Advance Quantitative Analysis Tool With Live Stream

Vipeen Patidar [1], Ashok B P [2]
[1]**MCA Final Year , **[2]**Assistant Professor**
[1,2] **Department of MCA, The Oxford College Of Engineering**

Abstract : modern world investment is core for multiplying money, but the risk involved in investment in the stock market is very high so our application will help the investors in forecasting the price patterns by studding the history, price pattern, volumes etc. our application can help in detailed analysis of stocks, even the users can select the market of any country and any stock can be selected for the analysis. Application provides different chart types also so according to the analysis pattern the graphs can be selected. Users can use different types of indicators to study the graphs and stock patterns. One stock can be analyzed by different types to indicators. This product is for the examination expert in wealth Management Company's. This product makes it simple at the investigator to distinguish cost examples and business inclines in financial markets. It helps them to choose where their customers ought to contribute to get significant yields.Our application is a charting tool that has importance for any type of investor it can be the individual peoples or it can be trading companies. The companies wants to invest in long term wants a proper analysis and prediction tool and our application provides all the functions needed. Users can analyze a stock for any aspect like dividends, revenues, volumes, high and lows etc. Our application is very easy to use and the analysis window can be customized according to the need, many filter options like chart types, duration, watch list etc. users can manage the research according to their way.

1.INTRODUCTION

Security analysis is the analysis of trade able financial instruments called securities. These can be classified into debt securities, equities, or combination of the two. Elaborately futures contracts and trade able credit derivatives are sometimes included. The process of security analysis is divided into the fundamental analysis, which relies upon the examination of fundamental business factors such as financial statements, and technical analysis. Quantitative analysis may use indicators from both areas.

Wealth management as an investment-advisory discipline includes services like planning of financial, investment portfolio management and a number of financial services. High-net-worth individuals (HNWIs), small merchant owners calls wealth managers to dealing retail bank, estate plan, legal resources, tax professionals and management of investment. Wealth management is referred to being a high performance form of private bank for the client. In finance, **technical analysis** is a secure analysis used for forecasting the prices by the research of previous market data, primarily related with prices. Behavioral economics and quantitative analysis use same function tool of technical analysis, which, is an aspect of live management, stands in contradiction to new portfolio theory. Technical and fundamental analysis is argument by the successful

market idea which tells that the stock market prices are important unpredictable. While fundamental analysts examine much on the area of earnings, dividends, new products. Use of charts are employed by many technicians as one of the techniques. By the help of charts, technical analysts seeks price pattern and market trend in financially markets .

Technical analysts also widely use market indicators some of them add mathematical transformations of rate, often include up and down price, advance or non advance data. These indicates are helpful in accessing and determining whether an asset is trending or not? Technicians look for relations between prices and volumes indices along with market indicators. Other aspects of the study include correlations between changes in options and put/call ratios with price. The important are sentiment indicators like Put and Call ratios, bull and bear ratios, short interest etc.

But yet many of the traders combine elements from more than one relevant tricks . Some of the technical analysts uses subjective result to take decision which pattern is a individual instrument situation at a given period in reality.

Technical analysis is recently differenced with *fundamental analysis* that influence the way investor's price in the financial markets. Fundamental indicators uses subjects to the same limitations in generally. Some of traders uses technical or fundamental analysis, while other may use both combinations to make trading decisions.

2.Scope of the project

This product would be web based application designed and developed to target the customer who wants to make investment strategy by analyzing stocks. It helps them to decide where their clients should invest to get high returns. It helps the end user to invest properly with full analysis done with the help of standard formulas and with the help of accurate data monitoring.

- Trading strategy development
- Portfolio optimization
- advanced numerical techniques

- Risk management
- Credit analysis

3.Existing system- The existing system is associated with the carefully planning and portfolio construction, but previous performance never a surety for further results The most of the investment strategies can fail if given the proper circumstances are not suitable. Additionally and eventually the investment objectives can change over time. The existing system are very complicated and lacks multi analysis techniques and multi platform integration.

4.Proposed system- A portfolio analysis is being evaluated how our investment portfolio is being performed in terms of rates of returns and the risk. The analysis process can check underperformance assets and give guidance to where changes can be made to our investment goals in order to get benefit. Each separate investor has their own goals in terms of performance, regardless of strategies a regular analysis can be useful for any portfolio. Many important features included in the proposed system are Multi-window charting system, historical data, Customize your own indicators parameters, Data downloader that automatically download and update your data daily, Fibonacci retrenchments, Chart comparison tool etc

5.Module

Fundamental analysis

Application provides a live interactive charts with multiple live information like opening, high, low and closed price, volume details, live price charts, cursor information etc. even the charts can be made for the historical data for any type of historical trend analysis. Price data is updated every minute. Fibonacci retrenchments can be made to check resistance and support levels.

• Live price charts

•Portfolio Tracking

• Multiple Indicators are available for the technical analysis

• Different charts to select from

• Watch list

• Real-time Intraday analysis

Module

Quantitative analysis

The improvement methodology is accomplished through the calibrating of the related specialized investigation diagraming parameters. Regularly specialized investigation pointers have a scope of parameters that can be balanced, for example, the interim period and the specialized analysis indicator variables.

Application empowers brokers to test specialized investigation venture timing systems against chronicled value development for one or more particular securities. Techniques are contrasted with one another utilizing assorted execution estimations, for example, greatest drawdown, and yearly benefit and Sharpe proportion. The goal is to attempt and add to an exchanging procedure taking into account specialized investigation marker criteria, which will create a positive return.

- Different price scales to select from

6. Future Enhancements

With rapid and advances in this competitive trading environment it is difficult to predict how business will improve and expand in the coming years. Though we have some advance plans for the future enhancements in the current project.

- We can implement practice mode so that new or basic users can have a full idea of

investment manager tool, it will help user to be comfortable with the tool.

- We can implement investment analysis options in the application for more flexible use.

- Automatic updates will be made

- Portfolio/stock details organizer

- Stock tracking list

- calculator

- comparison between stocks can be made

- Color customization is possible

- Print option

- historical data can be saved

- charts can be managed in multiple frames

- indicators list is integrated so that the user can use it

- Indicator customization is possible.

- highlight and drawing tool for records management

- charts can be zoomed or seen on the full scale also

7.Conclusion

- Application show historical and latest prices for publicly trading companies. Prices shows trades which is made by stock market when they purchase and sell their shares.

8.References

1. Mr. Dharamvir. " A Simple Approach on Image Authentication Watermarking " *International Journal of*

Computer Applications Volume 67 Number 11:, April 2013. Published by Foundation of Computer Science, New York, USA ISBN : 973-93-80874-67-5 . Pg:19-22 ,http://research.ijcaonline.org/volume67/number11/pxc3886851.pdf

2. Mr. Dharamvir. "Morphological Detection in Images". *IJCA Proceedings on International Conference on Current Trends in Advanced Computing ICCTAC 2013* ICCTAC:20-25, June 2013. Published by Foundation of Computer Science, New York, USA. http://www.ijcaonline.org/proceedings/icctac/number1/12265-1307

3.http://android-developers.blogspot.com/2015/03/a-new-reference-app-for-multi-device.html

4.http://www.pcmag.com/article2/0,2817,2403174,00.asp