

2.2. Initial Project Planning

Date	02 Oct 2025
Team ID	xxxxxx
Project Name	Analysis and Visualization of Global Food Production Data (1961–2023)
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 & Cleaning	USN-1	As a data analyst, I want to collect global food production data (1961–2023) from provided sources.	2	High		02 oct 2025	03 oct 2025
Sprint-1	Data Collection & Cleaning	USN-2	As a data analyst, I want to clean and preprocess the dataset to handle missing values & ensure consistency.	3	High		02 oct 2025	03 oct 2025
Sprint-2	Data Exploration	USN-3	As a user, I want to explore the dataset to understand yearly and regional production trends	2	Low		03 oct 2025	04 oct 2025
Sprint-2	Data Exploration	USN-4	As a data analyst, I want to create summary statistics and identify key crops and fruits.	2	Medium		03 oct 2025	04 oct 2025
Sprint-3	Dashboard	USN-5	As a user, I want to see interactive visualizations of rice,	3	High		04 oct 2025	05 oct 2025

<b>Sprint</b>	<b>Functional Requirement (Epic)</b>	<b>User Story Number</b>	<b>User Story / Task</b>	<b>Story Points</b>	<b>Priority</b>	<b>Team Members</b>	<b>Sprint Start Date</b>	<b>Sprint End Date (Planned)</b>
	Development		wheat, maize, and tea production trends.					
Sprint-3	Dashboard Development	USN-6	As a user, I want to compare fruit production (grapes, apples, bananas, oranges) across regions.	2	Medium		04 oct 2025	05 oct 2025
Sprint-4	Insights & Storytelling	USN-7	As a policymaker, I want clear insights (top producers, growth trends) so I can make decisions	2	High		06 oct 2025	07 oct 2025
Sprint-4	Insights & Storytelling	USN-8	As a team, we will prepare the final report, PPT, and demo submission	2	High		06 oct 2025	07 oct 2025