Project Planning Phase

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

Date	31 January 2026
Team ID	LTVIP2026TMIDS28498
Project Name	Strategic Product Placement Analysis: Unveiling Sales Impact with Tableau Visualization
Maximum Marks	8 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	USN-2	As a user, I can load data into the processing environment	1	High	All
Sprint-2	Data Preprocessing	USN-3	As a user, I can handle missing values in the dataset	3	Medium	Pobbu Ratnakar
Sprint-2	Data Preprocessing	USN-4	As a user, I can encode or map categorical variables appropriately	2	Medium	Pobbu Ratnakar
Sprint-3	Making Graphs / Visualizations	USN-5	As a user, I can build the initial model based on processed data	5	High	Yarragorla Venkata Ramanjaneyulu, Sura Sathvik Reddy
Sprint-4	Dashboard & Stories	USN-6	Dark UI with eye-feasted color palette	6	High	Potluri Pujitha
Sprint-5	Report & Documentation	USN-7	The step-by-step guide documentation	7	Medium	All

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	**20**	**1 Day**	28 January 2026	28 January 2026	**20**	28 January 2026
Sprint-2	**20**	**1 Day**	29 January 2026	29 January 2026	**20**	29 January 2026
Sprint-3	**20**	**1 Day**	30 January 2026	30 January 2026	**20**	30 January 2026
Sprint-4	**20**	**1 Day**	31 January 2026	31 January 2026	**20**	31 January 2026
Sprint-5	**20**	**1 Day**	01 February 2026	01 February 2026	**20**	01 February 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.