

## Project Planning Phase

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

Date	17 February 2026
Team ID	LTVIP2026TMIDS75097
Project Name	Strategic Product Placement Analysis: Unveiling Sales Impact with Tableau Visualization
Maximum Marks	8 Marks

### Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Data Preparation	USN-1	Collect supermarket sales dataset for analysis	3	High	4
Sprint-1	Data Cleaning	USN-2	Clean and preprocess dataset	3	High	4
Sprint -1	Data Structuring	USN-3	Prepare data for Tableau analysis	2	High	4
Sprint-2	Visualization	USN-4	Create required charts (Donut, Area, Funnel, etc.)	3	High	4
Sprint-2	KPI Metrics	USN-5	Design key performance indicators	2	High	4
Sprint-2	Filters	USN-6	Add interactive filters to dashboard	2	Medium	4
Sprint-3	Dashboard	USN-7	Develop interactive Tableau dashboard	3	High	4
Sprint-3	Story	USN-8	Create Tableau story presentation	2	High	4
Sprint-4	Web Integration	USN-9	Embed dashboard in HTML interface	3	High	4
Sprint-4	Testing	USN-10	Test dashboard accuracy and responsiveness	2	High	4
Sprint-4	Documentation	USN-11	Prepare final documentation	2	Medium	4

### **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	8	3 Days	06 Feb 2026	08 Feb 2026	8	08 Feb 2026
Sprint-2	7	3 Days	09 Feb 2026	11 Feb 2026	7	11 Feb 2026
Sprint-3	5	3 Days	12 Feb 2026	14 Feb 2026	5	14 Feb 2026
Sprint-4	7	2 Days	15 Feb 2026	16 Feb 2026	7	16 Feb 2026

#### **Velocity:**

The total number of story points completed in the project is 27.

The total working duration of the project was 11 days (from 06 February 2026 to 16 February 2026).

Average Team Velocity is calculated as:

$$\text{Velocity} = \text{Total Story Points} / \text{Total Working Days}$$

$$\text{Velocity} = 27 / 11$$

$$\text{Velocity} = 2.45 \text{ story points per day}$$

This indicates that the team completed approximately 2 to 3 story points per day consistently across the sprints.

### **Burndown Chart:**

A burndown chart represents the remaining work (story points) versus time. It helps track project progress and ensures that the team is completing tasks as planned.

In this project, the total story points were 27 at the beginning. As each sprint was completed, the remaining story points gradually reduced to zero by 16 February 2026. The steady decrease in remaining work across four sprints indicates effective sprint planning and successful project execution.

The burndown trend shows that all planned story points were completed within the assigned timeline, demonstrating proper time management and team coordination.