

## Final Report

# Stock Market Analysis and Prediction

## Artificial Intelligence

By

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## *FORMAT OF REPORT*

• Abstract.....	3
• Introduction.....	3
• Literature Review.....	4
• Proposed Methodologies.....	5
• Result and discussion.....	6
• Conclusion.....	6
• References.....	7
• Role.....	7

## **ABSTRACT**

Our aim for creating such software is that it will inspect stock of some companies by using some parameters. We are using mining algorithm in this and it will also tell us about the stock that company will have in near future.

## **INTRODUCTION**

Stock market analysis is just a method which helps traders or investors to make correct decisions regarding buying or selling. It compares any company's current financial condition with its past conditions or with some other company of same industry and give a clue to the investor that whether the company is growing or stable.

# **LITERATURE REVIEW**

## **ADVANTAGES**

- Helps the traders or investors to make correct decisions regarding buying or selling.
- It tells about the company the state of the company whether it is growing or steady.

## **DISADVANTAGES**

- Requires internet connection all the time.
- May generate imprecise output if the entered data is incorrect.

## **PROPOSED METHODOLOGY**

### ○ Libraries Used:

- ✓ Numpy: It is a library used in python. It supports large or multidimensional arrays.
- ✓ Matplotlib: It is a library used in python. It supports API for implant plots using GUI tool kits.
- ✓ Math: It is library used in python. It supports mathematical functions.
- ✓ Pandas: It is a library in python which supports analysis or manipulation of data.
- ✓ MinMaxScaler: It estimates every attribute one by one given in the range of set.

## **RESULT AND DISCUSSION**

- Result of developing software is that it helps investors to make correct decisions regarding selling or buying.
- It evaluates the status of a company.




## **CONCLUSION**

- Conclusion of this project is that it helps traders for making decisions.
- It predicts the future stock of the company as well.
- It compares the company's status with previous years.
- It compares the company's status with other companies of that industry.

## **REFERENCES**

- [www.geeksforgeeks.org](http://www.geeksforgeeks.org)
- docs.Python.org
- [www.w3schools.com](http://www.w3schools.com)
- [www.udemy.com](http://www.udemy.com)
- [www.wikipedia.org](http://www.wikipedia.org)

## **ROLE**

- 3 team members:
  -  Amit Kumar Roy: Some part of the code
  -  Ruchika Rana: Report and some other part of the code.
  -  S M Jubayer Hossen: Remaining part of the code.

## **THANK YOU**