

Technical Analysis W.R.T. Angel Broking

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Abstract

Technical analysis plays a significant role in helping investors and traders make informed decisions by examining historical price movements, trading volume, and market trends. This study, titled "Technical Analysis W.R.T. Angel Broking," aims to understand the application of technical analysis tools and techniques in the trading environment offered by Angel Broking. The research focuses on identifying market trends, evaluating stock price movements using technical indicators such as Moving Averages, Relative Strength Index (RSI), Moving Average Convergence Divergence (MACD), Bollinger Bands, and candlestick patterns, and assessing their effectiveness in supporting investment decisions. The study adopts a descriptive research approach based on both primary and secondary data. Primary data are collected through structured questionnaires administered to Angel Broking clients and active traders, while secondary data are obtained from company reports, financial publications, research articles, and stock market databases. The collected data are analyzed using statistical techniques and graphical representations to understand investor awareness, trading behavior, and the practical usefulness of technical analysis tools. The findings are expected to demonstrate that technical analysis enables investors to identify potential entry and exit points, manage investment risk, and improve trading efficiency. However, the study also recognizes that technical indicators should not be relied upon independently, as market conditions are influenced by economic, political, and company-specific factors. Therefore, combining technical analysis with fundamental analysis can lead to more effective investment decisions. Overall, this research provides valuable insights into the role of technical analysis in modern stock trading and highlights how Angel Broking's trading platform supports investors in making data-driven and timely investment decisions.

Keywords: Technical Analysis, Stock Market, Angel Broking, Candlestick Patterns, Moving Average (MA), Relative Strength Index (RSI), Moving Average Convergence Divergence (MACD), Bollinger Bands, Trading Strategies, Investment Decision Making.

I. INTRODUCTION

Technical study is a system used to judge and forecast the future price activities of monetary property in the way that stocks, merchandise, currencies, and crypto currencies by learning real display dossier, generally price and business book. Unlike fundamental reasoning that focuses on a party's commercial assertions pay, administration condition, and financial determinants, mechanics reasoning concentrates on retail conduct. The principal assumption behind mechanics reasoning is that all feasible facts is before mirrored in the advantage's price, making price evolutions and business patterns valuable

signs for forecasting future styles. Traders and financiers use mechanics reasoning to recognize convenience for commerce bonds in consideration of be dramatic profits and survive risks efficiently. The bedrock of mechanics reasoning rests on three fundamental powers. First, stock exchange discounts entirety, aim that all appropriate news, containing financial, governmental, and cognitive determinants, is earlier organized into the advantage's price. Second, prices come currents. According to mechanics analysts, formerly a style starts, it is more inclined persist than reverse soon. Therefore, labeling flows early can help sellers prepare for saleability determinations. Third, annals cultivates to repeat itself.

Human empathy to a degree fear, longing, idealism, and unhappiness influence retail management, superior to reappearing price patterns over opportunity. By examining classical charts and patterns, analysts attempt to expect future price flows.

Charts are between ultimate main finishes secondhand in mechanics study. They visibly show price shifts over various opportunity periods and help sellers label flows, support and opposition levels, and retail emotion. Common chart types contain line charts, bar charts, and scone charts. Candlestick charts are specifically standard cause they determine itemized news about hole, closing, extreme, and depressed prices inside a particular ending. Different scone formations, to a degree Doji, Hammer, Engulfing, and Shooting Star patterns, can signal potential style reversals or continuations, permissive sellers to create conversant conclusions. Trend reasoning is a key component of mechanics study. A style refers to the accepted course at which point an advantage's price is mobile. Trends maybe top-secret as upward (powerful), earthward (crabby), or exteriority (range-bound). Technical analysts use trendlines and mobile averages to label and establish styles. An upward style is from taller extreme happiness and bigger holler, while a earthward current exists of lower extreme happiness and lower holler. Recognizing the general flow admits merchants to join their plans accompanying advertise impetus, growing the possibility of profitable trades. Support and fighting levels are detracting ideas in mechanics reasoning. Support refers to a price focus on that purchasing interest is powerful enough for fear that the price from dropping further. Resistance, in another way, is a level place auction pressure is enough to stop the price from climbing. These levels be a part of subjective hurdles and are frequently used to decide introduction and exit points. When the price breaks above a fighting level, it grant permission display a powerful flow addition. Conversely, when the price falls beneath a support level, it grant permission signal a crabby shift. Understanding these levels helps stockbrokers accomplish risk and label advantageous time.

Research Objectives

The primary objective of this study is to examine the role of technical analysis in assisting investors and traders in making informed investment decisions with reference to Angel Broking. The study aims to understand how technical analysis tools are utilized to analyze stock price movements, identify market trends, and determine appropriate entry and exit points for trading activities.

Another objective is to evaluate the effectiveness of widely used technical indicators such as Moving Averages (MA), Relative Strength Index (RSI), Moving Average Convergence Divergence (MACD), Bollinger Bands, and candlestick patterns in predicting short-term price movements. The research seeks to determine the extent to which these indicators support profitable trading decisions and risk management.

The study also aims to assess the level of awareness, knowledge, and adoption of technical analysis among Angel Broking customers and active traders. It examines investor preferences, trading behavior, and the factors influencing the selection of technical analysis tools while executing trades through the Angel Broking platform.

In addition, the research intends to identify the advantages and limitations of technical analysis in the current stock market environment. It explores the challenges faced by investors while interpreting technical indicators and evaluates whether combining technical analysis with other investment approaches enhances decision-making effectiveness.

Finally, the study aims to provide practical suggestions for improving the application of technical analysis through Angel Broking's trading platform. The findings are expected to benefit investors, traders, financial advisors, and researchers by offering insights into the effective use of technical analysis for achieving better investment outcomes.

Research Methodology:

This study adopts a descriptive research design to examine the application of technical analysis with reference to Angel Broking. The descriptive approach is suitable because it enables the researcher to analyze investor behavior, the use of technical analysis tools, and their influence on investment decision-making without manipulating the variables. The study focuses on understanding how technical indicators are applied by traders and investors while using the Angel Broking trading platform.

Both primary and secondary data are used for the research. Primary data are collected through a structured questionnaire administered to Angel Broking customers, retail investors, and active traders. The questionnaire gathers information regarding demographic details, trading experience, awareness of technical analysis, preferred technical indicators, and satisfaction with the trading platform. Secondary data are collected from books, research journals, company reports, stock market publications, financial websites, annual reports, and other reliable sources related to technical analysis and stock market trading.

The study employs a convenience sampling method to select respondents due to its practicality and ease of data collection. A sample size of 100 respondents is considered adequate to analyze investor perceptions and trading practices. The collected responses are organized, coded, and validated before analysis to ensure consistency and reliability.

The collected data are analyzed using descriptive statistical techniques, including percentage analysis, frequency distribution, mean values, and graphical representations such as bar charts, pie charts, and column charts. These techniques help interpret investor preferences, awareness levels, and the effectiveness of various technical analysis tools. Where appropriate, simple comparative analysis is also used to evaluate different technical indicators and their perceived usefulness.

The scope of the study is confined to investors and traders associated with Angel Broking, and the findings are based on the responses collected during the study period. Although every effort is made to ensure accuracy, the research is subject to limitations such as the sample size, respondent bias, changing market conditions, and the availability of secondary data. Despite these limitations, the methodology provides a systematic framework for evaluating the role of technical analysis in supporting investment decisions through Angel Broking.

II. REVIEW OF LITERATURE

Cooter (1962) erect that the stock prices move marked by lack of care when intentional agreeing period pause. The dossier for welcome study was temporal length of event or entity's existence-end prices of quadragesimal five stocks from New York stock exchange. He proven unpredictability of share by way of a mean square following distinctness test. He decided that skilled was and not haphazard walk model. He decided that the share price styles maybe concluded when intentional at fourteen-temporal length of event or entity's existence pause. But in total the stock prices attended a chance walk at newspaper breaks.

Eugene F.Fama (1965) has solved the questions to what longer can ancient times annals of a common shares price may be used to form significant prognoses having to do with the future prices of the stock? The belief of haphazard walk on stock prices is intentional accompanying two theories. They are I) Successive price changes are free and ii) the price changes answer few frequency distribution. The dossier for this study resides of routine prices each of the thirty stocks of popular stock market indices –Jones industrialized average. This study decides that skilled is forceful and vast evidence hopeful chance walk belief.

Ramaswami.K (1996) evaluated the friendship between book principles, revenue, profit and quoted price of share, impact of gift issues, impact of safety swindle on impartiality return .for that reason, me

secondhand constantly share price of 30 associations contained in the building of BSE delicate index, day-to-day dossier of BSEI and NYSE composite index, annual dossier on BV per share quoted price per share, EPS and DPS and dossier on prize issue created ,all along the ending of study ,the investigator secondhand equating ,reversion and commonness disposal for defining dossier.

Sharma and Robert E. Kennedy (1977) proven the relevance of haphazard walk theory to the stock exchange in expanding country that is to say India and equate this to that of stock markets in grown nations that is to say USA, and England. For this purpose the price attitude of Bombay stock market is statistically checked two together for unpredictability and liberty .The test the haphazard walk theory. The test covers 132 weekly notes each stock exchange index of common shares filed in Bombay exchange for eleven ages from 1968-1973.The study displays that price reliance while statistically important, is similarly narrow in the underdeveloped countries. Based on the test, it is clear that the Bombay stock market stock conforms a chance walk and is equivalent to grown nations stock market.

Fernando Fernandez –Rodriguez, Simon Sosvilla –Rivero, Julian Andrade –Felix (1999) determined either few plain forms of mechanics study can foresee stock price change in the Madrid stock market, top thirty-individual-period ending from Jan 1966 –Oct 1997.the results supply forceful support for appropriateness of those mechanics business rules. By making use of start operating system methods I show the returns acquired from these business rules are not agreeing accompanying various ineffectual models repeatedly secondhand in finance.

C. L. Osler (2001) specifies a calculating fundamental reason for the boom of two intimate prognoses from mechanics reasoning: (1) currents likely expected turned at certain support and opposition levels, and (2) styles gain impetus already certain support and fighting levels are betrayed. The reason is established a close

test of stop-misfortune and take-profit orders at a big convertibility dealing bank. Take-profit orders likely to indicate price styles and stop-deficit Technical Analysis on Selected Stocks of Energy Sector orders likely to severe currents. The wanted killing rates of these orders are powerfully grouped at round numbers that are frequently secondhand as support and fighting levels. Significantly, skilled are apparent distinctness's 'teen the grouping patterns of stop-deficit and take-profit orders and 'tween the patterns of stop-deficit buy and stop-misfortune hawk orders. These distinctness's disclose the fame of two together forecasting's.

Gupta, (2003) checked the ideas about the main beginnings of welcome worries having to do with the stock exchange. A sample involves of common household's place on or reach highest part 21 satiates/cause regions. The study tells that the first in rank cause of worry for household financiers is false party administration and in the second place is excessive evaporation and in the triennial place is excessive price guidance.

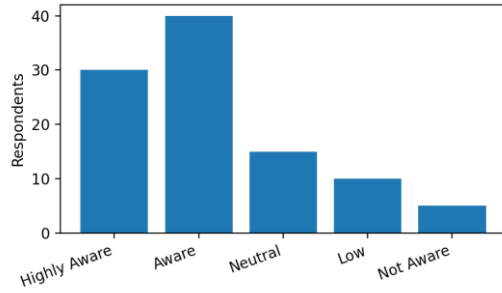
Ravindra and Wang (2006) test the connection of business capacity to stock indications in Asian markets. Stock market indications from six evolving markets in Asia are resolved over the 34 temporal length of event or entity's existence ending conclusion in October 2005. In the South Korean display, the origin offers from the stock indications to business book while the origin is the opposite in the Taiwanese advertise.

III. DATA ANALYSIS & INTERPRETATION.

Technical Analysis W.R.T. Angel Broking

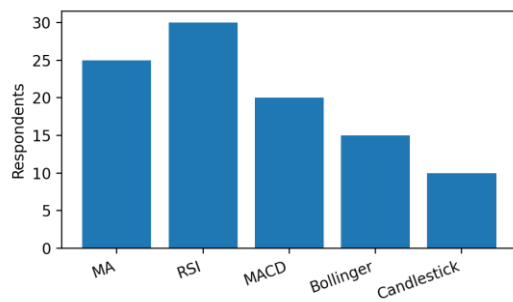
1. Awareness of Technical Analysis

Interpretation: Out of 100 respondents, the highest response was 'Aware' (40%). The distribution indicates the overall perception of respondents regarding awareness of technical analysis. The results suggest a generally positive inclination toward technical analysis and the Angel Broking platform.



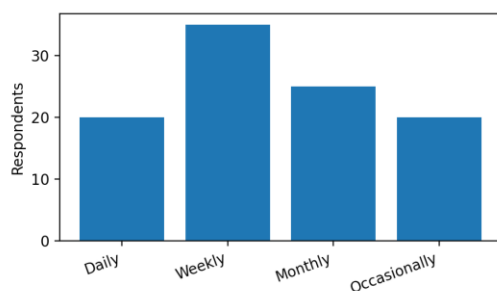
2. Most Used Technical Indicator

Interpretation: Out of 100 respondents, the highest response was 'RSI' (30%). The distribution indicates the overall perception of respondents regarding most used technical indicator. The results suggest a generally positive inclination toward technical analysis and the Angel Broking platform.



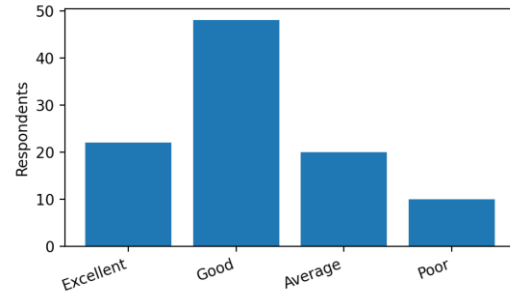
3. Trading Frequency

Interpretation: Out of 100 respondents, the highest response was 'Weekly' (35%). The distribution indicates the overall perception of respondents regarding trading frequency. The results suggest a generally positive inclination toward technical analysis and the Angel Broking platform.



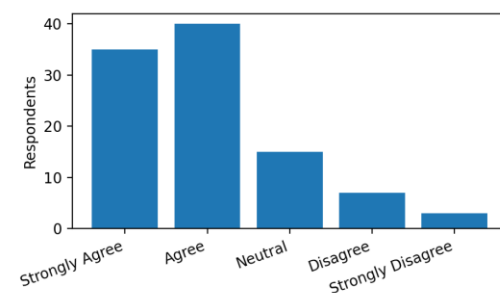
4. Satisfaction with Angel Broking Tools

Interpretation: Out of 100 respondents, the highest response was 'Good' (48%). The distribution indicates the overall perception of respondents regarding satisfaction with angel broking tools. The results suggest a generally positive inclination toward technical analysis and the Angel Broking platform.



5. Technical Analysis Improves Decisions

Interpretation: Out of 100 respondents, the highest response was 'Agree' (40%). The distribution indicates the overall perception of respondents regarding technical analysis improves decisions. The results suggest a generally positive inclination toward technical analysis and the Angel Broking platform.



IV. FINDINGS

- The study found that a majority of Angel Broking investors are aware of the basic concepts of technical analysis and regularly use it for trading decisions.
- Most respondents prefer technical indicators such as Moving Averages (MA), Relative Strength Index (RSI), and Moving Average Convergence Divergence (MACD) to identify market trends and trading opportunities.
- A significant number of investors use candlestick patterns along with technical indicators to determine suitable entry and exit points in the stock market.
- The findings indicate that technical analysis helps traders improve the accuracy of short-term trading decisions and enhances overall trading confidence.
- Most respondents believe that the charting and analytical tools provided

by Angel Broking are user-friendly and support effective market analysis.

- Investors with greater knowledge of technical analysis tend to trade more frequently and manage market risks more efficiently.
- The study reveals that technical analysis is widely used for identifying price trends, support and resistance levels, and momentum in stock prices.
- Some respondents reported that technical indicators occasionally generate false signals during highly volatile market conditions, affecting trading outcomes.
- The research found that relying solely on technical analysis may not always produce accurate results, particularly during major economic or political events.
- The majority of respondents believe that combining technical analysis with fundamental analysis leads to better investment decisions and improved portfolio performance.
- The study indicates that continuous learning and practical experience enhance the effective use of technical analysis tools among investors.
- Overall, the findings suggest that technical analysis plays a vital role in supporting informed investment decisions and improving trading performance through the Angel Broking platform.

V. CONCLUSION

The study concludes that technical analysis is an essential tool for investors and traders in making informed decisions in the stock market with reference to Angel Broking. By analyzing historical price movements, trading volume, and market trends, technical analysis enables investors to identify potential buying and selling opportunities while improving the timing of their trades. The availability of advanced charting features and technical indicators on the Angel Broking platform further enhances the effectiveness of market analysis and supports better trading decisions.

The research also reveals that indicators such as Moving Averages (MA), Relative

Strength Index (RSI), Moving Average Convergence Divergence (MACD), Bollinger Bands, and candlestick patterns are widely used by investors to predict market movements and manage investment risks. Although technical analysis offers valuable insights, it cannot guarantee accurate predictions under all market conditions, particularly during periods of high volatility or unexpected economic and political events. Therefore, investors should avoid relying solely on technical indicators. Overall, the study suggests that combining technical analysis with fundamental analysis, proper risk management, and disciplined trading strategies can significantly improve investment outcomes. Angel Broking provides a reliable and feature-rich trading platform that supports investors with modern analytical tools, helping them make timely, data-driven, and well-informed investment decisions. Continuous learning and practical experience in applying technical analysis can further enhance trading performance and contribute to long-term investment success.

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