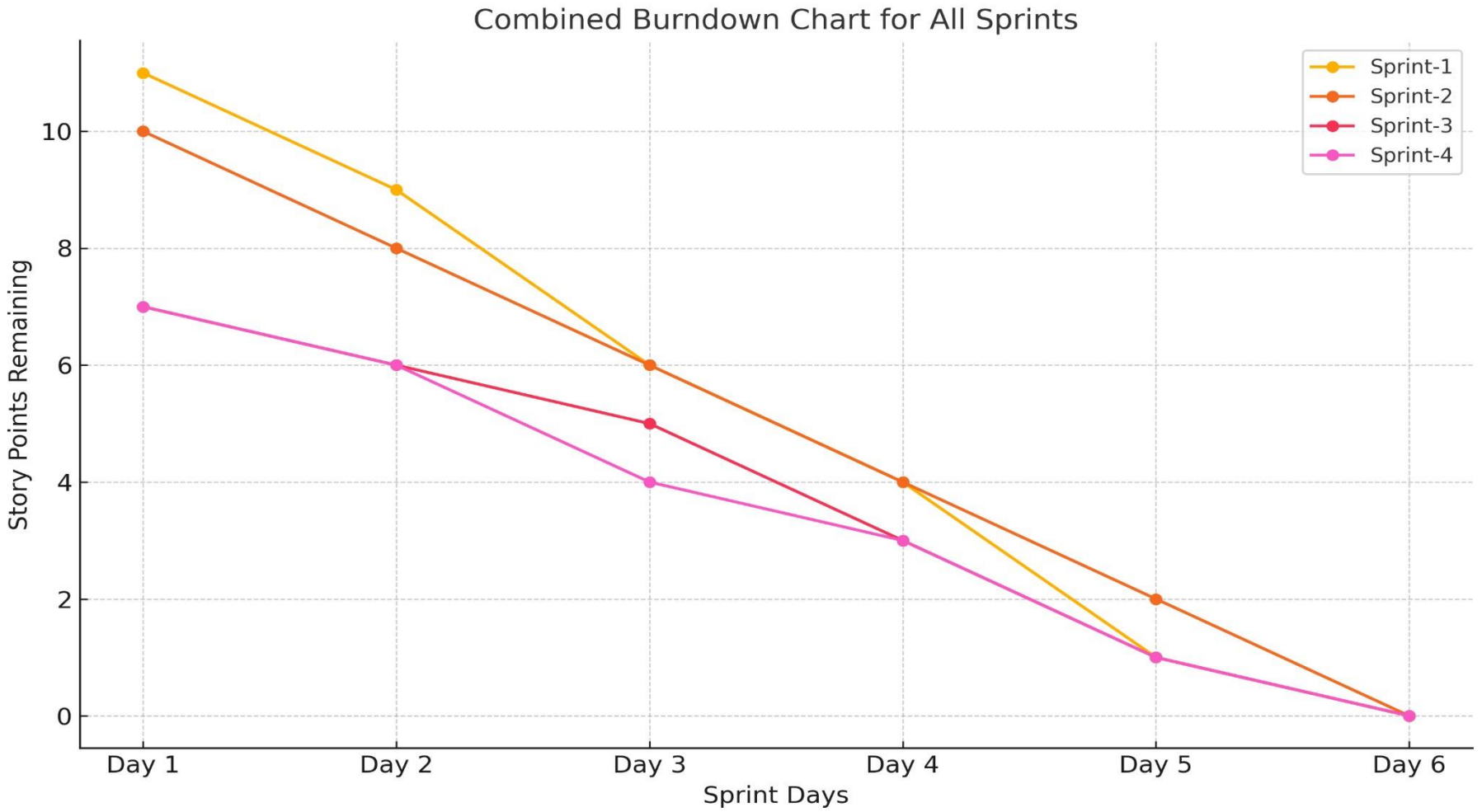
Velocity:

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)

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

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