

Model Development Phase Template

Date	12 th July 2024
Team ID	SWTID1720098339
Project Title	Machine learning approach for predicting the price of natural gas
Maximum Marks	5 Marks

Feature	Description	Selected (Yes/No)	Reasoning
Day of the Week	This feature represents the day of the week for each date in the dataset, encoded as an integer from 0 (Monday) to 6 (Sunday).	Yes	It helps capture weekly patterns and trends in natural gas prices, which can be influenced by regular business cycles and market operations.
Is Weekend	This binary feature indicates whether a given date falls on a weekend (Saturday or Sunday)	Yes	It is encoded as 1 for weekends and 0 for weekdays. This feature helps in identifying any differences in natural gas prices between weekends and weekdays, as market activity typically varies across these days.

