

Initial Project Planning Template

| | |
|---------------|---|
| Date | 16 Sept 2025 |
| Team ID | SWUID20250185946 |
| Project Name | Global Food Production Trends and Analysis: |
| Maximum Marks | 4 Marks |

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

| 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& Preparation | USN-1 | Enable the import of global food production data into Power BI for advanced analytics and visualization. | 3 | High | | 18 Sept 2025 | 20 Sept 2025 |
| Sprint-1 | | USN-2 | Enable data preprocessing capabilities such as null removal, whitespace trimming, and data type correction to improve analytical accuracy | 2 | High | | 21 Sept 2025 | 22 Sept 2025 |
| Sprint-2 | Data Modeling | USN-3 | As a user, I want to establish relationships between tables—such as year, crop type, and region—to enable the creation of meaningful reports. | 3 | High | | 21 Sept 2025 | 22 Sept 2025 |
| Sprint-2 | | USN-4 | Enable the creation of calculated fields like yield (production/area) to support advanced data analysis | 2 | Medium | | 22 Sept 2025 | 23 Sept 2025 |

| Sprint | Functional Requirement (Epic) | User Story Number | User Story / Task | Story Points | Priority | Team Members | Sprint Start Date | Sprint End Date (Planned) |
|---------------|--------------------------------------|--------------------------|---|---------------------|-----------------|---------------------|--------------------------|----------------------------------|
| Sprint-3 | Visualization & Dashboard | USN-5 | Enable the creation of line, bar, and card visuals to effectively track and interpret production, yield, and harvested area trends. | 3 | High | | 24 Sept 2025 | 28 Sept 2025 |
| Sprint-3 | | USN-6 | Enable dynamic filtering by crop, country, and year to support granular data exploration and targeted analysis. | 2 | High | | 29 Sept 2025 | 03 Oct 2025 |
| Sprint-4 | Reporting & Insights | USN-7 | I intend to create a summary report that outlines key problem statements, actionable insights, and emerging trends to facilitate strategic decision-making. | 2 | High | | 04 Oct 2025 | 6 Oct 2025 |
| Sprint-4 | | USN-8 | I want to export and share the Power BI dashboard to ensure stakeholders can easily access and interpret the insights. | 2 | Medium | | 06 Oct 2025 | 08 Oct 2025 |