Data Collection and Preprocessing Phase

Date	15 April 2024
Team ID	Team - 738203
Project Title	Share Price Estimation Of TOP 5 GPU Companies
Maximum Marks	2 Marks

Data Collection Plan Template

Section	Description
Project Overview	This project demonstrates how machine learning can provide valuable insights from complex financial data to Predicting the closing Share prices of top 5 GPU Companies Objective Leveraging advanced analytical techniques to provide actionable insights into the future performance of the top GPU companies' share prices, facilitating informed investment decisions and strategic planning. The project aims to demonstrate proficiency in data analysis, machine learning, and financial modeling while addressing real-world forecasting challenges in the stock market domain.
Data Collection Plan	We will collect our dataset from the kaggle website

Raw Data Sources Identified	Source: Kaggle (https://www.kaggle.com/datasets/kapturovalexander/nvidia-amd-intel-asus-msi-share-prices) Description: This dataset was obtained from Kaggle, a platform for data science and machine learning enthusiasts. It contains historical share price data for the top 5 GPU (Graphics Processing Unit) companies. File Format: CSV (Comma-Separated Values) Content: The dataset includes various attributes such as date, company name, opening price, closing price, highest price, lowest price, and trading volume.

Raw Data Sources Template

Source Name	Description	Location/URL	Format	Size	Access Permissions
AMD (1980 -11.07.2023	The AMD dataset in which there are date, open, high, low, close, adj close and volume this columns from 1980 to 11-07-2023	https://www.kaggle.com/datasets/kapturovalexander/nvidia-amd-intel-asus-msi-share-prices	CSV	729.52 kB	Public

AMD (2023 - 08.04.2024)	The AMD dataset in which there are date, open, high, low, close, adj close and volume this columns from 2023 to 08-04-2024	https://www.kaggle.com/datasets/kapturovalexander/nvidia-amd-intel-asus-msi-share-prices	CSV	23.25 kB	Public
ASUS (2000 - 11.07.2023)	The ASUS dataset in which there are date, open, high, low, close, adj close and volume this columns from 2000 to 11-07-2023	https://www.kaggle.com/datasets/kapturovalexander/nvidia-amd-intel-asus-msi-share-prices	CSV	431.14 kB	Public
ASUS (2023 - 08.04.2024)	The ASUS dataset in which there are date, open, high, low, close, adj close and volume this columns from 2023 to 08-04-2024	https://www.kaggle.com/datasets/kapturovalexander/nvidia-amd-intel-asus-msi-share-prices	CSV	22.11 kB	Public
INTEL (1980 - 11.07.2023)	The INTEL dataset in which there are date, open, high,	https://www.kaggle.com/datasets/kapturovalexander/	CSV	743.7 kB	Public

	low, close, adj close and volume this columns from 1980 to 11-07-2023	nvidia-amd-intel-asus-msi-share-prices			
Intel (2023 – 08.04.2024)	The Intel dataset in which there are date, open, high, low, close, adj close and volume this columns from 2023 to 08-04-2024	https://www.kaggle.com/datasets/kapturovalexander/nvidia-amd-intel-asus-msi-share-prices	CSV	22.17 kB	Public
MSI(2023-08.04.2024)	The MSI dataset in which there are date, open, high, low, close, adj close and volume this columns from 2023 to 08-04-2024	https://www.kaggle.com/datasets/kapturovalexander/nvidia-amd-intel-asus-msi-share-prices	CSV	22.1 kB	Public
NVIDIA(1999-11.07.2023)	The NVIDIA dataset in which there are date, open, high, low, close, adj close and volume	https://www.kaggle.com/datasets/kapturovalexander/nvidia-amd-intel-asus-msi-share-prices	CSV	413.51 kB	Public

	this columns from 1999 to 11-07-2023				
Nvidia(2023-08.04.2024)	The Nvidia dataset in which there are date, open, high, low, close, adj close and volume this columns from 2023 to 08-04-2024	https://www.kaggle.com/datasets/kapturovalexander/nvidia-amd-intel-asus-msi-share-prices	CSV	23.75 kB	Public