

## Initial Project Planning Template

Date	8 December 2025
Team ID	xxxxxx
Project Name	Power BI Inflation Analysis: Journeying Through Global Economic Terrain
Maximum Marks	4 Marks

### Product Backlog, Sprint Schedule, and Estimation

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	USN-1	As a user, I search for suitable inflation datasets and download the required dataset from the source.	2	High	Aishwarya Bharathy Babu	08-Dec-2025	12-Dec-2025
Sprint-1	Working on Templates	USN-2	As a user, I fill in the templates for the Project Initialization & Planning Phase, including Defining the Problem Statements and Project Proposal.	3	High	Aishwarya Bharathy Babu	08-Dec-2025	12-Dec-2025
Sprint-1	Working on Templates	USN-3	As a user, I complete the templates for Raw Data Sources Identification Report, and Data Quality Report.	3	High	Aishwarya Bharathy Babu	08-Dec-2025	12-Dec-2025
Sprint-1	Data Preprocessing	USN-4	As a user , I explore the Global Inflation dataset to understand its structure and identify data quality	1	High	Aishwarya Bharathy Babu	08-Dec-2025	12-Dec-2025

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members	Sprint Start Date	Sprint End Date (Planned)
			issues so that pre processing requirements can be defined.					
Sprint-1	Data Preprocessing	USN-5	As a user, I remove unnecessary columns (such as Indicator) so that the dataset remains focused on inflation analysis.	1	High	Aishwarya Bharathy Babu	08-Dec-2025	12-Dec-2025
Sprint-1	Data Preprocessing	USN-6	As a user, I clean and standardize country names so that grouping and filtering work correctly in visualizations.	2	High	Aishwarya Bharathy Babu	08-Dec-2025	12-Dec-2025
Sprint-1	Data Preprocessing	USN-7	As a user, I remove blank rows and error records so that invalid data does not affect analysis results.	1	Medium	Aishwarya Bharathy Babu	08-Dec-2025	12-Dec-2025
Sprint-1	Data Preprocessing	USN-8	As a user, correct data types for Year and Inflation Rate so that aggregations and sorting behave correctly.	2	High	Aishwarya Bharathy Babu	08-Dec-2025	12-Dec-2025
Sprint-1	Data Preprocessing	USN-9	As a user, I unpivot year columns into a long format so that time-series and trend analysis can be performed.	3	High	Aishwarya Bharathy Babu	08-Dec-2025	12-Dec-2025
Sprint-1	Data Preprocessing	USN-10	As a user, I identify missing inflation values so that data completeness can be assessed and communicated.	2	Medium	Aishwarya Bharathy Babu	08-Dec-2025	12-Dec-2025

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 Preprocessing	USN-11	As a user, I create inflation categories (Low, Moderate, High, Very High) so that categorical analysis can be visualized.	2	High	Aishwarya Bharathy Babu	08-Dec-2025	12-Dec-2025
Sprint-1	Data Preprocessing	USN-12	As a user, I create country-wise summary tables (Average, Minimum, Maximum inflation) so that comparative insights can be derived.	3	High	Aishwarya Bharathy Babu	08-Dec-2025	12-Dec-2025
Sprint-1	Data Preprocessing	USN-13	As a user, I apply and save all pre processing steps so that the cleaned dataset is ready for dashboard creation.	1	High	Aishwarya Bharathy Babu	08-Dec-2025	12-Dec-2025
Sprint- 2	Data Visualization	USN-14	As a user, I create a KPI card to display the average inflation rate so that I can get a quick global overview.	1	High	Aishwarya Bharathy Babu	13-Dec-2025	17-Dec-2025
Sprint- 2	Data Visualization	USN-15	As a user, I create a bar chart showing countries with the highest inflation rates so that I can compare country-wise inflation levels.	2	High	Aishwarya Bharathy Babu	13-Dec-2025	17-Dec-2025
Sprint- 2	Data Visualization	USN-16	As a user, I create a line chart to visualize the global inflation trend over years so that I can identify patterns and spikes.	2	High	Aishwarya Bharathy Babu	13-Dec-2025	17-Dec-2025

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members	Sprint Start Date	Sprint End Date (Planned)
Sprint- 2	Data Visualization	USN-17	As a user, I create a country-level inflation trend line chart so that I can analyze inflation changes for a selected country.	2	Medium	Aishwarya Bharathy Babu	13-Dec-2025	17-Dec-2025
Sprint- 2	Data Visualization	USN-18	As a user, I create a donut chart showing inflation category distribution so that inflation severity can be summarized visually.	1	Medium	Aishwarya Bharathy Babu	13-Dec-2025	17-Dec-2025
Sprint- 2	Data Visualization	USN-19	As a user, I create a histogram-style column chart to understand the distribution of inflation rates.	2	Medium	Aishwarya Bharathy Babu	13-Dec-2025	17-Dec-2025
Sprint- 2	Data Visualization	USN-20	As a user, I create a bar chart showing average inflation by country so that long-term inflation levels can be compared.	2	Medium	Aishwarya Bharathy Babu	13-Dec-2025	17-Dec-2025
Sprint- 2	Data Visualization	USN-21	As a user, I create a table showing minimum and maximum inflation rates by country so that inflation variability can be analyzed.	1	Medium	Aishwarya Bharathy Babu	13-Dec-2025	17-Dec-2025
Sprint- 2	Dashboard Building	USN-22	As a user, I add Year and Country slicers so that all visuals can be filtered dynamically.	1	High	Aishwarya Bharathy Babu	13-Dec-2025	17-Dec-2025
Sprint- 2	Dashboard Building	USN-23	As a user, I arrange visuals logically on the dashboard so that insights are easy to interpret.	2	High	Aishwarya Bharathy Babu	13-Dec-2025	17-Dec-2025

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members	Sprint Start Date	Sprint End Date (Planned)
Sprint- 2	Dashboard Building	USN-24	As a user, I apply consistent formatting, titles, and themes so that the dashboard looks professional.	2	Medium	Aishwarya Bharathy Babu	13-Dec-2025	17-Dec-2025
Sprint- 2	Dashboard Building	USN-25	As a user, I validate interactivity between slicers and visuals so that the dashboard responds correctly.	1	High	Aishwarya Bharathy Babu	13-Dec-2025	17-Dec-2025
Sprint-2	Data Visualization Template	USN-26	As a user, I document all business questions with their corresponding visualizations so that analysis objectives are clearly mapped to visuals.	2	High	Aishwarya Bharathy Babu	13-Dec-2025	17-Dec-2025
Sprint-2	Data Visualization Template	USN-27	As a user, I include screenshots of each visualization so that the visual outputs are clearly demonstrated.	1	High	Aishwarya Bharathy Babu	13-Dec-2025	17-Dec-2025
Sprint-2	Dashboard Template	USN-28	As a user, I document the overall dashboard layout and structure so that the design approach is clearly communicated.	2	High	Aishwarya Bharathy Babu	13-Dec-2025	17-Dec-2025
Sprint-2	Dashboard Template	USN-29	As a user, I document the interactive elements (Year and Country slicers) so that dashboard interactivity is clearly explained.	1	High	Aishwarya Bharathy Babu	13-Dec-2025	17-Dec-2025
Sprint-2	Dashboard Template	USN-30	As a user, I list the potential outcomes derived from the dashboard so that key insights are summarized effectively.	2	High	Aishwarya Bharathy Babu	13-Dec-2025	17-Dec-2025

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members	Sprint Start Date	Sprint End Date (Planned)
Sprint-2	Report Template	USN-31	As a user, I write observations based on inflation trends over time so that temporal patterns are clearly explained.	2	High	Aishwarya Bharathy Babu	13-Dec-2025	17-Dec-2025
Sprint-2	Report Template	USN-32	As a user, I document country-wise inflation performance so that differences across countries are highlighted.	2	High	Aishwarya Bharathy Babu	13-Dec-2025	17-Dec-2025
Sprint-2	Report Template	USN-33	As a user, I summarize distribution-based insights and extreme inflation cases so that overall economic implications are captured.	2	Medium	Aishwarya Bharathy Babu	13-Dec-2025	17-Dec-2025
Sprint-2	Report Template	USN-34	As a user, I conclude the report with key takeaways so that the project outcomes are clearly communicated.	1	High	Aishwarya Bharathy Babu	13-Dec-2025	17-Dec-2025
Sprint-3	Project Executables	USN-35	As a user, I save the dataset so that it is preserved for future use.	1	High	Aishwarya Bharathy Babu	18-Dec-2025	22-Dec-2025
Sprint-3	Project Executables	USN-36	As a user, I save the Power BI report (.pbix) so that all visuals and dashboards are retained.	1	High	Aishwarya Bharathy Babu	18-Dec-2025	22-Dec-2025
Sprint-3	Project Executables	USN-37	As a user, I ensure the dataset and Power BI file are stored together so that the project can be easily executed by reviewers.	1	High	Aishwarya Bharathy Babu	18-Dec-2025	22-Dec-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	Project Documentation	USN-38	As a user, I compile all completed templates into a single project document so that the project is well-structured.	2	High	Aishwarya Bharathy Babu	18-Dec-2025	22-Dec-2025
Sprint-3	Project Documentation	USN-39	As a user, I finalize the documentation in PDF format so that it is ready for submission.	1	High	Aishwarya Bharathy Babu	18-Dec-2025	22-Dec-2025
Sprint-3	Project Demonstration Recording	USN-40	As a user, I plan the demonstration flow so that the explanation follows business questions logically.	1	High	Aishwarya Bharathy Babu	18-Dec-2025	22-Dec-2025
Sprint-3	Project Demonstration Recording	USN-41	As a user, I record a screen-capture video explaining the dashboard and visualizations so that project functionality is clearly demonstrated.	2	High	Aishwarya Bharathy Babu	18-Dec-2025	22-Dec-2025
Sprint-3	Project Demonstration Recording	USN-42	As a user, I review and export the demonstration video in MP4 format so that it is ready for submission.	1	High	Aishwarya Bharathy Babu	18-Dec-2025	22-Dec-2025