

Project Planning Phase

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

Date	12 March 2025
Team ID	PNT2025TMID02813
Project Name	Global Food Production Trend and Analysis a comprehensive study from 1961 to 2023 using power BI
Maximum Marks	4

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	Dnyaneshwari Chavan
	Data Preparation	USN-2	Clean and preprocess collected data for analysis.	8	High	Susmita Patil
	Dashboard Design	USN-3	Create wireframes for Power BI dashboard layout.	3		Neha Patil
		USN-4	Define key metrics and visualizations for the dashboard.	5	High	Arya Kajave Susmita Patil
Sprint-2	Data Modeling	USN-5	Build data models in Power BI to connect data sources.	8	High	Neha Patil
	Visualization Development	USN-6	Create interactive visualizations for key metrics.	8	High	Dnyaneshwari Chavan Neha Patil
	Testing	USN-7	Conduct testing of dashboard functionality and accuracy.	5	Medium	Dnyaneshwari Chavan

	Feedback Collection	USN-8	Gather feedback from stakeholders on initial dashboard.	3	Medium	Neha Patil
Sprint-3	Training and Documentation	USN-9	Develop training materials for stakeholders.	5	High	Susmita Patil
		USN-10	Conduct training sessions for users on Power BI dashboard.	5	High	Arya Kajave
	Launch	USN-11	Officially launch the Power BI dashboard.	3	High	Dnyaneshwari Chavan Susmita Patil Neha Patil Arya Kajave
	Evaluation	USN-12	Evaluate dashboard effectiveness and gather further feedback.	5	Medium	Dnyaneshwari Chavan Susmita Patil Neha Patil Arya Kajave

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	01 March 2025
Sprint-2	20	10 Days	02 March 2025	12 March 2025	21	11 March 2025
Sprint-3	17	2 Days	12 March 2025	13 March 2025	13	13 March 2025

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Velocity:

Total Story Points Completed: 58

Total Number of Sprints = 3

Velocity = Total Story Points Completed / Number of Sprints

Velocity = $58 / 3 \approx 19.33$

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

