



TORUX Financial Engineering Course



Torux Software Pvt. Ltd.

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The Best First Step to a Lucrative Career in Finance

Certification in Financial Engineering

The certification you will receive upon successful completion of the course is seen as a proof of deep understanding of Financial Derivatives Markets and high competence in developing applications for the Finance Industry. Our certification will make a big difference in your CV and will distinguish you from other candidates competing for jobs in Finance.

An Overview

A certification course designed to provide students with an overview of financial markets and stock exchange, equities and commodities, financial derivatives and Risk Management by Investment Banks and Hedge Funds. It is designed in such pattern to provide combined knowledge in both theoretical and practical ground of finance and technical languages like C++ / OOP s concepts of financial software. The platform we provide guides students to make a career in the software industry where financial concepts are implemented and in particular in Investment Banks in India and abroad.

Career Opportunities

- We will offer the most talented and motivated course graduates, a chance to gain real project work Experience in our company as an Intern.
- There is currently vast demand for competent Financial Engineers in financial markets.

Criteria

- Any B.Tech/BE/M.Tech/B.Com/MCA graduates and postgraduates who aim to make a career in Financial Software Engineering.
- Students of any year are eligible to join the course

Faculty

- Mr. Arpit Narain, FRM (CFA (USA) level 3 candidate)
- Mr. Sandeep Munde, M.Tech – IIT (Mumbai)
- Mr. Sumanta Biswas, B.Tech – IIT (Mumbai)
- Mr. Ajeet Tiwari, B.Tech – IT (BHU)
- Mr. Rambabu Bachalakuri, B.Tech – IIT (Mumbai)

Structure of Basic Financial Engineering Course.

| | Finance | Technical |
|---|--|---|
| 1 | Financial Markets and Stock Exchange I | OOP Concepts in Financial Software |
| 2 | Financial Markets and Stock Exchange II | C++ class for Future and its implementation Market and Interest Rates |
| 3 | Equities and Commodities | Database setup and management (using SQL and PL/SQL) for Derivatives, Market Data etc |
| 4 | Financial Derivatives Overview & Introduction to Excel | C++ classes for Equities |
| 5 | Forwards and Futures: Definition and use for Hedging/Speculation | C++ classes for Currencies and Market Data (Stock Market Prices and Interest Rates) |
| 6 | Options: Definition and use for Hedging/Speculation | C++ classes for Forwards |

Structure of Intermediate Financial Engineering Course

| | Finance | Technical |
|---|---|---|
| 1 | Basics of Financial Market and Derivatives | Design Patterns and STL in Financial Software |
| 2 | Forwards and Futures: Definition, Use for Hedging/Speculation and Pricing | Pricing Forward Contracts using prices from the Stock Market and Interest Rates |
| 3 | Options: Definition, Use for Hedging/Speculation and Pricing. Advanced Excel Functionalities. | Trades |
| 4 | Trading strategies in Options, Exotic Options. | Portfolio Structure |
| 5 | Use of Greeks and VaR in Risk Management | C++ classes for Currencies and Market Data (Stock Market Prices and Interest Rates) |
| 6 | Risk Management by Investment Banks and Hedge Funds | Booking Trades and Portfolio Management |

Other Details

- Course Starting Dates – Please contact us at info@torux.net
- Course Duration: 6 Weeks.
- Course Fees
 - FE Basic(Finance + Technical) Rs.5000
 - FE Basic (Finance) Rs. 3000
 - FE Intermediate (Finance + Technical) Rs.5000
 - FE Intermediate (Finance) Rs. 3000

Course Options

- Intermediate course can be done after completion of the Basic Course.
OR
- Both the courses can be done in parallel at different timings.

REWARD

- Rs 1000 reward for every reference on each of the courses, Basic or Intermediate.
- 5 OR MORE GET 20% DISCOUNT. Come with a group of 5 or more and get Discount of 20%.

NCFM Certificate Preparatory Course.

Torux Software helps students prepare for NCFM certification.

NCFM is a certification examination conducted through online-testing by the National Stock Exchange of India (NSE) in Financial Market modules. This exam is suitable for students and working professionals, willing to get knowledge in finance and get certified to advance their career.

Torux Software provides preparation for exams in four NCFM modules

- Financial Markets: A Beginner's Module
- Derivatives Market
- Capital Markets

Criteria

Any undergraduate / postgraduate is eligible.

Faculty

- Mr. Arpit Narain, FRM (CFA (USA) level 3 candidate)
- Mr. Sandeep Munde, M.Tech – IIT (Mumbai)

| Course Names | Fees | Duration |
|--|-----------------|----------|
| Financial Markets: A Beginner's Module | Rs. 1200 | 10 hrs |
| Derivatives Market | Rs. 1500 | 12 hrs |
| Capital Markets | Rs. 2000 | 12 hrs |

The course can be started as per your flexibility; there is no need to wait for the batch to form.