Data Collection and Preprocessing Phase

Date	15 july 2024
Team ID	739907
Project Title	Price prediction of natural gas using machine learning approach
Maximum Marks	2 Marks

Data Collection Plan & Raw Data Sources Identification Report:

Section	Description
Project Overview	Predicting the price of natural gas is a challenging task due to the inherent volatility and the influence of numerous factors, such as weather conditions, supply and demand dynamics, geopolitical events, and market sentiment. Traditional statistical methods often fall short in capturing the complex, non-linear relationships between these variables. This project aims to leverage machine learning (ML) techniques to develop a robust predictive model for natural gas prices, providing valuable insights and tools for stakeholders in the energy sector
Data Collection Plan	• Search for datasets related to natural gas price, countries using natural gas. • Prioritize datasets with diverse information.
Raw Data Sources Identified	The raw data sources for this project include datasets obtained from Kaggle , the popular platforms for data science competitions and repositories. The provided sample data represents a subset of the collected information, encompassing variables such as country, price ,year

Data Collection Plan:

Raw Data Sources Report: Source Name	Description	Location/URL
Kaggle Dataset	The dataset comprises price of natural gas ,date ,day ,year.	https://drive.google.com/file/d/1jb4n2QgMR5GpL101Cv9AasZPrjf8