

Model Development Phase

Date	11 July 2024
Team ID	SWTID1720359900
Project Title	Machine Learning Approach For Predicting The Price Of Natural Gas
Maximum Marks	6 Marks

Model Selection Report

In the forthcoming Model Selection Report, various models will be outlined, detailing their descriptions, hyperparameters, and performance metrics, including Accuracy or F1 Score. This comprehensive report will provide insights into the chosen models and their effectiveness.

Model Selection Report:

Model	Description	Hyperparameters	Performance Metric (e.g., Accuracy, F1 Score)
Decision Tree	Simple tree structure; interpretable, captures non-linear relationships, suitable for continuous price data.	-	Accuracy value = 98.14%
Linear Regression	Simple model that shows linear relationship between two variables.	-	Accuracy value = 98.08%