

## Project Planning Phase

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

Date	24 June 2025
Team ID	LTVIP2025TMID47573
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	USN-1.1	Collection of Data	2	High	Satya
		USN-1.2	Loading Data	1	High	karthik
Sprint-1	Data Preprocessing	USN-1.3	Handling Missing Values	3	High	Veeradevi
		USN-1.4	Handling Categorical values	2	High	Manikanta
Sprint-2	Model Building	USN-2.1	Model Building	5	High	Satya
		USN-2.2	Testing Model	3	High	Karthik
Sprint-2	Deployment	USN-2.3	Working HTML Pages.	3	High	Manikanta
		USN-2.4	Flask deployment	5	High	veeradevi

### 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	5 Days	19 May 2025	23 May 2025	8	23 May 2025
Sprint-2	16	5 Days	26 May 2025	30 May 2025	16	30 May 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)

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

#### 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.