***STOCK PRICE PREDICTION***

***Phase 1: PROBLEM DEFINITION AND DESIGN THINKING***

***Team member details:***

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***AIM:***To understand the problem and show the objectives and procedure of this project.

***Definition:***

***S***tock Price Prediction is the use of data analysis, statistical modelling, and machine learning to predict future stock prices of publicly-traded companies in financial markets. This process considers historical data, financial indicators, market sentiment, and other factors. The goal is to provide investors, traders, and financial professionals with insights for informed investment decisions, risk management, and trading strategy optimization.

***Analysis Objectives:***

The main objective of this project is to show the data in this given XL or CSV file**.**

***Data Collection:***

* **Sources:** The data has been collected from the kaggle dataset from the past 10 years of stock prices in certain years.

***Visualisation Strategy:***

* **Data Format:**

.csv: Comma Space delimited file

* **Data content type:**

Company name, number(price), date.

* **Data Length:**

7 columns with 20,000 dataset

12 companies.

***Code Integration:***

We are going to write a code for analysing a csv file

**Software platform used:** Visual Studio code (or) Python 3.11

**Operations:** Data Visualization, Data Cleansing, Deleting Duplicates

**Programs used:** HTML,CSS, JavaScript, MySQL, Python

***Data link or file:***

**Data:** https://www.kaggle.com/datasets/pathikghugare/daily-indian-stock-price-dataset?select=SBIN-BSE.csv