



## **Project Initialization and Planning Phase**

Date	8 July 2024	
Team ID	SWTID1720096271	
Project Name	Machine learning approach for Predicting the price of natural gas	
Maximum Marks	3 Marks	

## **Define Problem Statements (Customer Problem Statement Template):**

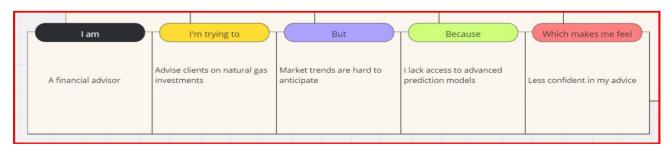
Create a problem statement to understand your customer's point of view. The Customer Problem Statement template helps you focus on what matters to create experiences people will love. A well-articulated customer problem statement allows you and your team to find the ideal solution for your customers' challenges. Throughout the process, you'll also be able to empathize with your customers, which helps you better understand how they perceive your product or service.

Develop a Machine Learning Model to accurately forecast natural gas prices, addressing the challenges of market volatility and unreliable current methods, to aid energy planners, Natural gas traders and financial advisors in making informed, confident, and cost-effective decisions.



Reference: <a href="https://miro.com/templates/customer-problem-statement/">https://miro.com/templates/customer-problem-statement/</a>

## **Example:**







Problem Statemen t (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	Natural gas trader	Predict future prices of natural gas	the market is highly volatile	I don't have accurate forecasting tool	Uncertain and stressed
PS-2	An energy market analyst	Make informed investment decisions	Historical data is complex	Its hard to identify patterns	Less confident in my decisions