

Basics of stock market

- **Introduction to Stock Market**
 - ✓ What is a stock?
 - ✓ Why do companies issue shares?
 - ✓ What is the stock market & how it functions?
 - ✓ History and evolution of Indian stock markets
- **Key Market Participants**
 - ✓ Investors vs Traders
 - ✓ Stock Exchanges: NSE, BSE
 - ✓ SEBI – Role and importance
 - ✓ Depositories: NSDL & CDSL
 - ✓ Brokers & Demat Accounts
- **Market Instruments**
 - ✓ Equity shares
 - ✓ Derivatives (Futures & Options - Intro only)
 - ✓ Bonds & Debentures
 - ✓ Mutual Funds
 - ✓ IPOs (Initial Public Offerings)
- **Understanding Stock Prices**
 - ✓ What drives stock prices?
 - ✓ Supply and Demand
 - ✓ Market sentiments and news impact
 - ✓ Bid, Ask, and Spread
- **Order Types & Trade Execution**
 - ✓ Types of Orders (Market, Limit, Stop Loss)
 - ✓ Types of Trades (Intraday, Delivery, Margin)
 - ✓ Basic understanding of Trading Platforms
 - ✓ How to place a trade in a live terminal
- **Stock Market Indices**
 - ✓ Nifty 50, Sensex – what they represent
 - ✓ Sectoral Indices
 - ✓ Global indices correlation
- **Basic Terminology**
 - ✓ Bull & Bear Market
 - ✓ Volume, Volatility, Liquidity
 - ✓ Circuit limits
 - ✓ Dividend, Bonus, Stock Split, Rights Issue
- **Myths vs Reality**
 - ✓ Debunking common myths (e.g., stock market is gambling)
 - ✓ Realistic return expectations
 - ✓ Discipline and psychology in trading/investing

Fundamental Analysis Course

- **Introduction to Fundamental Analysis**
 - ✓ What is Fundamental Analysis?
 - ✓ Approaches to Fundamental Analysis (Top-Down vs Bottom-Up)
 - ✓ Who Uses Fundamental Analysis?
 - ✓ Limitations & Criticisms of Fundamental Analysis
- **Key Steps in Fundamental Analysis**
 - ✓ Macro-Economic Analysis (GDP, Inflation, Interest Rates)
 - ✓ Economic Indicators & Business Cycles
 - ✓ Industry Analysis – Porter's Five Forces Model
 - ✓ Company Analysis – Qualitative & Quantitative
 - ✓ Financial Statement Analysis
 - ✓ Valuation Techniques Overview
- **Understanding Core Financial Concepts**
 - ✓ Time Value of Money (TVM)
 - ✓ Net Present Value (NPV) of Assets
 - ✓ Opportunity Cost and Discount Factors
 - ✓ Cost of Capital – WACC
- **Reading Financial Statements**
 - ✓ What is an Annual Report?
 - ✓ How to Use an Annual Report for Analysis
 - ✓ Key Components: Balance Sheet, P&L, Cash Flow
 - ✓ Director's & Auditor's Report
 - ✓ Schedule and Notes to Accounts

Intermediate Level

- **Balance Sheet Analysis**
 - ✓ Assets: Current vs Non-Current
 - ✓ Liabilities: Short-term vs Long-term
 - ✓ Shareholder's Equity & Capital
 - ✓ Important Balance Sheet Ratios
 - ✓ Reading Red Flags in Balance Sheets
- **Profit & Loss (Income) Statement Analysis**
 - ✓ Revenue Streams & Expense Breakdown
 - ✓ EBITDA, EBIT, Net Profit Margins
 - ✓ Earnings Per Share (EPS)
 - ✓ Connecting P&L with Balance Sheet
- **Cash Flow Statement Analysis**
 - ✓ Cash Flow from Operating Activities
 - ✓ Cash Flow from Investing Activities
 - ✓ Cash Flow from Financing Activities
 - ✓ Free Cash Flow Importance
 - ✓ Detecting Liquidity Crisis

- **Financial Ratios & Interpretation**
 - ✓ Liquidity Ratios – Current Ratio, Quick Ratio
 - ✓ Profitability Ratios – ROE, ROCE, Gross Margin
 - ✓ Efficiency Ratios – Asset Turnover, Inventory Days
 - ✓ Leverage Ratios – Debt/Equity, Interest Coverage
 - ✓ Market Valuation Ratios – P/E, P/B, EV/EBITDA

Advanced Level

- **Advanced Valuation Techniques**
 - ✓ Intrinsic Value vs Market Price
 - ✓ Discounted Cash Flow (DCF) Valuation
 - ✓ Relative Valuation – P/E, PEG, EV/EBITDA
 - ✓ Sum-of-the-Parts (SOTP) Valuation
 - ✓ Valuation of Banks & Financial Firms
 - ✓ Valuing Startups and Loss-Making Companies
- **Sectoral & Thematic Analysis**
 - ✓ Banking & NBFC Sector Fundamentals
 - ✓ IT & Pharma Sector Analysis
 - ✓ FMCG vs Cyclical Industries
 - ✓ ESG (Environmental, Social, Governance) Trends
 - ✓ Thematic Investing (EVs, Renewable Energy, AI)
- **Practical Case Studies & Projects**
 - ✓ Live Company Report Analysis
 - ✓ Industry-Wise Financial Comparison
 - ✓ 10-Year Financial Trend of a Stock
 - ✓ Final Project: Publish a Stock Research Report

Technical Analysis

■ Introduction to Technical Analysis

- ✓ What is Technical Analysis?
- ✓ Difference between Technical and Fundamental Analysis
- ✓ Assumptions of Technical Analysis (Price discounts everything, History repeats, Price moves in trends)

■ Basics of Price Action

- ✓ Candlestick Charting (Types of charts: Line, Bar, Candlestick)
- ✓ Understanding OHLC (Open, High, Low, Close)
- ✓ Types of trends: Uptrend, Downtrend, Sideways
- ✓ Support and Resistance – Identification and Importance

■ Candlestick Patterns

- ✓ Single Candle: Doji, Hammer, Shooting Star, Marubozu
- ✓ Double Candle: Bullish/Bearish Engulfing, Piercing Pattern, Dark Cloud Cover
- ✓ Triple Candle: Morning Star, Evening Star, Three White Soldiers, Three Black Crows
- ✓ Psychology behind each pattern

■ Chart Patterns (Classical Technical Patterns)

- ✓ Reversal Patterns: Head & Shoulders, Double Top/Bottom
- ✓ Continuation Patterns: Flags, Pennants, Triangles (Symmetrical, Ascending, Descending), Cup & Handle
- ✓ Breakouts and breakdowns – Confirmation techniques

■ Trend Analysis Tools

- ✓ Trendlines – drawing and interpretation
- ✓ Channels – parallel trend lines
- ✓ Fibonacci Retracement – Key levels and use in support/resistance

■ Major theories in Technical Analysis

1. Dow Theory (The Foundation of Technical Analysis)

Key Principles:

- ✓ **The market discounts everything**
- ✓ **Three trends exist simultaneously:**
 - Primary (long-term)
 - Secondary (corrections)
 - Minor (daily fluctuations)
- ✓ **Three phases of market trends:**
 - Accumulation → Public Participation → Distribution
- ✓ **Volume confirms the trend**
- ✓ **Trends continue until reversal signals appear**

2. Elliott Wave Theory

Core Concepts:

- ✓ 5-wave pattern in trending phase (Impulse waves)
- ✓ 3-wave pattern in correction phase (ABC Correction)
- ✓ Fractals: Waves exist within waves

3. Fibonacci Theory

Based on the Fibonacci sequence and golden ratio (61.8%, 38.2%, 23.6%).

Applications:

- ✓ Fibonacci Retracement: Identify support/resistance levels during corrections
- ✓ Fibonacci Extensions: Predict price targets
- ✓ Fibonacci Fans and Arcs (less common)

- **Technical Indicators & Oscillators**

- ✓ RSI (Relative Strength Index) – Overbought/Oversold zones
- ✓ MACD (Moving Average Convergence Divergence)
- ✓ Bollinger Bands
- ✓ ATR (Average True Range)
- ✓ Moving Averages (SMA, EMA) – Golden Cross & Death Cross
- ✓ ADX (Average Directional Index)
- ✓ Supertrend
- ✓ Exponential Moving Average (EMA)
- ✓ Williams Fractals
- ✓ Williams Alligator
- ✓ Pivot Points

- **Volume Analysis**

- ✓ Importance of Volume in confirmation
- ✓ Volume & Price relationship
- ✓ OBV (On-Balance Volume)
- ✓ Accumulation/Distribution Indicator

- **Time Frame Selection**

- ✓ Intraday vs Swing vs Positional Charting
- ✓ Multi-time frame analysis
- ✓ Which indicators suit which timeframes

- **Entry, Exit & Stop Loss Strategies**

- ✓ How to define entry points using patterns or indicators
- ✓ Stop-loss placement techniques
- ✓ Risk-to-reward ratio understanding
- ✓ Position sizing basics

- **Backtesting & Trading Psychology**

- ✓ Importance of backtesting
- ✓ Building a trading journal
- ✓ Avoiding overtrading
- ✓ Handling emotions in trading (Fear, Greed, Impatience)

- **Building a Trading System**

- ✓ Combining 2–3 indicators or tools
- ✓ Creating a rule-based system
- ✓ Live demo of backtesting on TradingView