

Project Design Phase-I
Proposed Solution Template

Date	30th October,2023
Team ID	592419
Project Name	Share Price Estimation of Top 5 GPU Companies
Maximum Marks	4 Marks

Proposed Solution Template:

Project team shall fill the following information in proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	The problem at hand is to accurately estimate the future share prices of the top 5 GPU (Graphics Processing Unit) companies in the market. The challenge lies in predicting the dynamic and volatile nature of the stock market, which is influenced by various factors such as technological advancements, market demand, and global economic conditions.
2.	Idea / Solution description	The proposed solution involves developing a sophisticated predictive model that leverages historical stock data, market trends, and relevant financial indicators to forecast the

		future share prices of the leading GPU companies. The model will employ advanced machine learning algorithms, taking into account both internal and external factors that impact the GPU industry.
3.	Novelty / Uniqueness	The novelty of this solution lies in its ability to integrate a comprehensive set of variables, including a variety of features, to provide a holistic and accurate estimation of GPU companies future share prices. The incorporation of cutting-edge machine learning techniques will enable the model to adapt to changing market conditions and enhance prediction accuracy.
4.	Social Impact / Customer Satisfaction	Accurate share price estimation is crucial for investors, financial analysts, and market participants to make informed decisions. By providing more reliable forecasts for GPU companies' stock prices, the solution contributes to a more stable and efficient financial market. Investors can optimize their investment strategies, fostering a healthier investment environment.
5.	Business Model (Revenue Model)	The business model involves offering subscription-based access to the share price

		<p>estimation platform. Users, including institutional investors, fund managers, and individual traders, can subscribe to the service to access real-time and predictive analytics for the top 5 GPU companies. Revenue can be generated through tiered subscription plans and potentially through partnerships with financial institutions.</p>
6.	Scalability of the Solution	<p>The solution is scalable as it can be expanded to include a broader range of companies beyond the top 5 GPU firms. The underlying machine learning model can be continuously improved and updated to adapt to market dynamics. The platform's scalability also allows for integration with additional financial instruments, such as options and futures, providing a more comprehensive financial analysis tool.</p>