Project Planning Phase

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

Date	02 july 2025
Team ID	LTVIP2025TMID51129
Project Name	ToyCraft Tales: Tableau's Vision into Toy Manufacturer Data
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	Data Collection & Preprocessing	USN-1	As a user, I can collect and load toy manufacturing data into the database	2	High	G. Lokesh Naidu
Sprint-1	Data Preprocessing	USN-2	As a user, I can clean, handle missing values, and structure the data	3	High	G. Lokesh Naidu
Sprint-2	SQL & Tableau Integration	USN-3	As a user, I can perform SQL operations and connect the database to Tableau	3	High	G. Lokesh Naidu
Sprint-2	Data Visualization	USN-4	As a user, I can create visualizations like bar charts, pie charts, maps, etc.	5	High	G. Lokesh Naidu
Sprint-2	Dashboard	USN-5	As a user, I can create an interactive	4	High	G. Lokesh Naidu

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
			dashboard and build a story in Tableau			
Sprint-2	Story	USN-6	As a user, I can integrate the dashboard with a Flask web interface	4	Medium	G. Lokesh Naidu
Sprint-2	Documentation & Video	USN-7	As a user, I can prepare a demo video and full documentation of the project	3	Medium	G. Lokesh Naidu

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	5	5 Days	01 June 2025	05 June 2025	5	05 June 2025
Sprint-2	19	10 Days	06 June 2025	15 June 2025	19	15 June 2025

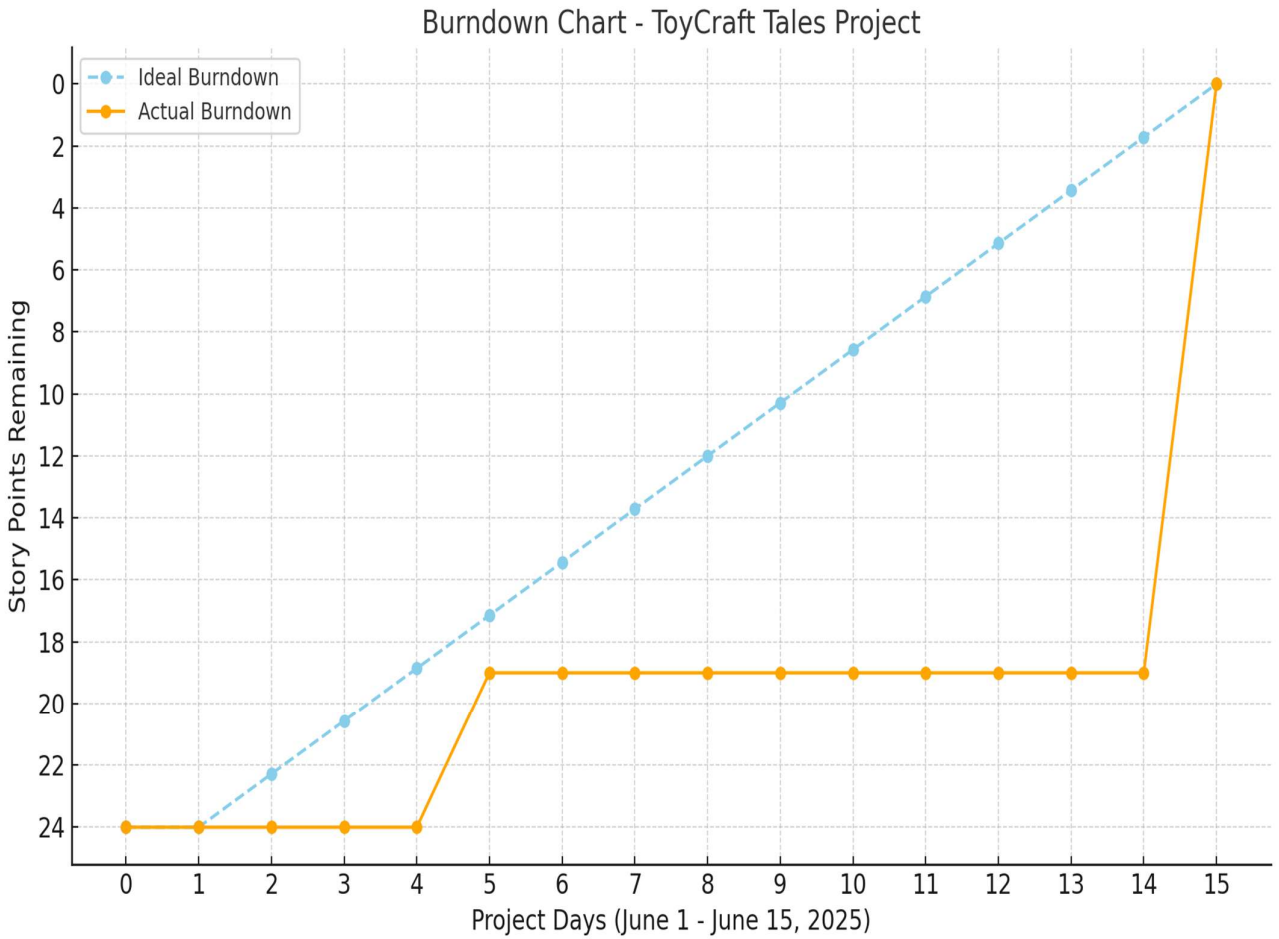
Velocity:

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)

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

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.



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