

Model Development Phase Template

Date	17 July 2024
Project Title	Machine learning approach for predicting the price of natural gas
Maximum Marks	5 Marks

Feature Selection Report Template

In the forthcoming update, each feature will be accompanied by a brief description. Users will indicate whether it's selected or not, providing reasoning for their decision. This process will streamline decision-making and enhance transparency in feature selection.

Feature	Description	Selected (Yes/No)	Reasoning
Year	The year extracted from the Date column	Yes	It provides a chronological context to the data which is crucial for time series analysis.
Month	The month extracted from the Date column	Yes	It helps in capturing seasonal trends which might affect the price.
Day	The day extracted from the Date column	Yes	It helps in capturing daily variations and patterns.
Price	The target variable representing the price	Yes	This is the variable we are trying to predict, so it is essential.