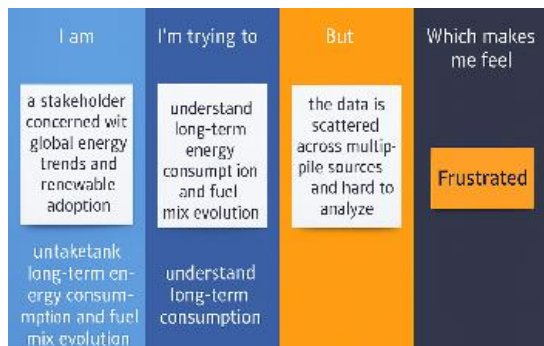


## Project Initialization and Planning Phase

Date	17 Dec 2025
Team ID	xxxxxxx
Project Name	Global Energy Trends: A Comprehensive Analysis
Maximum Marks	3 Marks

### Define Problem Statements :

Despite rapid advancements in energy technologies, modern societies continue to struggle with inefficient energy distribution, rising demand, and limited integration of renewable resources across urban, industrial, and rural sectors. Traditional energy systems lack real-time monitoring, predictive insights, and flexibility, resulting in high CO<sub>2</sub> emissions, increased operational costs, unreliable supply, and uneven access to electricity. There is a critical need for smart, data-driven, and sustainable energy solutions—such as smart grids, industrial energy management systems, and renewable microgrids—to optimize energy usage, enhance reliability, reduce environmental impact, and ensure equitable access to clean energy for all communities.



Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	an energy decision-maker	get a clear understanding of global energy trends	the information is scattered everywhere	there is no single, easy-to-read source for all energy data	unsure and slow in making decisions

PS-2	a learner studying the energy sector	understand how energy use and renewable adoption are changing	most reports are too technical	they are filled with complex terms and lack simple visuals	confused and less confident in my learning
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