**STOCKITE: A Stock Trading Software**

**Mini Project**

Presented to the faculty of the Department of Computer Science and Engineering

Raj Kumar Goel Institute of Technology, Ghaziabad

By

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B.Tech. (CSE)

2nd year (3rd Sem)

Session: 2022-23

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\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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**ABSTRACT**

In earlier days the inventory exchange ‘hall’ is referred to as a ‘floor’ is split into some of markets in keeping with the safety that is being dealt with. The legal clerk is going to the specific a part of the ground referred to as the ‘pit’ and makes his citation for the acquisition or sale in keeping with the order. The supplier to whom the citation is given costs his personal charge, if it does now no longer healthy the clerk, he asks for a decrease charge to be quoted. When each the perimeters are satisfied, the charge is settled and the ‘bargain’ is made commonly, the ones deals are orally settled, there's no go back agreement among the 2 parties. The clerk commonly observe ee-e book which statistics all purchases at the debit facet and income at the credit score facet. This is referred to as a ‘Temp Record’ for noting down details.

In this system of trading in traditional stock exchanges of the transactions between the dealer and the investor.

After invention of the ONLINE TRADING in stock exchange there is greater transparency of trading.

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**1. INTRODUCTION**

Technology has modified the panorama of the inventory markets. They now do not require a buying and selling floor & from everywhere can provider traders throughout the globe.

Before display screen trading was introduced, total buying and selling was based Regional Stock Exchange withinside the Capital Market as they had been nearby investors. Now they're all online display screen trading primarily based totally buying and selling is connecting flooring with different inventory Exchanges.

When you place an order to buy and sell stocks, you may not be thinking about where or how your broker executes the trade. However, where and how your order is executed may affect the total cost of the transaction, including the price you pay for the Shares. Here's what you need to know about executing trades.

**1.1 Definition**

The growing popular activity of buying and selling securities over the Internet or, to a lesser extent, through a broker's proprietary software.

Buying and selling or brokerage of securities on the Internet using provided proprietary software running over the Internet. Online trading differs from wireless trading, a nascent service area where broker clients can trade using cell phones, pagers, and portable organizers.

An account similar to a traditional bank account that holds cash and securities and is managed by an investment dealer.

A trading account is one that the account user uses to implement a trading strategy rather than a purchase and hold investment plan. It is maintained at a financial institution and is managed by an investment dealer.

Despite the common misconception that trading accounts may only include stocks, they can also contain cash, foreign currency, securities, and a variety of other sorts of investments.

Investors should split their accounts if they utilise several trading techniques or have multiple brokerage accounts to avoid misunderstanding. One account may be a registered one used for retirement savings, another might be a buy-and-hold one for long-term stocks, another would be a margin account, and yet another might be a trading account for day trading.

**1.2 Scope of the Study**

Stock exchanges were given instructions by SEBI in September 1996 to implement online trading before the end of the year. The online trading system has been deployed by ASIT C.MEHTA in accordance with its instructions. The main purpose of this study is to determine the efficacy of the online system in comparison to open market trading or simulated trading in order to analyse its benefits and make recommendations for the system's beneficial and efficient usage.

**1.3 Objectives of the Study**

The objective of the study are following:

* They are better knowledgeable about Indian internet trading trends.
* To accomplish network availability & connectivity backup choices, it is important to research the backup methods with regard to key communications liabilities.
* Understanding the most recent and upcoming changes to the stock exchange trading system.
* Clarifying each and every phrase used in stock market trading items.

**2. LITERATURE SURVEY**

**2.1 Online Stock Trading in India: An Empirical Investigation**

The adoption of the Internet as a useful tool for accelerating business processes has increased as the Indian economy is powered by IT. The way that business is now conducted has completely altered because to recent advancements in information technology. Investors must appreciate the facts and comprehend the most recent complexities of internet trading as the financial system becomes more complex. E-commerce is a relatively recent phenomena in India that hasn't yet acquired any real significance.

Investors previously had no other choice but to speak with their local broker in order to learn about the market? However, online stock trading is increasingly used as a means of exchange, allowing investors to make stock orders with only a single mouse click while seated at home. In this research study, an effort has been made to assess the current state of internet trading in the Indian context while keeping in mind current market demands. The data in this study clearly demonstrates that, despite the fact that online trading is gaining momentum to attract investors, it will still need to employ innovative tactics to entice clients away from physical trading and toward online trading.

**2.2 Online Trading: The Future of Stock Market**

The public may conduct financial transactions online easily and more quickly than before thanks to the internet. Consumers may partake in all banking, commerce, and money platforms when trading stocks online, which makes it easier for them. Online trade is a subset of e-commerce, which is currently the world's greatest instrument for convenience. There aren't many businesses in India that provide such trading services.

In actuality, the growth of the stock market industry has never been greater. The success of all international organisations engaged in internet trade now depends on this. The future of the stock exchange through internet trading and its security rate will be the main topics of this research paper.

**3. RESEARCH METHODOLOGY**

**3.1 Research**

Research is a procedure by which the researcher seeks to learn the resolution to a particular issue so that the answer may be used to guide future action. Research is described by Redman and Mary as "a systematic endeavour to gather new information".

**3.2 Research Design**

A research design is an organisation of parameters for data gathering and analysis that seeks to balance company in technique with relevance to the study objective. In actuality, the study design serves as the conceptual framework for the research and serves as the manual for data collecting, measurement, and analysis.

**3.2.1 Research Design Used: Descriptive Research**

Surveys are usually employed as the designs for descriptive research because they allow for accurate descriptions of the variables and the interactions between them.

**3.3 Sources of Data**

The two sources of data are:

1. Primary Data
2. Secondary Data

**3.3.1 Primary Data**

This approach incorporates the information gathered via direct interactions with the company's authorised dealers and employees.

**3.3.2 Secondary Data**

The NOL's yearly reports and statements are used to gather secondary data.

**3.4 Tools and Techniques of the Analysis**

Graphs. Tables and charts are the tools and techniques that are used for the analysis.

**4. RESULTS OF THE STUDY**

* By using online trading, the investor is able to understand the share's risk and potential profits.
* It can be advantageous to any investor looking for both long- and short-term investments.
* Future success depends on accurate EPS estimation.
* Investors must have a fundamental understanding of computer processes.
* In terms of price changes, the analysis's conclusion is accurate.
* A firm with equity capital of less than Rs. 1 crore should not have its shares purchased.
* Do not purchase shares of a firm with many stockholders.
* Only shares with consistent and rapid growth should pique the interest of investors.
* If a shareholder is confident in EPS growth and anticipates rising P/E, they should hold onto their shares and exercise patience.

**5. LIMITATIONS**

* Only the stock exchange's internet trading is covered by the study. Only a few firms are allowed to participate in the research.
* To compete with brokers in the current market, one would need a reliable infrastructure and trade in accordance with international norms.
* Since this is a service-oriented sector, the idea of business has evolved. In order to survive, they must give their customers the finest service possible.

The depository system has several advantages. By setting criteria for characterising qualified scrip depositors, the introduction of depositories would increase market efficiency. If the business cannot satisfy the requirements, it decides to move to a paper-based market. This causes the company's reputation to decline. As a result, the organisation will make every effort to meet the requirements to enter the system.

Second, there will be a significant improvement in paper management. Saving time on script allocation and transfer is a benefit of this. Internal systems are successfully improved by this.

Third, the volume of trading in the script is probably going to significantly grow. Experiences from industrialised nations that have adopted the depository system indicate that there will be a five- to sixfold rise in turnover. This occurs as a result of investors engaging in increasing amounts of buying and selling, even for little trading rewards.

Fourth, the expense to the company of faulty deliveries, falsified share certificates, and ineffective back office work will be eliminated.

Not to mention, the depository system will drastically alter corporate democracy, especially in terms of company management, price discovery in the market, and proxy voting, among other things.

**6. CONCLUSION**

Trading software offers tools that support market analysis and trade execution for investors. The greatest software contains sophisticated tools for copy trading, technical analysis, and pattern identification, as well as automated robots. Moreover, cutting-edge software may automate order execution in accordance with selected methods and assist in identifying successful trading chances.

**7. FUTURE OPPORTUNITIES**

The future opportunities and scope of the project are:

* Ability for selling and buying of multiple stocks, as this version is uni-stock.
* Co-ordination with Bank account
* Online Database connectivity
* Password Encryption
* Analysis of previous stock price

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This project is come to existence guidance of Mr. Rahul Sharma, my programming skills, dedication and given references.

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