Project Planning Phase

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

Date	15 February 2025
Team ID	PNT2025TMID03008
Project Name	Global food production trends and analysis a comprehensive study from 1961 to 2023 using power BI

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	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	1
Sprint-2	Login	USN-2	As a user, I can log into the application by entering email & password	1	High	1
Sprint-3	Dashboard	USN-3	We created clustered flow diagram	2	Low	3
Sprint-4	Dashboard	USN-4	Next we created stacked area chart and ribbon chart	2	Medium	3
Sprint-5	Dashboard	USN-5	At end we create 2 cards and 1 gauge.	1	High	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	20	10 Days	18 Jan 2025	28 Jan 2025	20	28 Jan 2025
Sprint-2	20	10 Days	29 Jan 2025	07 Feb 2025	20	07 Feb 2025
Sprint-3	20	10 Days	08 Feb 2025	18 Feb 2025	19	18 Feb 2025
Sprint-4	20	10 Days	19 Nov 2025	1 March 2025	20	1 March 2025
Sprint-5	20	10 Days	2 March 2025	12 March 2025	19	12 March 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)

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