Initial Project Planning Template

Date	24 JUNE 2025
Team ID	44
Project Name	Global Food Production Trends and Analysis
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	GFPTA-1	Collect Relevant Data	2	High	Sneha Kumari	15 June 2025	17 June 2025
Sprint-1	Data Collection	GFPTA-2	Load the Data	1	High	Sneha Kumari	15 June 2025	17 June 2025
Sprint-2	Data Preprocessing	GFPTA-3	Handle Missing Values	2	Medium	Sneha Kumari	17 June 2025	19 June 2025
Sprint-2	Data Preprocessing	GFPTA-4	Spitting/Merging Fields	2	Medium	Sneha Kumari	17 June 2025	19 June 2025
Sprint-3	Data Analysis	GFPTA-5	Perform Descriptive Statistics	2	High	Sneha Kumari	19 June 2025	21 June 2025
Sprint-3	Data Analysis	GFPTA-6	Analyze Trends Over Time	3	High	Sneha Kumari	19 June 2025	21 June 2025
Sprint-3	Data Analysis	GFPTA-7	Compare Regional Food Production	4	High	Sneha Kumari	19 June 2025	21 June 2025
Sprint-4	Data Visualization	GFPTA-8	Create Line Graphs	2	Medium	Sneha Kumari	21 June 2025	23 June 2025
Sprint-4	Data Visualization	GFPTA-9	Build Bar Charts	2	Medium	Sneha Kumari	21 June 2025	23 June 2025
Sprint-4	Data Visualization	GFPTA-10	Develop Interactive Dashboards	3	High	Sneha Kumari	21 June 2025	23 June 2025

Sprint-4	Data Analysis	GFPTA-8	Perform descriptive statistics on key production fields	2	High	Sneha Kumari	21 June 2025	23 June 2025
Sprint-4	Data Analysis	GFPTA-9	Analyze trends over time using line charts	2	Medium	Sneha Kumari	21 June 2025	23 June 2025
Sprint-4	Data Analysis	GFPTA-10	Compare regional food trends using bar/column charts	2	Medium	Sneha Kumari	21 June 2025	23 June 2025
Sprint-5	Data Visualization	GFPTA-11	Create interactive visualizations to explore data	3	High	Sneha Kumari	24 June 2025	26 June 2025
Sprint-5	Data Visualization	GFPTA-12	Develop bar/line/pie charts to show patterns	2	Medium	Sneha Kumari	24 June 2025	26 June 2025
Sprint-5	Data Visualization	GFPTA-13	Interact with filters to customize chart views	2	Medium	Sneha Kumari	24 June 2025	26 June 2025
Sprint-6	Model Building	GFPTA-14	Select features for prediction from cleaned dataset	2	High	Sneha Kumari	27 June 2025	29 June 2025
Sprint-6	Model Building	GFPTA-15	Train predictive models on selected features	3	High	Sneha Kumari	27 June 2025	29 June 2025
Sprint-6	Model Building	GFPTA-16	Evaluate the performance of prediction models	2	High	Sneha Kumari	27 June 2025	29 June 2025