**Stock Price Prediction**

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**Dept:**CSE AIML

**Sec:** B

**Subject:**Software Engineering & Project Management

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**Project:**Stock Price Prediction

**Domain:**Machine Learning

# Team Members:

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# Aim:

To develop an ingenious artiﬁcial recurrent neural network technique using python for more suitable stock market projections.

# Purpose:

Using this model, anyone can observe the preferred stock to invest as it can

* Maximize the proﬁt by purchasing volume at the lowest price and liquidating the stock when it's at its highest.
* Minimize the loss by selling the stock just at the right time, so users wouldn't have to face loss over their investments.

# Stock Price Prediction using Neural Network

The project is about predicting the returns on stocks. Development is broadly classified into 2 partitions

1. Prediction of stock prices using the LSTM neural network.
2. Dashboard using Plotly dash for stock analysis.

# Objectives:

* Processes real-time data thereby permitting the model to be authentic and comprehend live input.
* Provides beneficial feedback on the shares of the company and foresee its elevation and decline concerning the previous situations

# Challenge:

Capturing the frequency of stock market changes has always been a key point for investors and investment ﬁrms. Investors are very interested in the ﬁeld of stock price forecasting analysis. To make a thriving investment, numerous investors are anxious to know the future of the stock market.

Our project would help investors, analysts, or anyone inquisitive and curious in investing in the stock market to get an adequate understanding of the future circumstances of the stock market.