

Project Planning Phase

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

Date	15 February 2025
Team ID	PNT2025TMID02764
Project Name	Power BI Inflation Analysis: Journeying Through Global Economic Terrain
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 & Cleaning	USN-1	As a data analyst, I want to load and clean the dataset so that it is ready for analysis.	3	High	Sprint-1
Sprint-1		USN-2	As a data analyst, I want to remove missing or inconsistent values from the dataset.	2	High	Sprint-1
Sprint-2	Data Transformation	USN-3	As a data analyst, I want to normalize country names for consistency.	2	Medium	Sprint-2
Sprint-2		USN-4	As a data analyst, I want to merge multiple datasets for easier analysis.	3	High	Sprint-2
Sprint-3	Data Visualization	USN-5	As a Power BI user, I want to create a dashboard displaying malnutrition trends per country.	5	High	Sprint-1
Sprint-3		USN-6	As a Power BI user, I want to visualize malnutrition trends over time (1983-2019).	4	High	Sprint-2

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	5	7 Days	11 Feb 2025	17 Feb 2025	5	17 Feb 2025
Sprint-2	5	7 Days	18 Feb 2025	24 Feb 2025	5	24 Feb 2025
Sprint-3	9	7 Days	25 Feb 2025	2 Mar 2025	7	2 Mar 2025
Sprint-4	7	7 Days	5 Mar 2025	11 Mar 2025	7	11 Mar 2025
Sprint-1	5	7 Days	11 Feb 2025	17 Feb 2025	5	17 Feb 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)

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

Velocity Calculation

- **Total Story Points: 29**
- **Number of Sprints: 2**
- **Velocity: 14 Story Points per Sprint**