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Website for online Stock Market Trading tips analysis

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ABSTRACT

The website aims for analyzing the accuracy of tips given by the Financial Advisor to the Investors investing in the shares of the Stock Market. The stock market plays a crucial role in the financial aspects of the nation's growth, but Stock Market is highly Complex and risky. On every day's business, millions of traders invest in Stock Market. Most of these Investors either gain or lose money. With the ease of availability of top-notch gadgets, superior technology, and the high-speed internet, youngsters today are adapting the quick and efficient option of Stock Market Trading as an additional source of income. With this Online Trading Platform created by using the Agile Model of SDLC, this website provides tips to the new Investors to invest in the right shares based on the detailed analyzed tips given by the Financial Advisors.

Keywords— Stock Markets, Financial Advisors, Tips, Investors

1. INTRODUCTION

Online trading in the stock market is the new age shine, the youth is looking toward to improve advance their level of income. Online trading is the most fruitful business, which just requires knowledge with basic concept of the market and how it works. It has become a major fascinating trend by numerous youth, frisky and intuitive community executive or non-executive and employed or unemployed. The knowledge of basic trading concepts is enough to get the new Investors started, but making investment decisions on varied stocks available in the market is a challenging task in itself. The demand to predict stock price rise is extremely high hence is the need for stock market analysis but the demand to follow an expert's investment advice is also a need for the new and young Investors. This project is focused on analyzing a stock investment tip of any given company by an expert Financial Advisor. The objective of this project is to minimize the risk of loss in every trade thereby maximizing the profit by making the right investment decisions.

2. RELATED WORK

[1] Popular mean-reverting strategies are taken into consideration and evaluation is done on them. There are a few trading rules such as Moving Averages, Moving Average Cross-over, The Auto-regressive model, Moving average Convergence/Divergence. The aim is to find three best performing trading strategies and evaluate their performance using indicators statistical hypothesis testing. Trading strategies that fall into the category of Mean-reversion trading rules are implemented.

It is found that out of the few strategies that were considered three of them performed extremely well; they are SMA (Simple moving average), EMA (Exponential moving average), and AR (Auto-regressive) model. [2] Based on the findings of the study, if the offered suggestions are appropriately taken into consideration, the online share trading system would be undoubtedly improved. This paper aims to study the satisfaction and technical problems faced by the investors located in the Coimbatore District of Tamil Nadu. Two techniques were used for recognizing this problem.

To find out the satisfaction of investors percentage analysis technique was taken into consideration whereas for technical problems Garrett ranking analysis was used. The study of the paper attempts to answer the following questions:

- (a) Are the investors satisfied with online share trading regarding their brokerage houses?
- (b) What are the technical problems faced by the investors while trading?

Data analysis is done by tools such as Mean, Sum, Garrett Ranking analysis, and Percentage analysis.

Based on the study of the paper quite a few suggestions have been offered which if are taken into consideration by concerned authorities, satisfaction on the trading system would be improved. [3] Overall, this study illuminates the use of relatively simple strategies in generating profits and saving time, i.e. money, for investors. Financial markets, being one of the most important inventions have an equally strong influence in various fields. This has also helped in the development of the stock market industry but developing and analyzing the stock market can be challenging because of the constantly changing nature of the economic market. The two main approaches to analyze the financial market are technical and fundamental analysis. This paper explains two main approaches for making financial decisions in the financial market.

The three essential aspects of fundamental analysis discussed are:

- (a) Macroeconomic analysis like Gross Domestic Product and Consumer Price Index
- (b) Industry analysis estimating the value of the company based on its property and status.
- (c) Company analysis analyzes the financial status and operation of the company.

Online trading services have already revolutionized the way of buying and selling stocks. The financial market has developed rapidly into a strong worldwide connection. A research overview is to explore various algorithms to evaluate their predictions and status in the current financial market. [4] The most challenging task is deciding on the investments in the stock market. It is critical to find expert advice with similar interests in the investment decision. Hence by building a social network of financial experts whose profiles are available socially can be used for further analysis to recommend an appropriate investor on their behavioral similarities to an expert in the field. [5] Financial markets, being one of the most important inventions have an equally strong influence in various fields. This has also helped in the development of the stock market industry but developing and analyzing the stock market can be challenging because of the constantly changing nature of the economic market. The two main approaches to analyze the financial market are technical and fundamental analysis. This paper explains two main approaches for making financial decisions in the financial market.

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3. EXISTING SYSTEM

Today the internet is full of Stock Market websites and resources, Thousands of websites and applications based on the stock market and its market information for free. The existing systems have been using statistical models as well as machine learning and artificial intelligence model for the predictions of the market. One can find financial data which might be quite an information to the investor who's been playing a long run in the market. Over the years, as the investors and the market researchers have been developing models of market behavior, analyzing it and making proper investments is extremely challenging because of the dynamic nature possessed by the stock market. Although a great deal of effort has been devoted to developing these systems, it lacks advice for the stock investment decision.

4. PROPOSED SYSTEM

We are building a website for online stock market trading based on tips given by financial advisors. Our project's main objective serves the purpose of the website is to analyze the tips given by the Financial Advisor to the Investor regarding which stocks to buy or to sell. As we know many Investors invest in the market, our project is based on Comparing Stock Market ratios to analyze the tips from the Financial Advisors.

- Providing tips to Investors from Financial Investors on which stocks are reliable to invest in.
- Financial Experts apply their capabilities and intelligence to make an investment decision based on their theories and strategies
- Hassle-free, reliable, and efficient extension and up-gradation compared to the existing software's.
- This platform will help the investor to discover appropriate financial advisors for achieving great profits through investment advice.

5. DETAILS OF HARDWARE AND SOFTWARE

5.1 Hardware Requirement

Intel Quad-core 1.7 GHZ Processor, Minimum 10 GB HD, Minimum 4 GB of RAM.

5.2 Software Requirement

XAMP Application, Brackets, Google chrome browser (With Internet Connection)

6. SYSTEM IMPLEMENTATION AND DESIGN DETAILS

The following diagram, Figure-1 represents the flow of our system. It depicts the operations that can be performed by the particular user i.e. the investor or the financial advisor (tipper).

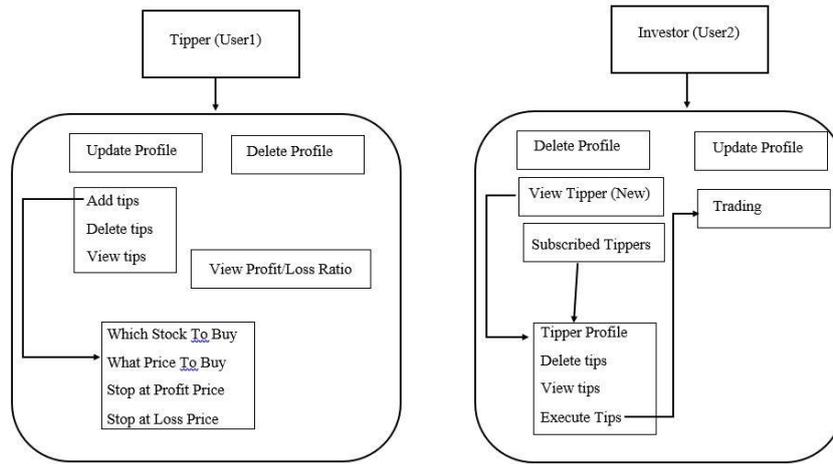


Figure 1: Design Details

Operations that can be performed by the Tipper/Financial Advisor

- The tipper could update or delete his/her profile.
- The tipper can perform operations such as adding tips, deleting them, or viewing the published tips by themselves.
- The tipper can view his profit and loss ratio through the tips publishes provided by the analysis done by the website.
- The tipper when acting on add tips could release tips such as which stock to buy, what price must be stock bought at, and the stop at profit price or stop at loss price.

Operations that can be performed by the Investor

- The Investor could update or delete his/her profile.
- The investor can perform the operations such as viewing the tips published by their subscribed financial advisor or view their subscribed tippers.
- The investors can view the subscribed tipper’s profile, view their tips, and execute them.

7. OBSERVATIONS AND OUTPUTS

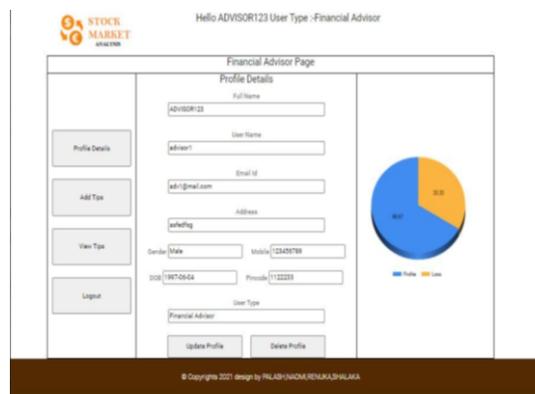


Figure 2: Financial Advisor UI



Figure 3: Investor UI

8. FEATURES

- Easy to make investments based on tips.
- Helps to ease the work of researching and studying the ups and downs of the market.
- User Authentication
- Best in the business of stock market Financial Advisors

9. CONCLUSION

In this growing technological world, we learn and understand that there is a technical solution to uplift and upgrade every problem. Investigators in the field of finance, whether scholars or master need to realize that they will find seemingly successful trading strategies by chance. Our project will help the new generations to trade and invest in the stock market. Our system will be providing the tips so it will be helpful for the new generations who want to trade in the stock market.

10. FUTURE SCOPE

In this work, we proposed we could analyze the tips given by the Financial Advisor to the Investor by comparing the tips to the data available to us in the back end in our database excel sheets. In the future, we proposed to move the same strategy by comparing it to the real-time market data by connecting our website to it and introduce auto-trading for our investors.

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