

A Set of Courses on
**Investment Strategies
For Financial Markets**
Blended Program
(Self Paced + Live Interactive)



10 Certificate Courses



**12 Live Interactive Sessions
(2 Hours Monthly)**



60 Hours of Digital Content



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About the Course Set

The idea behind this courses to enable an understanding of investments strategies for financial markets, market movements and investment strategies so that the learner can analyse financial instruments. This course covers a vast range of skills and knowledge required to move from analysis of investments to investing. The course starts with planning investments, managing portfolios and advanced analysis of investments.

- ▶ This program covers the study of market movements through Technical Analysis
- ▶ The participants will gain an understanding of Derivatives (Options)
- ▶ This course will help the learner become an informed investor

This course will also include 24 hours (2 hours monthly) Live interactive session where concepts related to the topic will be covered in 1 hour and the session would be open for doubt clearing / Q&A session.

12 Self-Paced Learning Courses



8 Short Modules (SLP) | 75+ Hrs of Additional Short Learning



Live Interactive Sessions With Faculty

This course will also include 24 hours (2 hours monthly) Live interactive session where New Trading Analysis Strategy (Technical and Options Strategy) will be covered in 1 hour and the session would be open for doubt clearing / Q&A session.

The recording will be made available if someone misses the Live Interactive session in the NSE Knowledge Hub .

Capital Market Trading Strategies to be covered over a span of 12 sessions to be covered over a span of 12 sessions

- | | | |
|---|--|-------------------------------------|
| 1 Fundamental valuation Concepts | 5 Technical indicators (VIX) Derivatives as Risk | 9 Technical Analysis |
| 2 Know your Portfolio and Diversification | 6 Mitigation Tool - Futures & Options Strategy | 10 Option Strategy and Pricing |
| 3 Risk mitigation and tolerance | 7 Introduction on Bot Trading | 11 How to Decode OI (Open Interest) |
| 4 Footprints of Big Players | 8 Risk Reward Ratio and Probability | 12 Back testing -Trading Strategy |

1.Introduction to Financial Instruments



Duration: 45 Minutes

There is an array of financial instruments that are available in India. They serve as a medium of wealth creation. People prefer to invest in financial instruments instead of keeping their money in a savings account, as the former has an appreciative trend. Investors use financial instruments to diversify their portfolios, hedge against adverse price movements, and gain exposure to different asset classes.

2. Securities Market Basic Module



Duration: 18 hours

This course begins by exploring the various market segment and their products. The content covers the various terminologies used in the capital markets, various intermediaries, products, investments, stock exchanged, regulators and regulations. It also covers miscellaneous items and various mathematical methods to evaluate investments.



Course Outline

- ▶ Investment Basics
- ▶ Overview of Indian Securities Markets,
- ▶ Securities
- ▶ Secondary Markets
- ▶ Debt markets
- ▶ Derivatives
- ▶ Depository
- ▶ Mutual Funds
- ▶ Concepts and Modes of Analysis
- ▶ Legal Framework.



3. Investment Analysis & Portfolio Management



Duration: 3.5 hours

Investments are common across all investors from the individuals to the fund managers and institutions. However, analysis and investments based on such analysis is carried out by trained managers and informed investors. This course helps you understand all types of investments and analyze them with a need to invest effectively and efficiently. It covers all investments including equity, debt, and derivatives. Investing in markets that are not in the same efficiency level, analyzing individual investments and handling portfolios are some of the skills that this course covers.



Course Outline

- ▶ Objectives of Investment Decisions
- ▶ Financial markets
- ▶ Capital market Efficiency
- ▶ Financial markets
- ▶ Fixed Income Securities
- ▶ Capital market Efficiency
- ▶ Financial Analysis and Evaluation
- ▶ Modern Portfolio Theory
- ▶ Valuation of Derivatives
- ▶ Investment Management

4. Introduction to Technical Analysis



Duration: 6 hours

Technical analysis is all about analysis of markets and market movements. Technical analysis believe that markets follow a pattern and investing on the basis of this pattern is the most efficient method of investing. There are some principles and theories to this, and the course covers all about the same. Technical analysis is led by charts and trends and their interpretation to predict markets. This course will give you an in-depth learning of all these aspects, helping you analyse markets with expertise.

Course Outline



An overview of Technical Analysis

Types of charts and their features

- ▶ Theories underlying Technical analysis
- ▶ Trend Line/Channel and its Interpretation
- ▶





5. Technical Patterns



Duration: 10.5 hours

Technical Analysis can be defined as an art and science of forecasting future prices based on an examination of the past price movements. Technical analysis involve putting stock information like prices, volumes and open interest on a chart and applying various patterns and indicators to it in order to assess the future price movements.



Course Outline

- ▶ Double Top/Bottom Formation
- ▶ Ascending /Descending Triangle
- ▶ Average Directional Index (ADX)
- ▶ Signal/Trigger Line: Interpretation of MACD charts - Trigger/Signal Line Crossovers
- ▶ Fibonacci Ratios, Fibonacci Retracement & Application of Fibonacci Levels
- ▶ Triple Top/Bottom Formation
- ▶ Head and Shoulders Pattern
- ▶ Bollinger Bands & MACD/Base Line
- ▶ Types of Waves: Identifying the wave formations in Elliott wave
- ▶ Calculation and interpretation of Fibonacci Retracement levels, for determining Support and Resistance; Generate Buy/Sell decisions.

6. Introduction to Options



Duration: 2 hours

This course is designed to understand the fundamental of Option contract and various terminology associated with Options contract like exercise style, moneyness, intrinsic value/ time value etc . The course also explains types of options and its significance and discussion on the pay off profile. In option program you will be learning hedging techniques, which will reduce the risks in your portfolio. By learning this course you will obtain the necessary knowledge to start using options as a hedging technique in their own investing portfolio.



Course Outline

- ▶ Features of an Option Contract
- ▶ Types Of Options: Put - Call Parity
- ▶ How can we use options?
- ▶ Options Terminology: Brief discussion on key terms
- ▶ Usage and Applications of Options: Discussion on the pay-off profiles





7. Currency Options



Duration: 1.5 hours

While we covered Equity options in the previous course, options are also used in currency markets. Trading in foreign currency derivatives take the form of currency options and it requires some understanding to trade in the same. This course will help you learn about types of currency options and its trading. There are also various specifications on currency options and risk management in the form of margins. In this course, you will learn in depth about all these.



Course Outline

- ▶ Introduction to Currency Options
- ▶ Specifications of a Currency Options contract
- ▶ Basic understanding of Currency Options and its types
- ▶ Margins: Margins imposed by the exchange.

8. Derivative Trading Strategies



Duration: 1.5 hours

Trading derivatives can be scientific and requires knowledge of various strategies. Yes, various types of traders use different types of strategies to trade in derivatives. This course covers various strategies of trading in derivatives and using them for hedging and arbitrage. Efficient trading in derivatives is dependent on effectively using these strategies.



Course Outline

- ▶ Types of Participants in Futures Market: Speculators, Hedgers and arbitrageurs.
- ▶ Types of strategies: Directional, Non directional and Arbitrage Strategies.





9. Option Strategies



Duration: 2 hours

Options are of various types. Trading in them involves a lot of knowledge and understanding of various strategies using which they are traded. Using such strategies, you can create a portfolio of various types of options with various combinations to meet your investment needs. This course helps you learn all about options strategies.



Course Outline

- ▶ Portfolio of options: How to create a portfolio of options like spreads, straddle, asset option combinations etc.

10. Option Strategy and Pricing



Duration: 7 hours

This course is an advanced level of understand options, trading in them effectively and learning to price options. Various strategies are used to trade different types of options. There are also various methods used for pricing them and trading in them based on such pricing methods. This course covers advanced derivatives like swaptions, exotic options, and also covers the operational aspects of deals in options.



Course Outline

- ▶ Types of Option Strategies
- ▶ Exotic Options: A discussion on 'Digital Options' and 'Barrier Options'
- ▶ Swaptions
- ▶ Operational Aspects of an Option Deal
- ▶ Options Trading - Interbank: How options are traded in the Inter-bank market
- ▶ Interest Rate Options: Types of interest rate options, such as - 'Interest Rate Caps', 'Floors', and 'Collars'.
- ▶ Pricing an Exotic option using Binomial Trees
- ▶ Pricing Exotic Options





11. Capital Market (Dealers) Module



Duration: 8 hours

A course for capital market professionals, both present and aspiring. All those wishing to become employees of brokers or dealers can avail of this course. It covers the financial markets, membership details of NSE, legal aspects and the operations aspects of trading, clearing and settlement. Risk management is essential for all capital market intermediaries and here you get to learn all about it. Basic valuation concepts to understand valuation of securities is covered here to help you identify and analyse securities for investment.



Course Outline

- ▶ An Overview of the Indian Securities Markets
- ▶ Trading Clearing, Settlement and Risk Management
- ▶ Fundamental valuation Concepts
- ▶ Trading membership
- ▶ Legal Framework

12. Algorithmic Trading



Duration: 3 hours

Technology development across global markets has necessitated a multidimensional approach for understanding the Importance of Algorithmic Trading. Algorithmic trading encompasses automated trading using algorithms to predict markets and trade accordingly. This is done by using a computer programme for the same. This course encompasses trading in various asset classes with special focus on Equity Index Futures, Options, and Commodities, using algorithms. This course will help you improve knowledge on algorithms, learn different trading strategies, learn risk management in such trading and also the audit and compliance process.



Course Outline

- ▶ Introduction to Algorithmic Trading
- ▶ Trading Strategies
- ▶ Risk Management in Algorithmic Trading
- ▶ Order Types
- ▶ System Architecture
- ▶ Audit and Compliance Processes



How to Activate the Course?



Contact Details



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Refund Policy

- Registration Fees paid by the candidate shall not be refunded under any circumstances after the login id of the application has shared to candidates.
- In case the registered candidates wish to cancel the registration for the Certificate Programs, the candidate shall intimate NSE Academy via a written request/Email request minimum 2 working days prior to the commencement of the Certificate Programs or sharing the login id of the application. Once approved the candidate will be refunded 90% of the total course fees paid for the respective Certificate Programs.