

Algo trading with Automation & AI for stock and commodities exchange

Two-day workshop: **Jan 24th and 25th 2026**
Deep Dive, Plaza Avenida, New Town, Kolkata

Algo trading with Automation & AI for stock and commodities exchange

2 days / 14 hours

Business opportunity for learners

Offer freelancing digitization services to traders. Safe trading for self.



Scope

- This program covers algorithmic trading, encompassing technical analysis of the stock market, utilization of API services, implementation of safety checks, and adherence to established trading policies.



Methodology

- Classroom training
- Hands-on code samples
- Scheduled online follow-up sessions
- Query and knowledge assistance board for interaction



What You Will Learn

- Automate trading through APIs, including Tradeview, Zerodha, and Dhan.
- Develop algorithmic trading templates, incorporating essential checks and backtesting.
- Implement remote automation strategies in live market environments.



Criteria for Participation

- Must be 18 years of age or older.
- Requires intermediate proficiency in mathematics.
- Basic understanding of programming is necessary.

Course Syllabus: Algo Trading & Automation



Markets Basics

- Instruments (Equity/FNO/Commodities)
- Exchanges (NSE, MCX, GIFT)
- Trading types
- Rules and Regulations
- Trading and Investment types
- Funding and leverage.

60 min



Technical Analysis Fundamentals

- OHLC analysis
- Top Indicators (Top 3)
- Patterns Charts
- Day Trading Strategies (top3 only)
- Exchange fundamentals
- Leverage and margin management.

90 min



Market Data Sources

- Yahoo Finance
- Tradeview.

30 min



Python Basics

- Environment setup
- Using low cost cloud VM
- Python core modules
- Python data analysis libraries
- Python automation libraries.

180 min



Market Data API

- YFinance
- Tradeview.

60 min



Trading APIs - Zerodha

- API for data analysis
- API for trades
- Access token and authentication
- Fund and leverage management
- Stop loss and target calibration
- Error handling.

300 min



Trading Dhan - API

- Data API
- API semantic.

60 min



Trading safety and principles of control

- Exit strategies
- Shock absorption techniques
- Business potential

60 min