**Initial Project Planning Template**

|  |  |
| --- | --- |
| Date | 01 October 2025 |
| Team ID | SWUID20250215169 |
| Project Name | Global Food Production Trends and Analysis:  A Comprehensive Study from 1961 to 2023 Using Power BI |
| Maximum Marks | 4 Marks |

**Product Backlog, Sprint Schedule, and Estimation (4 Marks)**

Use the below template to create a product backlog and sprint schedule

| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** | **Sprint Start Date** | **Sprint End Date (Planned)** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sprint-1 | Data Collection & Understanding | USN-1 | As a user, I want to collect and understand raw food production data from FAO (1961–2023) so that I can prepare it for analysis.. | 2 | High | Sankeerth | 01-Oct-2025 | 02-Oct-2025 |
| Sprint-1 | Data Preprocessing & Cleaning | USN-2 | As a user, I want to clean and preprocess the dataset by removing duplicates, handling missing values, and standardizing units to ensure accuracy. | 2 | High | Sankeerth | 01-Oct-2025 | 02-Oct-2025 |
| Sprint-2 | Data Modeling & Measures Creation | USN-3 | As a user, I want to create DAX measures for KPIs like Total Production, YoY Growth, and Crop Share to support advanced analysis. | 3 | High | Sankeerth | 03-Oct-2025 | 04-Oct-2025 |
| Sprint-2 | Dashboard Design | USN-4 | As a user, I want to design an interactive dashboard showing food production by crop, region, and year for dynamic exploration. | 3 | High | Sankeerth | 03-Oct-2025 | 04-Oct-2025 |
| Sprint-3 | Report Story Building | USN-5 | As a user, I want to build a static report that narrates key insights and trends from the data for presentation purposes. | 2 | Medium | Sankeerth | 05-Oct-2025 | 06-Oct-2025 |
| Sprint-3 | Performance Testing & Optimization | USN-6 | As a user, I want to test slicers, filters, and measure responsiveness to ensure smooth dashboard performance. | 2 | Medium | Sankeerth | 05-Oct-2025 | 06-Oct-2025 |