

Initial Project Planning

Date	1 October 2025
Team ID	SWUID20250207636
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	USN-1	As a data analyst intern, I will collect and review global energy datasets (country-wise, continent-wise, renewable/non-renewable) from reliable sources such as Kaggle	2	High	Riya Kavidayal	1/10/2025	1/10/2025 Completed
Sprint-2	Data Connection &	USN-2	As a user, I can connect the	3	High	Riya	1/10/2025	1/10/2025

	Preparation		collected datasets to Power BI using Power Query and clean the data for analysis (handling nulls, renaming columns, formatting).			Kavidayal		Completed
Sprint-3	Data Modelling	USN-3	As a Power BI developer, I will establish relationships between tables (Country, Continent, Energy Source) and create necessary calculated columns/measures using DAX.	3	High	Riya Kavidayal	2/10/2025	2/10/2025 Completed
Sprint-4	Data Visualization	USN-4	As a user, I can visualize energy generation and consumption using charts such as bar graphs, line charts, and geographical	4	High	Riya Kavidayal	3/10/2025	4/10/2025 Completed

			maps for interactive exploration.					
Sprint-5	Dashboard Design	USN-5	As a user, I can view all visualizations in a single interactive dashboard displaying , trends, and insights on renewable vs non-renewable energy.	3	High	Riya Kavidayal	4/10/2025	5/10/2025 Completed
Sprint-6	Report Generation	USN-6	As a data analyst intern, I will create a detailed report summarizing findings, key visualizations, and insights derived from the dashboard.	2	Medium	Riya Kavidayal	6/10/2025	6/10/2025 Completed
Sprint-7	Performance Testing	USN-7	As a Power BI intern, I will test dashboard performance, filter efficiency, and	2	Medium	Riya Kavidayal	7/10/2025	7/10/2025 Completed

			measure responsiveness across multiple visuals.					
Sprint-8	Project Demonstration & Documentation	USN-8	As a presenter, I will record an end-to-end demonstration video of the dashboard and document every project development step.	2	High	Riya Kavidayal	7/10/2025	7/10/2025 Completed