**Project Planning Phase**

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

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| --- | --- |
| 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 |
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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)



**Velocity Calculation**

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