Project Planning Phase

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

Date	26 March 2025
Team ID	PNT2025TMID06994
Project Name	Global Food Production Trends and Analysis: A Comprehensive Study from 1961 to 2023 Using Power BI
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 & Preprocessing	USN-1	Collect food production datasets from 1961-2023	2	High	Aguan
Sprint-1	Data Collection & Preprocessing	USN-2	Clean and handle missing data values	3	High	Aguan
Sprint-1	Data Collection & Preprocessing	USN-3	Standardize categorical values for analysis	2	Medium	Reshma
Sprint-2	Data Modelling & Visualization	USN-4	Develop predictive models for food production trends	5	High	Avinash
Sprint-2	Data Modelling & Visualization	USN-5	Create Power BI dashboards for data visualization	4	High	Avinash
Sprint-2	Data Modelling & Visualization	USN-6	Test and validate predictive models	3	Medium	Avinash
Sprint-3	Insights & Deployment	USN-7	Develop insights and recommendations for policymakers	5	High	Kalyan
Sprint-3	Insights & Deployment	USN-8	Deploy interactive dashboards for stakeholders	5	High	Kalyan
Sprint-3	Insights & Deployment	USN-9	Conduct review and refine insights based on feedback	3	Medium	Kalyan

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	7	3 Days	18 March 2025	20 March 2025	7	29 Oct 2022
Sprint-2	12	3 Days	20 March 2025	23 March 2025	12	
Sprint-3	13	3 Days	23 March 2025	26 March 2025	13	

Velocity Calculation

Total Story Points = 7 + 12 + 13 = **32**

Number of Sprints = **3**

Velocity = **32 / 3 = 10.67**

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.