PROJECT TOPIC: Stock Prediction Using Machine Learning

B.Tech CSED Group No. : 5

Project Group Members:

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About the Project: Stock market prediction and analysis are some of the most difficult jobs to complete. There are numerous causes for this, including market volatility and a variety of other dependent and independent variables that influence the value of a certain stock in the market. These variables make it extremely difficult for any stock market expert to anticipate the rise and fall of the market with great precision.

However, with the introduction of Machine Learning and its strong algorithms, the most recent market research and Stock Market Prediction advancements have begun to include such approaches in analyzing stock market data.

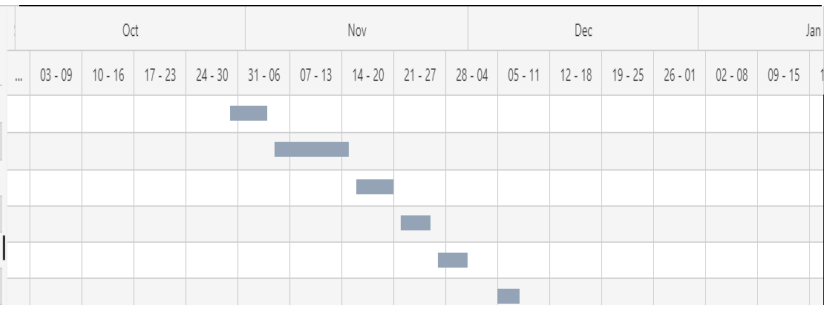
Machine Learning Algorithms are widely utilized by many organizations in Stock market prediction. We will walk through a simple implementation of analysing and forecasting the stock prices of a Popular Worldwide Online Retail Store in Python using various Machine Learning Algorithms.

Motivation: Stock market prediction means determining the future scope of market. A system is essential to be built which will work with maximum accuracy and it should consider all important factors that could influence the result.

Stock market prediction means determining the future scope of market. A system is essential to be built which will work with maximum accuracy and it should consider all important factors that could influence the result. Predicting the performance of a stock market is tough as it takes into account various factors.

Project Planning:

ID	Title	Start Time	End Time
1	Submitting the ...	10/30/2021	11/04/2021
2	Literature Revie...	11/05/2021	11/15/2021
3	Discussion and ...	11/16/2021	11/21/2021
4	Implementation...	11/22/2021	11/26/2021
5	Implementation...	11/27/2021	12/01/2021
6	Documentation ...	12/05/2021	12/08/2021



Tools required:

Hardware Requirement

- Processor – Intel i5 or Above
- Ram – Minimum 225MB or above
- Hard disk – Minimum 2 GB of space
- Input device – Keyboard
- Output device – Screen monitor or laptop

Software Requirement

- Operating system - Windows & Linux
- IDE - Jupiter Notebook
- Data Set - .csv file
- Visualization - mat plot lib, pandas.

Signature of Project Supervisor: _____