

Arbitrage & Algo Trading Module

Description

Algorithmic Trading or High-Frequency Trading is one of the most rewarding careers making its way in the finance industry. The financial markets are going through a transformation after the allowance of quantitative & algorithmic trading.

Algorithmic Trading is the platform where ideas are curved into models and then placed into the computer software for organized trading. Algo Trading refers to any kind of trading involving advanced algorithms or programmed systems to automate all or a few parts of the trade cycle. This generally involves learning, dynamic planning, reasoning, and decision-making.

Global financial giants rely heavily on automated trading for optimal fund management in the country, and an increasing number of domestic traders are taking up this format, which is internationally popular. The augmented market fragmentation and expansion of cross-asset trading are laying the foundation for the upcoming generation of trading.

Highlights

This module will help participants to take advantage of arbitrage & algo trading in an effective manner. Arbitrage & algo trading module provides a systematic approach to active trading with a reduced probability of human errors based on emotional and psychological factors. The module is developed by market experts that enable all the participants to gain real-time and practical knowledge on arbitrage & algo trading.

Content

- Features Of Algo Trading
- Advantage Of Algo Trading

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- Basic Terms Used In Algo Trading
 - Basic Trading in Algo Market
 - Futures & Options
 - Greeks
 - Payoffs of Derivatives
 - Clearing & Settlement
 - Trading Strategies
 - Interexchange Markets
 - Cash to Futures
 - Futures to Cash
 - Futures To Futures
 - Overview of Currency Markets
 - Overview of Commodity Markets
 - Equity Derivative Hedging
 - Calendar Spread Hedging
 - Live Software Understanding and Trading
 - Strategies:
 1. Put-Call Parity
 2. Protective Put
 3. Covered Call
 4. Delta Hedging
 5. Volatility Trading
 6. Conversion/Reversal
 7. Butterfly
 8. Ratio Trading
 9. Straddle
 10. Strangle
 11. Collar
 12. Bull call spread strategy
 13. Bull put spread strategy
 14. Bear call spread
 15. Bear put spread
 16. Long call condor
 17. Short call condor
 18. Delta hedging

19. Delta neutral
20. Implied volatility
21. Jelly
22. Live Intraday Money making techniques
23. Positional Money making Techniques with arbitrage

➤ Chart Patterns:

1. Ascending Triangle
2. Descending Triangle
3. Symmetrical Triangle
4. Flag or Pennants
5. Head & Shoulder
6. Rising And Falling Wedges
7. Cup & Handle
8. Double Top and Double Bottom

➤ Technical Indicators:

1. Simple Moving Average
2. Exponential Moving Average
3. Moving Average Convergence Divergence
4. Bollinger Bands
5. Stochastic Oscillator

➤ Quantitative Models:

1. Black-Scholes Model
2. Binomial Model
3. Arch Model
4. Garch Model

➤ Real-Time Trading:

1. Strategy + Technical Indicators

2. Quant-Based Trading
3. Volatility Trading

Objective

- To execute the trade at the best possible prices.
- To mint profits at very low-risk exposure.
- To place trade orders instantly and accurately with automated checks on multiple market conditions.
- To make safe and swift trades.
- To trade with reduced transaction costs.
- To decrease the risk of human mistakes/manual errors.

Benefits

- Learn the concepts of high-frequency trading (HFT) with easy and simple investing methods.
- Learn two domains of Algo Trading - Strategic and Code Development.
- Understand the concept of hedged trading.
- Learn the use of premium software used for Algo trading.
- Automate trading in no time.
- Live arbitrage and algo trading software.
- Real-time hands-on practice and demonstration of simulated trading environment.
- Imbibe the perfect trading techniques.
- Become a skilled arbitrageur with knowledge of technical analysis.
- Live case studies and projects.