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

Date	15 February 2025
Team ID	PNT2025TMID02554
Project Name	Global Malnutrition Trends: A Power BI Analysis (1983-2019)
Maximum Marks	5 Marks

Product Backlog, Sprint Schedule, and Estimation

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		USN-2	As a data analyst, I want to remove missing or inconsistent values from the dataset.	2	High	
Sprint-2	Data Transformation	USN-3	As a data analyst, I want to normalize country names for consistency.	2	Medium	
Sprint-2		USN-4	As a data analyst, I want to merge multiple datasets for easier analysis.	3	High	
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-3		USN-6	As a Power BI user, I want to visualize malnutrition trends over time (1983-2019).	4	High	
Sprint-4	Insights & Reporting	USN-7	As a researcher, I want to analyse the correlation between malnutrition and income classification.	4	Medium	

Sprint-4		USN-8	As a researcher, I want to generate a final report summarizing key findings.	3	High	

Project Tracker, Velocity & Burndown Chart:

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

Velocity:

- **Sprint Duration = 7 days**
- **Total Story Points Completed = (5 + 5 + 7 + 7) = 24**
- **Total Sprints = 4**

Average Velocity per Iteration Unit:

AV= Total Story Points / Sprint Duration

AV=24 / (7+7+7+7)

AV=24 / 28 = 0.86 Story Points per day.

Burndown Chart:

The Burndown Chart below visualizes the remaining story points across sprints:

Burndown Chart for Global Malnutrition Trends Project