Project Planning Phase

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

Date	12 Feb 2026
Team ID	LTVIP2026TMIDS75520
Project Name	Visualization Housing Market Trends
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 Preparation	VHMTAT-1	As a user, I want the housing dataset to be cleaned and prepared for analysis.	2	High	Parimala
Sprint-1	KPI Dashboard	VHMTAT-2	As a user, I want to view KPI overview (total houses, average sale price).	1	High	Gowthami
Sprint-2	Renovation Analysis	VHMTAT-3	As a user, I want to analyze the impact of renovation on house sale prices.	2	High	Gowthami
Sprint-2	House Age Analysis	VHMTAT-4	As a user, I want to view house age distribution by renovation status.	2	Medium	Parimala
Sprint-3	Feature Analysis	VHMTAT-5	As a user, I want to compare bedrooms, bathrooms, and floors across house age groups.	1	Medium	Gowthami
Sprint-3	Dashboard Integration	VHMTAT-6	As a user, I want all scenarios combined into a single interactive dashboard.	2	High	Gowthami

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Website Integration	VHMTAT-7	As a user, I want to view the dashboard through a web application.	2	High	Parimala
Sprint-4	Documentation & Testing	VHMTAT-8	As a reviewer, I want clear documentation and a tested dashboard.	1	Medium	Parimala

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	Days	01 Feb 2026	03 Feb 2026	20	03 Feb 2026
Sprint-2	20	3 Days	05 Feb 2026	08 Feb 2026	20	08 Feb 2026
Sprint-3	20	3 Days	09 Feb 2026	12 Feb 2026	20	12 Feb 2026
Sprint-4	20	3 Days	13 Feb 2026	15 Feb 2026	20	15 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.