Initial Project Planning Template

Date	15 September 2025
Team ID	SWUID20250172428
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)

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	As a user, I want to import global food production datasets into Power BI so that I can analyze them.	3	High	-	10-Sep-2025	15-Sep-2025
Sprint-1		USN-2	As a user, I want to clean and format data (remove nulls, trim spaces, set correct data types) so that I get accurate results.	2	High	-	15-Sep-2025	20-Sep-2025
Sprint-2	Data Modeling	USN-3	As a user, I want to create relationships between different tables (year, crop type, region) so that I can build meaningful reports.	3	High	-	21-Sep-2025	26-Sep-2025
Sprint-2		USN-4	As a user, I want to create calculated columns and measures (yield = production/area) for deeper insights.	2	Medium	-	21-Sep-2025	26-Sep-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	As a user, I want to build charts (line, bar, card visuals) for production, yield, and harvested area trends so that I can compare across years.	3	High	-	27-Sep-2025	02-Oct-2025
Sprint-3		USN-6	As a user, I want to apply filters (by crop, country, year) so that I can drill down into specific insights.	2	High	-	27-Sep-2025	02-Oct-2025
Sprint-4	Reporting & Insights	USN-7	As a user, I want to generate a summary report (problem statements, insights, trends) to support decision-making.	2	High	-	03-Oct-2025	05-Oct-2025
Sprint-4		USN-8	As a user, I want to export/share the Power BI dashboard so that stakeholders can access the insights easily.	1	Medium	-	03-Oct-2025	05-Oct-2025