<h1 style="text-align:center">Project Planning Phase</h1>

<h2 style="text-align:center">Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)</h2>

Date	1 March 2025
Team ID	PNT2025TMID00740
Project Name	Global Food Production and Trend Analysis
Maximum Marks	5

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Data Collection	USN-1	Identify and gather data sources for food production.	5	High	Tarun Prajapat
	Data Preparation	USN-2	Clean and preprocess collected data for analysis.	8	High	Sahil Daware
	Dashboard Design	USN-3	Create wireframes for Power BI dashboard layout.	3		Shivam Rawat
		USN-4	Define key metrics and visualizations for the dashboard.	5	High	Shagun
Sprint-2	Data Modeling	USN-5	Build data models in Power BI to connect data sources.	8	High	Sahil Daware Shagun
	Visualization Development	USN-6	Create interactive visualizations for key metrics.	8	High	Tarun Prajapat Shivam Rawat
	Testing	USN-7	Conduct testing of dashboard functionality and accuracy.	5	Medium	Tarun Prajapat

	Feedback Collection	USN-8	Gather feedback from stakeholders on initial dashboard.	3	Medium	Shivam Rawat
Sprint-3	Training and Documentation	USN-9	Develop training materials for stakeholders.	5	High	Sahil Daware
		USN-10	Conduct training sessions for users on Power BI dashboard.	5	High	Shagun
	Launch	USN-11	Officially launch the Power BI dashboard.	3	High	Shagun Sahil Daware Shivam Rawat Tarun Prajapat
	Evaluation	USN-12	Evaluate dashboard effectiveness and gather further feedback.	5	Medium	Shagun Sahil Daware Shivam Rawat Tarun Prajapat

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	21	10 Days	21 Feb 2025	02 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:

Total Story Points Completed: 58

Total Number of Sprints = 3
Velocity = Total Story Points Completed / Number of Sprints
Velocity = 58 / 3 ≈ 19.33

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.

Sprint	Day	Total Story Points	Story Points completed	Remaining Story Points
1	1	58	0	58
	2	58	0	58
	3	58	0	58
	4	58	0	58
	5	58	0	58
	6	58	0	58
	7	58	0	58
	8	58	0	58
	9	58	0	58
	10	58	21	37
2	1	58	21	37
	2	58	21	37
	3	58	21	37
	4	58	21	37
	5	58	21	37
	6	58	21	37
	7	58	21	37
	8	58	21	37
	9	58	21	37

	10	58	45	13
3	1	58	45	13
	2	58	58	0