

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