



TECHNICAL ANALYSIS ENGINEERING

Spotlight on more than 100 indicators, studies & concepts

With live market Technical Analysis sessions and demonstration on how to set up a trading system



■ KNOWLEDGE *for* MARKETS™ ■

A Financial Technologies Group Initiative

Financial Technologies Knowledge Management Company Limited (FTKMC) is a leading provider of solutions and services in the realm of financial sector knowledge. **Knowledge for Markets** is the flagship platform of FTKMC. FTKMC develops strategies and solutions in knowledge management across all the major asset markets and segments, including equities, commodities, currencies, bonds, debt, banking, and financial services. Its range of services includes financial education and training, certification, consultancy, research and publications, and advisory.

The focus of FTKMC is centered around **six major** constituencies:

- **Policy and key decision makers and regulatory authorities** on subjects such as growing importance of financial markets in the economy and aspects of governance and management
- **Financial institutions** on market development strategies, resource mobilization and risk management
- **Corporates and other business entities** on the scope of harnessing and accessing financial markets and issuing securities and other instruments
- **Intermediaries** on the skill-sets and expertise required to operate in multi-asset-class markets, including trading and settlement
- **Students** to prepare them with knowledge and know-how to help them with successful careers in financial markets
- **Investors** to empower them with proper understanding and appreciation of the opportunities in the financial markets and risk and rewards associated with financial investments





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OVERVIEW

In the fast-paced world of financial markets, it is important to develop domain knowledge expertise in quantitative and qualitative analytical skills. Increasing volatility across global markets has necessitated a multidimensional approach for understanding the importance of Technical Analysis for predicting market movements.

Given the current market scenario and dynamism, Technical Analysis has attracted attention more than ever before. The concepts are multi-fold and are applicable across all financial markets: equities, fixed income, currencies, futures, and options— domestic or global. Technical Analysis offers a concrete understanding of how to chart market movements and benefit from forecasting the same.

In view of this, FTKMC presents a comprehensive programme on Technical Analysis for analysts, dealers, traders, consultants, and other market practitioners. The course provides an opportunity to understand Chart tools, techniques and philosophy along with their effective usages. The programme will equip participants with advanced skills in technical indicator, oscillators and studies.

About Technical Analysis

The importance of Technical Analysis is five-fold. While Fundamental Analysis helps in gauging the demand-supply situations, price earnings ratios, economic statistics, and so forth, there is no psychological component involved in such analysis. Yet, many a time, the markets are influenced, to a major extent, by emotionalism. An ounce of emotion can be worth a pound of facts.

Technical Analysis is security analysis for forecasting the future direction of prices through the study of past market data, primarily price and volume. The basic assumption behind Technical Analysis is 'History Keeps Repeating Itself', which attempts to understand the emotions in the market by studying the market itself.

Programme Objective

The programme aims to enable the professionals to understand the advanced concepts of Charting. The programme is designed to impart knowledge to the participants so as to get a comprehensive understanding of charting tools and techniques. The programme will help participants develop their domain knowledge expertise in the area of advance Technical Analysis and its mechanics.







Useful Charting Techniques

The constructive Charting techniques that are broadly covered under this programme are:

- Understanding the leading and lagging indicators and their usage
- Reading the Chart patterns /Chart reading exercise
- Combining Charting tools and techniques
- Effective use of Oscillators, Indicators, and Studies

Programme Content

- **History of Technical Analysis & Dow Theory**
 - Philosophy, History, uses of Technical Analysis, elements of Dow Theory & its assumptions
- **Technical Analysis applications & their use**
 - Metastock, ODIN™, TickerPlant, etc.
- **Chart Construction & their Types**
 - Bar charts, Point and figure charts, Japanese candlestick chart, Line, Candle Volume & Heikin Ashi
- **Trend lines**
 - Trend Lines, Channels, How to draw correct short-term, medium-term, and long-term trend lines. Trend Channels. Return lines and internal trend lines Support & Resistance, Unconventional but useful trend lines. Acceleration, trend characteristics & the various chart points and facets that can act as support & resistances
- **Line tools**
 - Linear regression, Raff regression channels, Standard error channels, Equidistant Channel Line, Trendline by angles & Andrews' Pitchfork
- **Consolidation & correction**
 - How and why it occurs. Breakouts and how to recognize them.
- **Chart patterns**
 - Double Tops and Bottoms, Triple Tops and Bottoms, Head and Shoulder, Inverted Head and Shoulder, Systematical Triangles, Ascending Triangles, Descending Triangles, Rectangles, Rising Wedge, Falling Wedge, Diamonds, Flags, Pennants, Cup, Handle, Broadening Pattern, broadening triangle.
- **Indicators & oscillators on price & volume**
 - Accumulation/Distribution, Aroon, Average Directional Movement, Average True Range, Bollinger Bands, CCI (Commodity Channel Index), Correlation Analysis, Directional Movement, Envelope, Ichimoku Kinko, MACD, Money Flow Index, Moving Average: Simple, Time Series, Triangular, Variable, Weighted. MACD (With Histogram), Momentum RoC, Parabolic SAR, Pivot points, Price Rate-of-Change, , Price Oscillator, Relative Strength Index, Stochastic Oscillator, Tema, TRIX, Williams' %R & Zig Zag.

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- **Candlestick charting patterns**
 - Bullish / bearish engulfing, Dark cloud, piercing, morning / evening star, doji, evening star, bullish / bearish harami, inverted hammer, three black crows, three white soldier, falling three methods, rising three methods, hammer, hanging man, three black crows, three inverted Buddhas, abandoned baby, grave stone doji, spinning top, counter attack dragon fly doji, etc.
 - **Fibonacci**
 - Fibonacci numbers, retracement, Arc, Extension, Fan, Time zone forecast
 - **Elliot Wave**
 - Wave principle, Wave count, Wave personality, Impulse wave, Motive wave, Extended wave, Truncated wave, Corrective wave, Trade setup, Entry point, Protective stops, Trade targets & Diagonals
 - **Harmonic patterns**
 - Bat, Gartley, Crab, Butterfly & 5-0
 - **Gann**
 - Gann Angles, Fans, Grids, Line, swing bands & Square of nine
 - **Swing & Turtle trading**
 - Trend following trading, turtle system, turtle soup, etc.
 - **Derivatives trading with Technical Analysis**
 - Technical analysis in Commodities, Currency, Equities & Interest rate derivatives
 - Covered call writing, bull spread, bear spread, calendar spread, etc.
 - **Setting up a trading system**
 - Making effective templates
 - Case studies
 - Live Technical Session
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Who Should Attend?

The programme is ideal for

- Technical analysts
- Dealers
- Traders
- Treasury employees of banks and corporates
- Research analysts in equity, commodity, currency, and debt markets

Pedagogy

The programme will engage an appropriate mix of lectures, discussion, exercise, classroom interaction, case study, etc. The programme is conducted by faculty with rich practical as well as training / consultancy experience in the technical domain. Since the offerings of the programme are in a niche area, very few institutions have the kind of domain expertise and in-depth knowledge that FTKMC and the guest trainers have cultivated over the years.

Programme Details

Technical Analysis Engineering is a three-week programme.

Date: **February 6 - 29, 2012**

Monday to Friday: 6:30 PM to 9:30 PM

Saturday 10:00 AM - 5:00PM

Total duration: 60 hours (inclusive of 10 hours training in live markets)

Fee & Registration

Training fee: ₹ 27,000 plus 10.3% Tax (Total: ₹ 29,781) (non-residential). The fee includes tuition, presentation material, etc. The completed Registration Form along with an account payee demand draft or cheque drawn in favour of '**FT Knowledge Management Company Ltd**', payable in Mumbai, should reach FTKMC at least seven days before the commencement of the programme.

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Programme Director



Mr Hitesh Sethia is a domain expert in commodity and currency markets. He conducts training programmes for the Financial Technologies Group companies, including Multi Commodity Exchange of India Ltd (MCX), and Global Board of Trade (GBOT), Mauritius.

He is a postgraduate in Finance and Management. He has designed and organized many short-term and long-term training programmes across different parts of the value chain in the commodity and currency ecosystems. He is also the programme director of Diploma in Commodity Markets (DICM), conducted jointly by FTKMC, MCX, and Welingkar Institute of Management Development and Research, Mumbai. Mr Sethia has conducted more than 150 training programmes on Jobbers, Arbitrage, and Spreads. His areas of specialization are exchange risk management, market operations, clearing and settlement, delivery mechanism, price risk management, and volatility analysis in commodity markets. He has written many research papers, including Mapping Commodity Markets with Currency Market; Equity Market Indicator and the Volatility of USDINR; All about Proprietary and Client Trading; Technical Analysis; and Exchange Bylaws, Rules, and Regulations.

In addition to various initiatives, he conducts programmes for management institutions such as Indian Institute of Management (Ahmedabad & Bangalore); Symbiosis Centre for Management and Human Resource Development (SCMHRD), Pune; Birla Institute of Management Technology, Noida; Welingkar Institute of Management Development and Research (Mumbai & Bangalore); Reserve Bank of India's College of Agriculture Banking, Pune; National Institute for Agricultural Marketing, Jaipur; Institute for Rural Management, Anand; etc.

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Disclaimer:

FTKMC reserves its right to change, alter all or any part of the content/structure of the programme. FTKMC may cancel, suspend, prepone, or postpone the programme schedule without prior intimation and without assigning any reason. Candidates are advised to check/confirm with FTKMC about the programme schedule before making arrangements for travel and accommodation.



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