Project Planning Phase

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

Date	15 February 2025
Team ID	PNT2025TMID02578
Project Name	Global Food Production Trends and Analysis
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	As a user, I can connect Power BI to external data sources (FAO, World Bank, CSV files).	2	High	Saee patil
Sprint-1	Data Cleaning	USN-2	As a user, I can clean and transform raw data for better analysis.	2	High	Nikita poundkar
Sprint-2	Data Visualization	USN-3	As a user, I can create interactive dashboards	3	High	Trupti patil

			with graphs and charts to analyze food production trends.			
Sprint-2	Filtering & Sorting	USN-4	As a user, I can filter and sort data dynamically within Power BI reports.	2	Medium	Saee patil
Sprint-3	Report Generation	USN-5	As a user, I can export reports in different formats (PDF, Excel) from Power BI.	2	Medium	Sakshi khot
Sprint-3	Dashboard Enhancement	USN-6	As a user, I can apply advanced analytics features like forecasting in Power BI.	3	Low	Trupti & nikita

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	21 Feb 2025	2 March 2025	21	02 March 2025
Sprint-2	20	10 days	03 march 2025	12 March 2025	21	12 March 2025
Sprint-3	13	2 Days	13 march 2025	14 march 2025	13	14 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)

Total story points completed :58

Total number of sprints =3

Velocity -total story points completed/number pf sprints

Velocity=58/3~19.33