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

| Date | 15 February 2025 |
|---|---|
| Team ID | PNT2025TMID04759 |
| 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 |
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**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 |
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**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)

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

**Velocity Calculation**

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