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**Model Development Phase Template**

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| Date | 24 April 2024 |
| Team ID | 740140 |
| Project Title | Crystal Ball Analysis: Projecting Share Prices Of The Leading Gpu Titans |
| 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** |
| |  | | --- | | Company Revenue |  |  | | --- | |  | | |  | | --- | |  |  |  | | --- | | Total revenue  generated by the  GPU company | | Yes | Revenue is a fundamental indicator of financial health and growth potential of the company. |
| |  | | --- | | Research &  Development | |  |  |  | | --- | |  | | |  | | --- | |  |  |  | | --- | | Investment in R&D  activities related to GPU  technologies | | Yes | Indicates innovation capability and future product competitiveness. |
| Market share | Percentage of the GPU market captured by the company | yes | Reflects company's position and competitive strength in the market. |
| Economic Indicators | GDP, inflation rate, interest rates affecting market conditions | No | While important, these are external factors and not company-specific. |
| GPU Product Range | Variety and quality of GPU products offered by the company | Yes | Diversification in product range can mitigate risks and increase market presence |
| CEO Leadership | CEO's influence, strategic decisions impacting company performance | No | Subjective and not easily quantifiable; focus remains on quantifiable financial metrics. |
| Brand Reputation | Perception of brand quality and trustworthiness among consumers and businesses | No | Important but less quantifiable and directly impacts stock price prediction. |
| Stock Price History | Historical data of company's stock prices over time | Yes | Helps in identifying trends and patterns, critical for predictive modeling. |
| Technological Advancements | New technologies or advancements in GPU architecture | Yes | Indicates potential future market advantage and growth prospects. |