



ST. XAVIER'S COLLEGE (AUTONOMOUS), RANCHI
(AN AUTONOMOUS COLLEGE AFFILIATED TO RANCHI UNIVERSITY)

SYLLABUS OF
CERTIFICATE PROGRAMME OF MODULAR COURSES
OF
NATIONAL INSTITUTE OF SECURITIES MARKET (NISM) –
(A CAPACITY BUILDING INITIATIVE OF SECURITIES &
EXCHANGE BOARD OF INDIA (SEBI)
IN ASSOCIATION WITH
DEPARTMENT OF COMMERCE (SELF FINANCING)
PROGRAMMES
w.e.f. Academic Session - 2025 - 26

FOR UNDER GRADUATE STUDENTS OF

- 1. COMMERCE SELF FINANCING PROGRAMMES**
- 2. COMMERCE REGULAR PROGRAMME**
- 3. ANY OTHER UNDERGRADUATE PROGRAMMES OF ST. XAVIER'S (AUTONOMOUS) COLLEGE, RANCHI**
- 4. THIS PROGRAMMES CAN ALSO BE OFFERED TO OUTSIDE STUDENTS OR PROFESSIONALS ON WEEK END CLASS SYSTEM.**

Course Module No.	Name of the Module
NISM Series VIII	Equity Derivatives Certification


8/7/25
REGISTRAR
ST. XAVIER'S COLLEGE
RANCHI




09/06/25
PRINCIPAL
ST. XAVIER'S COLLEGE
RANCHI

Objectives & Salient Features

Objectives

- This modular course is defined to create awareness and career prospects in the fields of finance and investment.
- This is one of the unique opportunity created through LOU with NISM signed by St. Xavier's College (Autonomous), Ranchi in the interest of academics and students.
- In Jharkhand we are the only college which offer this types of Add on Certificate along with the Honour's Programme.
- With this Add on Certificate Programme students career opportunities will be immensely enlarged and broadened.

Salient Features

- Classes will be conducted by the professors of the Department of Commerce Self Financing Programmes in the offline mode.
- Separate class timing will be issued for the students of Commerce Self Financing Programmes and separate timing will be issued for other department's students.
- After completing of the course Exam will be conducted by the National Institute of Securities Market and certificate will be issued to the passed students by NISM
- 50% will be pass marks for passing each certificate exam.
- The Certificate will be valid for three years from the date of passing.
- After three years he/she will again have to appear for the exam.
- Exam will be conducted under the guidance of one professor in the computer centre of St. Xavier's College, Ranchi and it will be monitored by the NISM representatives through CCTV installed within the computer centre.
- In case of any unfair means adopted by any student then he/she will be debarring from any other exam of NISM for lifetime.
- For study online or offline notes will be provided by the NISM during the conduction of each module.
- Placements drives are also conducted by the NISM for passed students in according to their conveniences and availability of opportunities.
- Online or Offline Career Counselling Programmes are also conducts by the NISM time to time for career developments of the students.
- Students can choose any module according to his/her wish and choice.
- If at least 30 students in a group agree to participate in Students Development Programme then NISM can do that on students request after payment of requisite fees as per the classification of No. of days' duration and programme.

Fees:

Rs. 2500 (Two thousand five hundred only) fees will be charged for each module including offline teaching and Examination Fees). This fees are subject to change in according to the decision of NISM and College Management.

* For the students of Commerce Self Financing Programme following Certificates are offered in
Sem –V & VI effective for Academic Session 2023 – 26 students w.e.f. Academic year - 2025

<u>To Whom the Course Offer</u>	<u>Course Title</u>
<i>B.Com (Banking & Insurance)</i>	<i>Module VII-Securities Operation & Risk Management</i>
	<i>Module VIII-Equity Derivatives</i>
<i>B.Com (Office Management & Secretarial Practice)</i>	<i>Module VA- Mutual Fund Distributor</i>
	<i>Module VII-Securities Operation & Risk Management</i>
<i>B.Com (Financial Market Operation)</i>	<i>Module VIII-Equity Derivatives</i>
	<i>Module XV-Research Analysis</i>

I. Basics of Derivatives

- A. Basics of Derivatives
- B. Derivatives Market – History & Evolution
- C. Indian Derivatives Market
- D. Market Participants
- E. Types of Derivatives Market
- F. Significance of Derivatives
- G. Various risks faced by the participants in derivatives

II. Understanding Index

- A. Introduction to Index
- B. Significance of Index
- C. Types of Stock Market Indices
- D. Attributes of an Index
- E. Index management
- F. Major Indices in India
- G. Application of Indices

III. Introduction to Forwards and Futures

- A. Introduction to forward contracts
- B. Futures contracts
- C. Contract specifications of futures contracts
- D. Some important terminology associated with futures contracts
- E. Differences between Forwards and Futures
- F. Pay off Charts for Futures contract
- G. Futures pricing
- H. Price discovery and convergence of cash and futures prices on the expiry
- I. Uses of futures

IV. Introduction to Options

- A. Basics of options
- B. Contract specifications of exchange-traded options
- C. Moneyness of an option
- D. Intrinsic value and time value of an option
- E. Pay off Charts for Options
- F. Distinction between futures and options contracts
- G. Basics of Option Pricing and Option Greeks
- H. Option Pricing Models
- I. Implied volatility of an option
- J. Analysis of options from the perspectives of buyer and seller

V. Strategies using Equity futures and Equity options

- A. Futures contracts for hedging, speculation and arbitrage
- B. Use of options for trading and hedging
- C. Arbitrage using options: Put-call parity
- D. Delta-hedging
- E. Interpreting open interest and put-call ratio for trading strategies

VI. Trading Mechanism

- A. Trading Mechanism
- B. Eligibility criteria for selection of stocks for derivatives trading
- C. Selection criteria of Index for trading
- D. Adjustments for Corporate Actions
- E. Trading costs
- F. Algorithmic trading
- G. Tracking Futures and Options data

VII. Introduction to Clearing and Settlement System

- A. Clearing Members
- B. Clearing Mechanism

- C. Interoperability of clearing corporations
- D. Settlement Mechanism
- E. Risk Management
- F. Margining and mark to market under SPAN
- G. Position limits
- H. Violations and Penalties
- I. Settlement Guarantee Fund and Investor Protection Fund:

VIII. Legal and Regulatory Environment

- A. Securities Contracts (Regulation) Act, 1956
- B. Securities and Exchange Board of India Act, 1992
- C. Regulations in Trading
- D. Regulations in Clearing & Settlement and Risk Management
- E. Eligibility criteria for membership on derivatives segment

IX. Accounting and Taxation

- A. Accounting
- B. Taxation of derivative transaction in securities

X. Sales Practices and Investors Protection Services

- A. Understanding risk profile of the client
 - B. Risk Disclosure Document
 - C. Written Anti Money Laundering Procedures
 - D. Investors Grievance Mechanism
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