Project Planning Phase
Project Planning Template (Product Backlog, Sprint Planning, Stories, Storypoints)

Date	15 February 2025
Team ID	PNT2025TMID00584
Project Name	Global Energy Trends: A Comprehensive Analysis of Key Regions and Generation Modes using Power BI
Maximum Marks	5 Marks

Product Backlog, Sprint Schedule, and Estimation

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Data Integration	USN-1	As a data analyst, I can collect and integrate energy data from multiple sources into a centralized database.	3	High	Data Analyst
Sprint-1	Data Cleaning & Processing	USN-2	As a data scientist, I can clean and standardize the energy data for accurate analysis.	2	High	Data Scientist
Sprint-2	Dashboard Development	USN-3	As a Power BI developer, I can create interactive visualizations to showcase energy trends and CO_2 emissions.	5	High	Power BI Developer
Sprint-2	Predictive Analytics	USN-4	As a user, I can register for the application through Gmail	5	High	Data Scientist
Sprint-3	Policy Impact Analysis	USN-5	As a policymaker, I can analyze how energy policies impact CO_2 emissions and energy production.	4	Medium	Stakeholder Coordinator
Sprint-3	Dashboard	USN-6	As an end-user, I can access training materials to understand how to use the dashboard effectively.	2	Medium	Stakeholder Coordinator

Project Tracker, Velocity & Burndown Chart: (4 Marks)

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	10	7 Days	18 Feb 2025	25 Feb 2025	10	25 Feb 2025
Sprint-2	10	7 Days	26 Feb 2025	04 Mar 2025	10	04 Mar 2025
Sprint-3	10	7 Days	05 Mar 2025	12 Mar 2025	10	12 Mar 2025

Velocity:

Sprint-1 Velocity: 10 Story Points / 7 Days = 1.43 Story Points per Day

Sprint-2 Velocity: 10 Story Points / 7 Days = 1.43 Story Points per Day

Sprint-3 Velocity: 10 Story Points / 7 Days = 1.43 Story Points per Day

Average Velocity: (1.43 + 1.43 + 1.43) / 3 = 1.43 Story Points per Day

Burndown Chart: