

ATHWORTH ACADEMY

Capital Market Course

Complete Curriculum | 12-Week Structured Learning

Fundamentals • Technical Analysis • Derivatives • Valuation • Strategy • Portfolio

12 Weeks

Intensive Programme

4 Certifications

NISM RA • NCFM TA •
Derivatives • CMDM

5 Days / Week

Mon–Fri + Special Saturdays

Expert Sessions

4–6 per Programme

Designed for:

Active investors managing their own funds
Finance professionals seeking structured market training
College students entering capital markets careers
Entrepreneurs and business owners reading markets for strategy

Programme Overview & Structure

Capital Market Course — Curriculum Architecture

The Capital Market Course is structured as a 12-week, Monday-to-Friday curriculum (5 sessions per week), with alternate Saturdays reserved for Mock Tests, Industry Expert Sessions, and special capstone events. The programme is sequenced deliberately — each block builds on the previous, culminating in a full valuation model and live portfolio.

Period	Module	Focus
Weeks 1–2	Foundation	Market structure, instruments, economic analysis, software
Week 3	Industry	Porter's Five Forces, PESTEL, SWOT, value chain, business cycles
Weeks 4–5	Company	Financial statements, ratio analysis, DCF, relative valuation
Week 6	Charts	Candlesticks, patterns, S&R;, Dow Theory, Elliott Wave
Week 7	Indicators	Classical indicators, SMC, Order Blocks, Fair Value Gaps
Week 8	Strategy	Trading strategies, risk management, trading psychology
Weeks 9–10	Derivatives	Futures, options, MCX commodities, hedging strategies
Weeks 11–12	Capstone	Valuation model build, portfolio construction, dashboard

Alternate Saturday Schedule

SAT A — Week 2	Industry Expert Session #1: Fund Manager / AMC Professional
SAT B — Week 3	Mock Test: Industry & Economic Analysis
SAT C — Week 5	Mock Test: NISM Research Analyst (RA) — Full Practice Paper
SAT D — Week 6	Industry Expert Session #2: Equity Research Analyst
SAT E — Week 7	Mock Test: NCFM Technical Analysis Module
SAT F — Week 8	Industry Expert Session #3: Prop Trader / Risk Manager
SAT G — Week 10	Mock Test: NISM/NCFM Derivatives — Combined Paper
SAT H — Week 12	Grand Finale: Capstone Showcase + Networking + Certificates

Week-by-Week Daily Curriculum

Week 1 Market Foundations & Basic Finance

How markets work — structure, participants, instruments and money flow

Monday	Financial markets: purpose, structure and ecosystem
Tuesday	NSE, BSE, MCX — exchange architecture and SEBI regulation
Wednesday	Asset classes: equities, bonds, commodities, derivatives, MFs
Thursday	How money flows: IPO to secondary market; DII vs FII
Friday	Demat & trading accounts; order types; settlement & clearing

Week 2 Software Classes + Economic Analysis + Economic Calendar

Platform mastery, macro-micro economics (Varian & Mankiw), and reading the economic calendar

Monday	Software class: charting platform orientation and workspace setup
Tuesday	Software class: data import, watchlists and alert configuration
Wednesday	Microeconomics for markets: demand-supply, elasticity, market equilibrium (Varian Ch 1-6)
Thursday	Macroeconomics for markets: GDP, inflation, interest rates, RBI policy (Mankiw Ch 1-5)
Friday	Economic calendar: reading releases — CPI, IIP, PMI, US Fed, RBI MPC impact mapping
SAT A	Industry Expert Session #1 — Fund Manager / AMC Professional (Live Q&A;)

Week 3 Industry Analysis

Mastering analytical frameworks: Porter's Five Forces, PESTEL, SWOT, Value Chain, Business Cycles and industry metrics

Monday	Porter's Five Forces: competitive intensity mapping for any Indian sector
Tuesday	PESTEL Analysis: macro environment scanning with sector case studies
Wednesday	SWOT Analysis + Value Chain Analysis: applied to listed Indian companies
Thursday	Business cycle analysis: how industries behave across expansion, peak, contraction, trough
Friday	Industry-specific metrics: banks (NIM, GNPA), IT (utilisation, deal wins), FMCG (volume growth), metals (realisation/tonne)
SAT B	MOCK TEST: Industry & Economic Analysis Concepts

Week 4 Company Analysis — Part I (Business Understanding & Ratio Analysis)

Reading financial statements, calculating and interpreting key ratios (NISM RA + CFA curriculum)

Monday	Business model analysis: revenue drivers, cost structure, competitive moat
Tuesday	Financial statements deep dive: P&L, Balance Sheet, Cash Flow — line by line
Wednesday	Profitability ratios: Gross Margin, EBITDA Margin, PAT Margin, ROE, ROCE
Thursday	Liquidity & solvency ratios: Current Ratio, Quick Ratio, Debt-to-Equity, Interest Coverage
Friday	Efficiency & valuation multiples: Asset Turnover, Inventory Days, PE, PB, EV/EBITDA, EV/Sales

Week 5 Company Analysis — Part II (Ratio Application & Valuation Models)

Applied ratio analysis across sectors; DCF, relative valuation and sector-specific models (NISM RA + CFA)

Monday	Ratio application: cross-sectional comparison — peer benchmarking across Nifty 50 sectors
Tuesday	Ratio application: time-series analysis — detecting quality deterioration early
Wednesday	Valuation model: Discounted Cash Flow (DCF) — FCF projection, WACC, terminal value in Excel
Thursday	Relative valuation: PE comparables, EV/EBITDA, sector-specific multiples — when to use each
Friday	Reverse DCF + Dividend Discount Model (DDM); reading and deconstructing a sell-side research report

SAT C MOCK TEST: NISM Research Analyst (RA) — Full Syllabus Practice Paper

Week 6 Technical Analysis — Reading Charts

Candlesticks, patterns, S&R, trend analysis, Dow Theory and Elliott Wave Theory

Monday	Candlestick basics: OHLC anatomy, Doji, Hammer, Marubozu, Spinning Top
Tuesday	Candlestick patterns: Engulfing, Morning/Evening Star, Shooting Star, Harami
Wednesday	Support, Resistance, Trend lines: drawing correctly, role reversal concept
Thursday	Chart patterns: Head & Shoulders, Double Top/Bottom, Triangles, Flags, Wedges, Cup & Handle
Friday	Dow Theory (6 tenets) and introduction to Elliott Wave Theory: impulse and corrective waves

SAT D Industry Expert Session #2 — Equity Research Analyst / Portfolio Manager

Week 7 Indicators, Smart Money Concepts (SMC), OB & FVG

Classical indicators + institutional trading concepts: Order Blocks, Fair Value Gaps, Smart Money

Monday	Trend indicators: Moving Averages (SMA, EMA), Golden Cross, Death Cross, VWAP
Tuesday	Momentum indicators: RSI, MACD — signals, divergence and practical application
Wednesday	Volume indicators: OBV, Volume Profile, POC, VAH, VAL — real S&R; vs price S&R;
Thursday	Smart Money Concepts (SMC): market structure, Break of Structure (BOS), Change of Character (CHoCH)

Friday Order Blocks (OB) and Fair Value Gaps (FVG): identification, validation and trade setup rules

SAT E **MOCK TEST: NCFM Technical Analysis Module — Full Practice Paper**

Week 8 Trading Strategies & Risk Management

Building rules-based strategies, position sizing, portfolio protection and trading psychology

Monday Strategy design framework: universe, signal, filter, execution, review — writing your rulebook

Tuesday Intraday strategies: Opening Range Breakout (ORB), OB+FVG confluence, multi-timeframe setups

Wednesday Swing and positional strategies: trend-following, mean-reversion, sector-rotation approaches

Thursday Risk management: 1-2% rule, position sizing, Kelly Criterion, drawdown math, portfolio heat

Friday Trading psychology: loss aversion, FOMO, revenge trading — journaling and process-based thinking

SAT F **Industry Expert Session #3 — Prop Trader / Risk Manager**

Weeks 9–10 Derivatives — Futures, Options & MCX (P2 Module)

Complete derivatives curriculum with basics and advanced application; MCX commodities integration

Week 9 Mon Derivatives overview: forwards, futures, options, swaps — purpose and participants

Week 9 Tue Futures mechanics: lot size, margin types (SPAN, Exposure), basis, rollover, P&L; calculation

Week 9 Wed MCX futures: Gold, Silver, Crude Oil, Natural Gas — contract specs, price drivers, seasonal patterns

Week 9 Thu Options fundamentals: Call, Put, premium, intrinsic vs time value, option chain reading

Week 9 Fri Options Greeks: Delta, Gamma, Theta, Vega — intuition and practical use (not just formulas)

Week 10 Mon Options strategies I: Covered Call, Cash-Secured Put, Bull/Bear Spreads — P&L; diagrams

Week 10 Tue Options strategies II: Iron Condor, Straddle, Strangle — when to use each around events

Week 10 Wed Implied Volatility (IV): IV vs HV, rich vs cheap options, India VIX and market sentiment

Week 10 Thu Hedging portfolio with index futures and options — real-world portfolio protection strategies

Week 10 Fri Combining derivatives with fundamental and technical analysis — integrated trade framework

SAT G **MOCK TEST: NISM Derivatives & NCFM Derivatives Module — Combined Practice Paper**

Week 11 **(First Half)** Capstone — Valuation Model Build

Full 3-statement financial model from scratch; DCF to intrinsic value; professional presentation

Day 1 3-statement model: building integrated P&L; + Balance Sheet + Cash Flow in Excel from raw data

Day 2	Revenue forecasting: segment-wise projection; COGS and operating expense modelling
Day 3	DCF: WACC calculation, 5-year FCF projection, terminal value, sensitivity table
Day 4	Relative valuation: building peer comparison table, deriving blended target price
Day 5	Investment thesis: one-page research note — recommendation, catalysts, risks

**Week 11
(Second
Half) –
Week 12**

Capstone — Portfolio Construction & Dashboard

Building a multi-asset portfolio; constructing a performance dashboard; final presentations

Day 1	Portfolio theory: diversification, correlation, risk-adjusted return (Sharpe, Sortino, Calmar)
Day 2	Portfolio construction: stock selection criteria, allocation framework, core-satellite approach
Day 3	Dashboard build: portfolio tracker with return attribution, drawdown chart and sector exposure
Day 4	Integration: merging valuation model + portfolio data into a unified decision framework
Day 5	Final Capstone Presentation: each student presents their complete investment thesis and portfolio

SAT H GRAND FINALE: Capstone Showcase + Certificates + Industry Networking Event

AI in Trading — Integrated Throughout

- AI tools for market research and financial statement analysis are introduced in Week 2 and integrated progressively
- Weeks 4–5: AI-assisted ratio screening and valuation cross-checks
- Weeks 7–8: AI-powered strategy review and trade journaling
- Weeks 11–12: Building an AI-assisted research and portfolio monitoring workflow
- No prior coding experience required; tools are used through prompt engineering and no-code interfaces

ATHWORTH ACADEMY

Where Market Knowledge Becomes Market Edge

About the Programme

Athworth Academy's Capital Market Course is a 12-week, practitioner-designed curriculum that takes a student from foundational finance to professional-grade analytical skills. The programme uniquely integrates academic rigour — drawing from Varian's Intermediate Microeconomics, Mankiw's Macroeconomics, NISM Research Analyst, and CFA-level valuation frameworks — with applied market training in technical analysis, derivatives, risk management and portfolio construction. Students graduate with the analytical vocabulary, practical tools and national certifications needed to participate confidently in Indian financial markets.

Academic Rigour	Practical Depth	Industry Access
<ul style="list-style-type: none"> • NISM RA, NCFM TA, Derivatives & CMDM certified curriculum • CFA-level valuation models • Varian Microeconomics + Mankiw Macroeconomics • SEBI-compliant research methodology 	<ul style="list-style-type: none"> • Full DCF model built in Excel • Portfolio tracker and performance dashboard • Order Block, FVG and SMC trade setups • Weekly backtesting and strategy review 	<ul style="list-style-type: none"> • 4–6 expert sessions per batch • Fund managers, analysts, AMC professionals • Mock tests for national certifications • Capstone showcase and networking event

Who Should Enrol

Professionals & Fund Managers	Finance professionals, CA/MBA candidates, and self-directed investors who want to actively manage their capital with institutional-grade analytical frameworks.
College Students & Fresh Graduates	Students from finance, economics and commerce backgrounds preparing for a career in equity research, portfolio management, investment banking or trading.
Business Owners & Entrepreneurs	Founders and executives who want to read markets, understand macro cycles, and make informed capital allocation decisions for their personal and business portfolios.

National Certifications Included

NISM Series XV — Research Analyst (RA)	Covered across Weeks 3–5. Mock test in Week 5. Nationally recognised SEBI-mandated certification.
NCFM Technical Analysis Module	Covered across Weeks 6–7. Mock test in Week 7. NSE-certified technical analysis credential.

NISM Series VIII — Equity Derivatives

Covered across Weeks 9–10. Mock test in Week 10. Essential for F&O; and derivatives trading.

NCFM Capital Markets Dealers Module (CMDM)

Integrated throughout Weeks 1–3. Foundational certification for capital markets professionals.

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