Project Design Phase
Proposed Solution Template

Date	21st March 2025
Team ID	PNT2025TMID06806
Project Name	Global Energy Trends and Analysis: A Comprehensive Analysis of Key Regions and Generation Modes using Power BI
Maximum Marks	2 Marks

Proposed Solution Template:

Project team shall fill the following information in the proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement	The global energy sector is undergoing a transition due to climate change concerns, depleting fossil fuel reserves, and the need for sustainable energy solutions. The challenge lies in understanding emerging trends and identifying scalable solutions to meet future energy demands.
2.	Idea / Solution description	This study analyzes global energy consumption patterns, the rise of renewable energy sources, advancements in energy storage, and policy impacts on the energy sector. It provides insights into future trends, investment opportunities, and policy recommendations for a sustainable energy future.
3.	Novelty / Uniqueness	This project integrates real-time data analytics, AI-driven forecasting models, and case studies from different regions to offer a holistic view of the global energy landscape. It also evaluates lesser-known alternative energy solutions like hydrogen and fusion energy.
4.	Social Impact / Customer Satisfaction	A sustainable energy future ensures reduced carbon emissions, energy security, and affordability for consumers. Governments, businesses, and individuals can benefit from informed decision-making based on this research.
5.	Business Model (Revenue Model)	The insights from this study can be monetized through consulting services, industry reports, and partnerships with energy firms and policymakers. Revenue streams can include subscriptions, licensing of predictive models, and strategic advisory services.

6.	Scalability of the Solution	The solution is scalable globally, with adaptability to regional energy policies and trends. It can be expanded to include sector-specific reports, country-specific analyses, and integration with real-time energy platforms.