

## Project Planning Phase

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

Date	30 June 2025
Team ID	LTVIP2025TMID49628
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	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	Import housing sales dataset	2	High	Member A, Member B
Sprint-1	Registration	USN-2	Clean and preprocess data	1	High	Member A
Sprint-1	Registration	USN-3	Create initial data visualizations	2	Low	Member D
Sprint-2	Login	USN-4	Develop filters for dashboards	2	Medium	Member B, Member C
Sprint-2	Dashboard	USN-5	Configure calculated fields	1	High	Member A

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

Sprint	Total Story Points	Duration	Sprint Start Date	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint 1	7	6 Days	23 June 2025	7	23 June 2025
Sprint 2	11	6Days	27 June 2025	11	27 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)

$$AV = \frac{\text{sprint duration}}{\text{velocity}} = \frac{20}{10} = 2$$

**Total Story Points Completed: 7 (Sprint-1) + 11 (Sprint-2) = 18**

**Total Days Worked: 3 + 4 = 7 Days**

**Average Velocity per Sprint:**

- **Sprint-1: 7 / 3 = 2.33 story points/day**

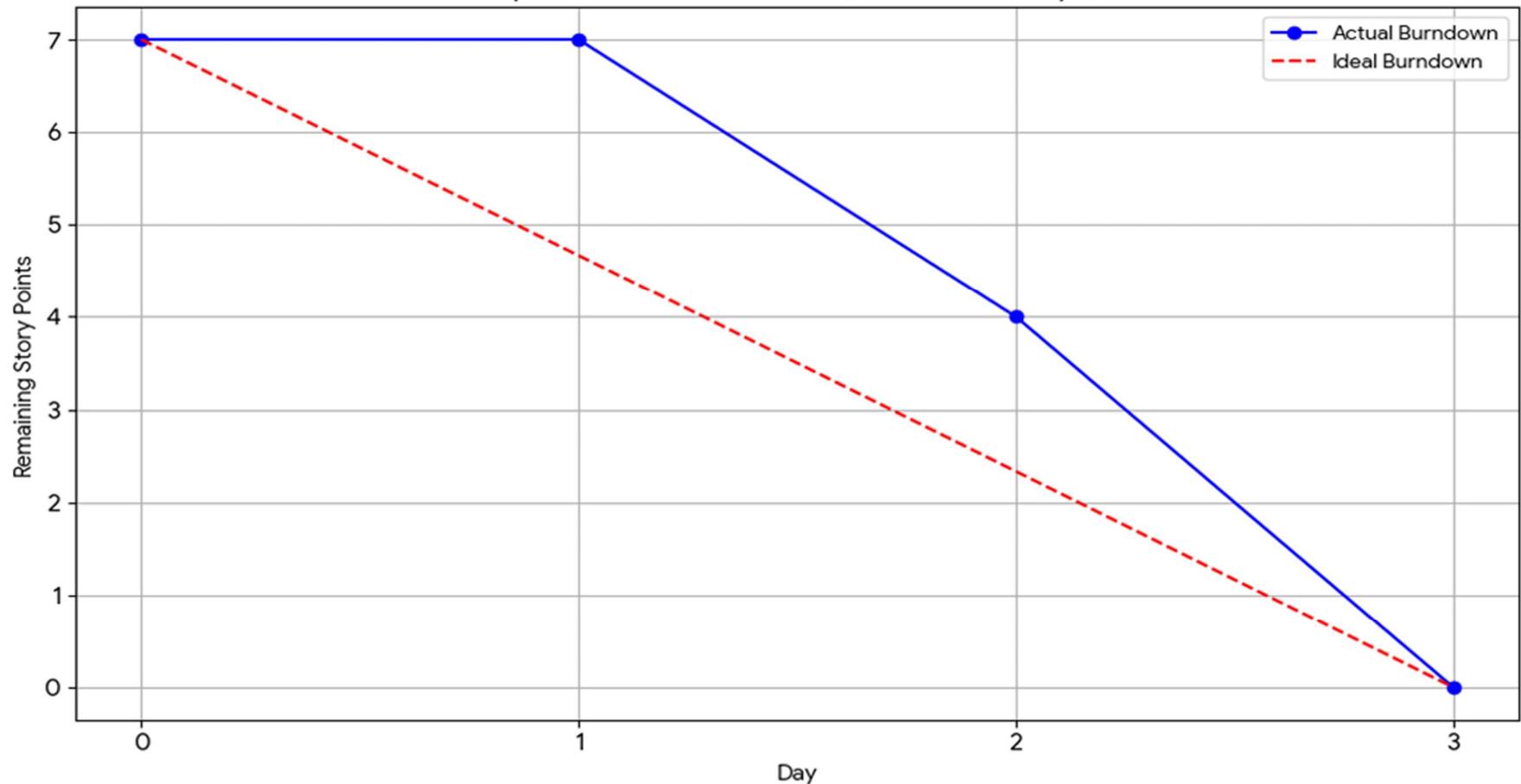
- **Sprint-2: 11 / 4 = 2.75 story points/day**

**Overall Average Velocity: 18 story points / 7 days = \*\*2.57 story points/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.

Sprint-1 Burndown Chart (7 Points in 3 Days)



Sprint-2 Burndown Chart (11 Points in 4 Days)

