Project Planning Phase

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

Date	17 February 2026
Team ID	LTVIP2026TMIDS87045
Project Name	Measuring the pulse of prosperity: an index of economic freedom
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 No	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Data Collection	US-1	Collect Economic Freedom dataset	3	High	Team
Sprint-1	Data Integration	US-2	Integrate World Bank indicators	2	High	Team
Sprint-1	Data Cleaning	US-3	Clean and prepare dataset	3	High	Team
Sprint-1	Database Setup	US-4	Store data in structured format	2	Medium	Team
Sprint-2	Data Analysis	US-5	Calculate country rankings	3	High	Team
Sprint-2	Comparison Analysis	US-6	Compare countries & indicators	3	High	Team
Sprint-2	Pillar Analysis	US-7	Analyze four pillars of economic freedom	2	High	Team
Sprint-3	Visualization	US-8	Create charts & graphs	3	High	Team

Sprint-3	Dashboard Development	US-9	Build interactive Tableau dashboard	4	High	Team
Sprint-3	Insight Generation	US-10	Highlight key insights	2	Medium	Team
Sprint-4	Storyboard	US-11	Develop data story in Tableau	2	Medium	Team
Sprint-4	Web Integration	US-12	Embed dashboard in web page	3	High	Team
Sprint-4	Deployment	US-13	Publish dashboard & web app	2	High	Team
Sprint-4	Testing & Documentation	US-14	Testing & final report preparation	2	Medium	Team

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

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed	Sprint Release Date
Sprint-1	10	6 Days	10 Jan 2026	16 Jan 2026	10	16 Jan 2026
Sprint-2	10	6 Days	22 Jan 2026	27 Jan 2026	10	27 Jan 2026
Sprint-3	9	6 Days	01 Feb 2026	06 Feb 2026	9	06 Feb 2026
Sprint-4	9	6 Days	08 Feb 2026	13 Feb 2026	9	13 Feb 2026

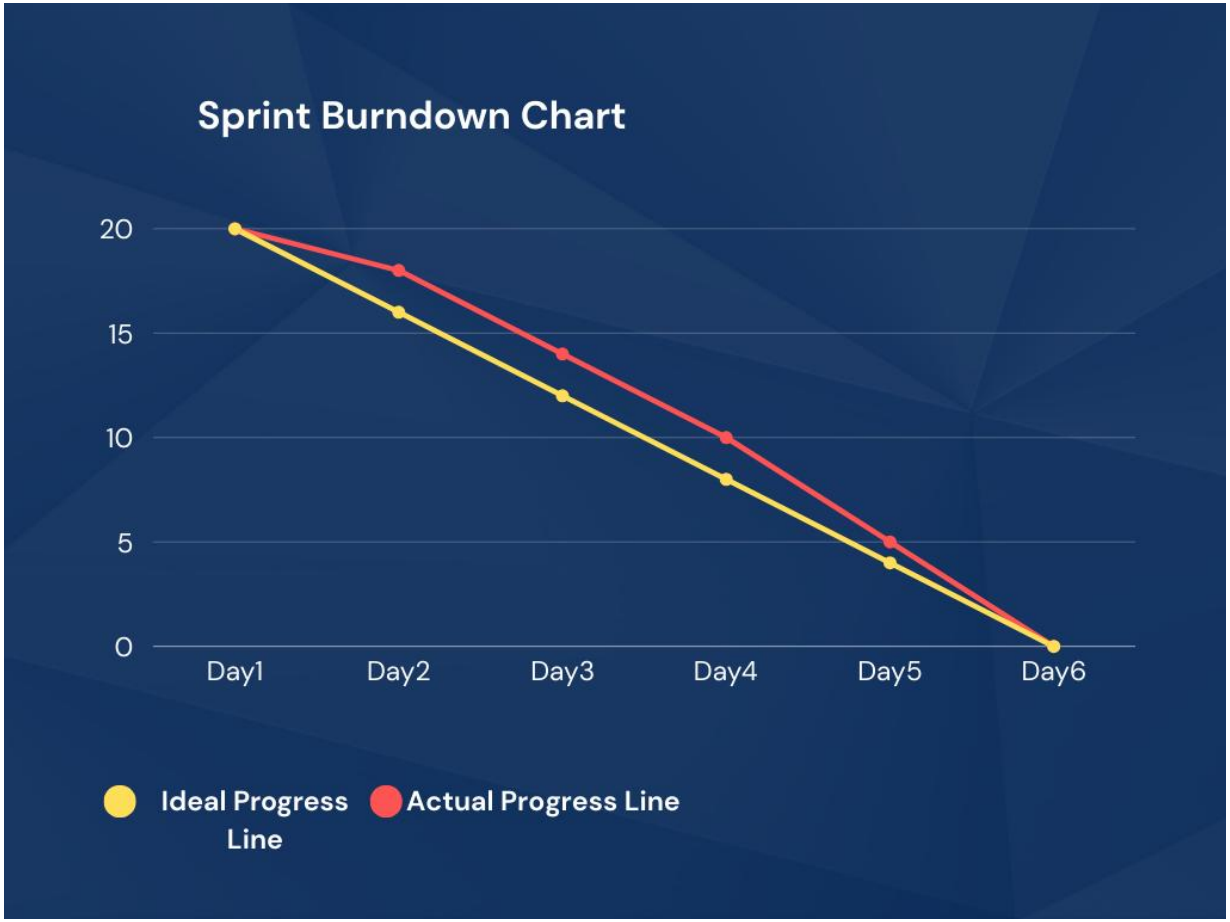
Velocity:

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)

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

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 Burndown Chart
20
15
10
5
0
Day1
Day2
Day3
Day4
Day5
Day6
Ideal Progress Line
Actual Progress Line

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