Model Development Phase Template

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| Date | 14th July 2024 |
| TeamID | 739959 |
| 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.

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| **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 |

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| PRICE DIRECTION DOWN | DIRECTION | NO | USED IN VISUAL ANALYSIS |
| PRICE DIRECTION CONSTANT | DIRECTION | NO | USED IN VISUAL ANALYSIS |
| ASSET COMPARISION | 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 |