

Initial Project Planning Template

Date	17 Dec 2025
Team ID	xxxxxx
Project Name	Global Energy Trends: A Comprehensive Analysis of Key Regions and Generation Modes 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 & Integration	USN-1	As an analyst, I can collect and consolidate global energy datasets from multiple sources (IEA, World Bank, Kaggle).	3	High		9 Dec 2025	11 Dec 2025
Sprint-1	Data Cleaning & Transformation	USN-2	Clean dataset (remove missing values, duplicates, fix formats)	2	High		9 Dec 2025	11 Dec 2025
Sprint-1	Data Modeling	USN-3	Create Power BI data model, define relationships and hierarchies.	2	Medium		9 Dec 2025	11 Dec 2025
Sprint-1	KPI Definition	USN-4	As a user, I can register for the application through Gmail	2	Medium		9 Dec 2025	11 Dec 2025
Sprint-2	Global Overview Dashboard	USN-5	Create global energy overview dashboard with world map visual, total energy production.	3	High		12 Dec 2025	14 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	Region-wise Insights	USN-6	Develop region-wise visuals including year-wise energy trends.	2	Medium		12 Dec 2025	14 Dec 2025
Sprint-2	Energy Mode Analysis	USN-7	Create comparison of Renewable vs Non-Renewable energy using charts.	2	Medium		12 Dec 2025	14 Dec 2025
Sprint-2	Filters & Slicers	USN-8	Add filtering options for Year, Region, Country, and Energy Type.	1	High		12 Dec 2025	14 Dec 2025
Sprint-3	Advanced Analytics	USN-9	Add forecasting & predictive analytics for future energy trends.	3	Low		15 Dec 2025	17 Dec 2025
Sprint-3	Performance Optimization	USN-10	Optimize visuals, data model, and report performance.	2	Medium		15 Dec 2025	17 Dec 2025
Sprint-3	Report Publishing	USN-11	Publish final dashboard to Power BI Service.	1	High		15 Dec 2025	17 Dec 2025
Sprint-3	Sharing & Collaboration	USN-12	Set access permissions and share dashboard with stakeholders.	1	Medium		15 Dec 2025	17 Dec 2025