Project Planning Phase

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

Date	18 June 2025
Team ID	LTVIP2025TMID47570
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 Preparation	USN-1	As an analyst, I want to clean and inspect the dataset for nulls or anomalies.	2	High	A1
Sprint-1	Data Preparation	USN-2	As an analyst, I want to rename columns for easy access and remove index column.	1	Medium	A2
Sprint-2	Trend Analysis	USN-3	As a user, I want to see a line chart showing yearly changes in total manufacturers.	3	High	A1
Sprint-2	State-Level Comparison	USN-4	As a user, I want a bar chart showing top 10 states by average manufacturers.	3	High	A2
Sprint-3	Interactive Dashboard	USN-5	As a user, I want to filter manufacturer data by year and state interactively.	4	High	A3
Sprint-3	Visual Summary	USN-6	As a user, I want to view a heatmap showing state-wise	3	Medium	A1

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
			performance over years.			
Sprint-4	Insights and Story	USN-7	As a presenter, I want a slide-based story showing key findings and conclusions.	4	High	A2
Sprint-4	Project Delivery & Documentation	USN-8	As a team, we want to prepare a final report with visualizations and insights.	4	High	A3

Project Tracker, Velocity & Burndown Chart: (4 Marks)

Sprint	Total Story Points	Duration	Start Date	End Date	Points Completed	Release Date
Sprint-1	3	6 Days	10 Jul 2025	15 Jul 2025	3	15 Jul 2025
Sprint-2	6	6 Days	16 Jul 2025	21 Jul 2025	6	21 Jul 2025
Sprint-3	7	6 Days	22 Jul 2025	27 Jul 2025	7	27 Jul 2025
Sprint-4	8	6 Days	28 Jul 2025	2 Aug 2025	8	2 Aug 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)

Velocity = Total Story Points Completed / Number of Sprints
= (3 + 6 + 7 + 8) / 4
= **6.0 story points per sprint**