

Model Development Phase Template

Date	15 April 2024
Team ID	Team - 738203
Project Title	Share Price Estimation Of TOP 5 GPU Companies
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
Date	Gives the date of particular stock	Yes	This feature could be important for understanding trends over time. For example, you might see seasonal patterns in stock prices, or identify events that impacted the stock price
Open	the price at which a stock begins trading on a given day.	Yes	It can be helpful to see how the opening price compares to the closing price. Large differences between opening and closing price could indicate volatility in the market.
High	the highest price that a stock trades at during a given day	Yes	This data point can help you understand the range of prices that a stock is traded at within a day.

Low	the lowest price that a stock trades at during a given day.	Yes	This data point can help you understand the range of prices that a stock is traded at within a day.
Close	the price at which a stock ends trading on a given day.	Yes	This is a widely used metric for tracking stock prices.
Adj Close	This column reflects the closing price of a stock after accounting for corporate actions like stock splits and dividend payments.	No	Stock splits and dividends can significantly impact a stock's price. Using the "Adj Close" ensures your model considers the actual value a share held over time, leading to a potentially more accurate prediction.
Volume	This column represents the number of shares traded for a particular company's stock on a given day. It reflects the overall trading activity for that stock.	Yes	High volume can indicate increased interest in a stock, which might influence its price. Conversely, low volume could suggest a lack of investor confidence, potentially leading to stagnant or declining prices. By including "Volume" data, your model can account for these factors and potentially improve prediction accuracy.