Project Planning Phase
Project Planning Template (Product Backlog, Sprint Planning, Stories, Storypoints)

Date	17th June 2025
Team ID	LTVIP2025TMID48638
Project Name	Comprehensive Analysis and Dietary strategies with tableau: A college food case study.
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 & Cleaning	USN-1	. As a user, I can import and clean college food choice data from survey datasets	3	High	Member 1
Sprint 1	Data Structuring	USN-2	As a user, I can categorize data by fields like Cuisine Preference, Calorie Count, etc.	2	High	Member 1
Sprint 2	Visualization Setup	USN-3	As a user, I can create charts like GPA vs. Diet Status, Comfort Food Reasons using Tableau	3	High	Member 1
Sprint 2	Interactive Dashboard	USN-4	As a user, I can filter visualizations based on gender, frequency, cooking habits, etc.	3	Medium	Member 1
Sprint 3	Analysis & Insights	USN-5	As a user, I can analyze diet impact on student well-being using visual patterns	4	High	Member 2
Sprint 3	Recommendation System	USN-6	As a user, I can view personalized dietary recommendations based on student group profiles	3	Medium	Member 2
Sprint 4	Report Generation	USN-7	As a user, I can export visuals and insights	2	Medium	Member 2

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
			into a summarized report			
Sprint 4	Final Presentation	USN-8	As a user, I can view the complete Tableau story for presentation to stakeholders	2	Medium	Member 2

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	3 Days	17 2025	19 2025	5	19 June 2025
Sprint-2	6	3 Days	20 2025	22 2025	6	22 June 2025
Sprint-3	7	3 Days	23 2025	24 2025	6	24 June 2025
Sprint-4	4	3 Days	25 2025	26 2025	6	26 June 2025

Velocity:
Imagine we have a 10-day sprint duration, and the velocity of the team is 23 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

AV = Sprint Duration / Velocity

☐ Total Story Points Completed = 5 + 6 + 6 + 6 = 23 points

☐ Total Sprint Days = 3 + 3 + 2 + 2 = 10 days
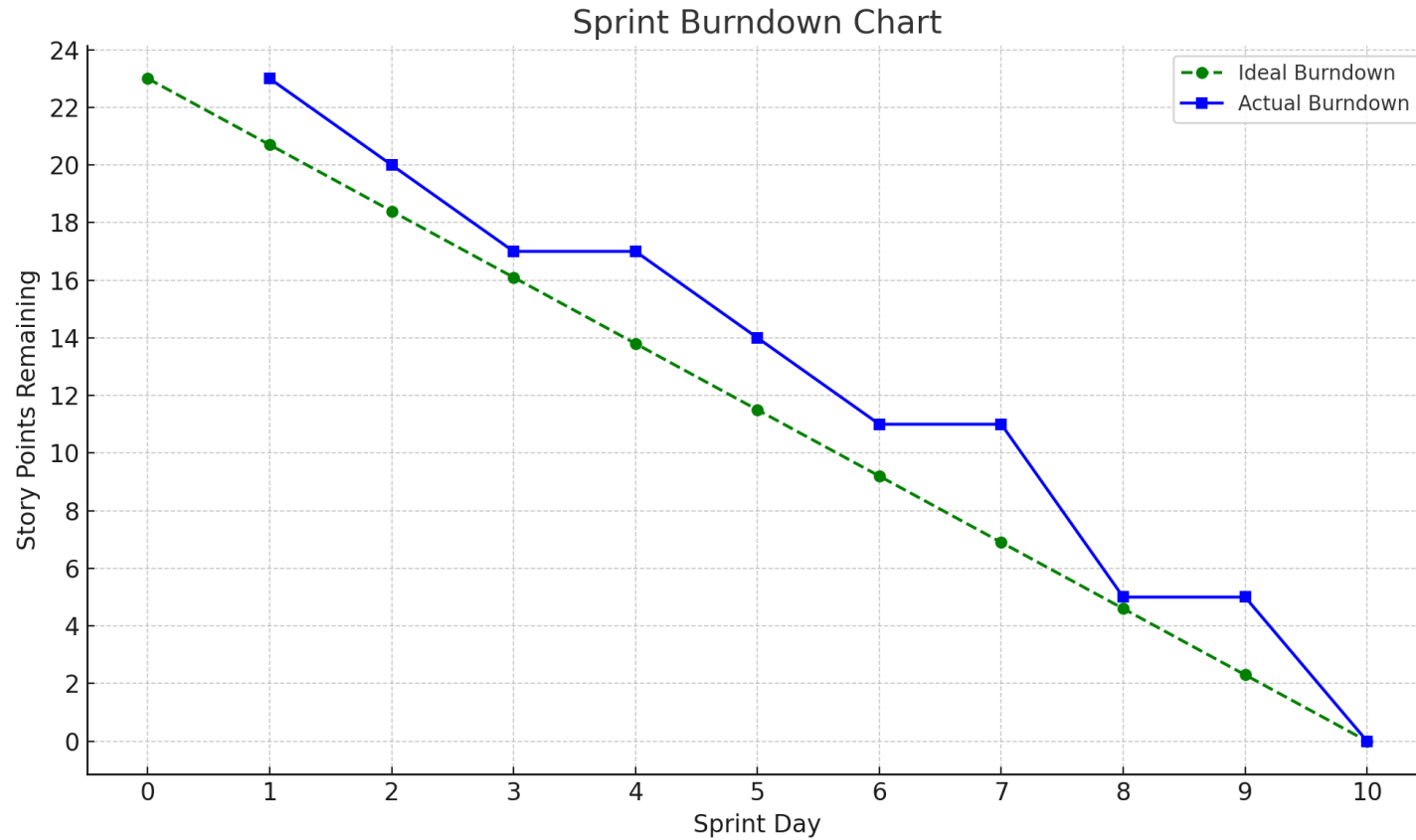
Velocity = 23 story points / 10 days

= 2.3 story points/day

☐ Final Answer:

Team Velocity = 2.3 story points per day

Burn down 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

Here's the **Burn down Chart** for your project:

- **Green dashed line**: Ideal progress assuming steady velocity of 2.3 story points/day.
- **Blue line**: Actual progress based on your sprint completions.

The chart shows that our team maintained a consistent pace and slightly outperformed the ideal velocity near the end.