

## Model Development Phase Template

Date	14 <sup>th</sup> July 2024
TeamID	739889
Project Title	Sentimental Analysis of Commodity News(Gold)
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
DATES	This records the Date at which the news are Displayed in websites	NO	As we are using the NLP, this column is Not required!
URL	The news recorded from particular website link	NO	This column is especially used for the visual analysis only, not for model training

NEWS	The news in which the price sentiment is detected	YES	NEWS is taken as reference and it is cleaned using tokenizer technique and new column is generated
PRICE DIRECTION UP	THE DIRECTION	NO	USED IN VISUAL ANALYSIS

PRICE DIRECTION DOWN	DIRECTION	NO	USED IN VISUAL ANALYSIS
PRICE DIRECTION CONSTANT	DIRECTION	NO	USED IN VISUAL ANALYSIS
ASSET COMPARISON	ASSETS	NO	USED IN VISUAL ANALYSIS
PAST INFORMATION	PREVIOUS RECORDS	NO	USED IN VISUAL ANALYSIS
FUTURE INFORMATION	FUTURE RECORDS	NO	. USED IN VISUAL ANALYSIS
PRICE SENTIMENT	POSITIVE, NEGATIVE, NEUTAL, NONE	Yes	The target variable for predictive modeling—is essential for the project's goal.
CLEANED NEWS	AFTER APPLYING NLP	YES	.THE ESSENTIAL COLUMN FOR TRAINING THE MODEL,WHICH IS CLEANED WITHOUT NAME SPACES,WORD SPACES ETC