



School of Management
National Institute of Technology Rourkela

Presents

Short Term Course on

Financial Analytics

12 to 16 November 2025

Hybrid Mode

Course Background

Managers and leaders today are required to navigate a data-rich world where decisions are no longer based on intuition but are based on insights derived from complex data. Appreciating the power of analytics to transform raw data into useful insights has become crucial to succeed in the competitive workplace. Beyond traditional financial roles, these analytical skills are highly coveted in job markets across industries. This course has been designed to enable proactive learners to uncover hidden patterns in financial data, forecast trends, and mitigate risks with greater confidence.

Course Contents

The course has been designed not just around numbers, but around modern approaches to business decisions. The contents will be organized in four interrelated modules.

- 1. Financial decisions** – Markets & Trading, Asset Management, Corporate Finance. Common size analysis.
- 2. ABC of analytics** – Visualization, Statistics, Time Series Econometrics. Python.
- 3. Risk Management** – Credit Risk Models, Financial & Commodity Derivatives, VaR, Fraud Detection.
- 4. Applications** – Stock Selection, Portfolio Construction, Strategies involving Commodity Derivative Contract, Insurance.

Course Design

A healthy mix of instruction/lectures, demonstrations, hands-on practice and realistic projects will be maintained for maximizing the value from this course. In an attempt to bring the state-of-the-art to the discussions, the resource persons for the course will be invited from leading institutions and industry. A tentative list of speakers is given below -

- Dushyant Mahadik – Over 15 years of experience with top organizations and currently teaching finance at NIT Rourkela.
- Santosh Bag – Expert in financial data analytics for applications in risk management.
- Dinabandhu Bag – Nearly three decades of experience in financial services, regulation, and author of Business Analytics (Routledge / Taylor & Francis).
- G Mohan – Over four decades of experience spanning IT, eGovernance, and strategy.

The course will be offered in hybrid (online + offline) mode in two to three well-separated sessions per day to allow participation from students as well as working professionals.

About the Institute

NIT Rourkela is a distinguished institution, widely recognized for its excellence in research, consultancy, and education across all levels of academia, from undergraduate to doctoral studies. The Institute is deeply committed to advancing India's stature as a global leader in technology and science, striving for international recognition through its unwavering dedication to high academic standards, innovation, entrepreneurship, and the creation of intellectual wealth. With 20 academic departments, NIT Rourkela offers a comprehensive range of programs, including 21 undergraduate courses in engineering, architecture, science, humanities, and management, alongside various postgraduate and doctoral research opportunities. The Institute's graduates are known for their ability to blend technological expertise with management acumen, which positions them as valuable assets in both domestic and international markets. Their consistent success is a testament to NIT Rourkela's focus on interdisciplinary learning, its robust educational framework, and its role in nurturing leaders who contribute significantly to societal progress, economic development, and the global community.

About School of Management

The School of Management at NIT Rourkela, as an academic unit, has committed to developing future leaders in management. The department offers a variety of programs designed to provide students with a solid foundation in management principles and practical skills essential for success in today's business environment. The curriculum is carefully crafted to ensure a comprehensive understanding of key management concepts, while also fostering critical thinking and leadership abilities. The faculty, a blend of experienced professionals and esteemed scholars, delivers high-quality education that combines theoretical knowledge with real-world applications. This dynamic approach prepares graduates to excel in diverse industry roles, significantly contributing to their organizations and society.

Registration Details

To enroll for the course, please fill up the following form – [LINK](#).

The course fee is INR 5000 for participants who are Indian citizens, entrepreneurs, or working professionals. A subsidized fee of INR 2000 will be charged to students enrolled at a recognized institution in India. No registration fee will be collected from students, faculty members, or non-teaching staff of the host institute. For all categories of participants, registration must be completed three working days before the commencement of the course.

The registration fee can be paid to the CONTINUING EDUCATION NIT ROURKELA account through NEFT or UPI using the following details

A/c No.: 10138951784

Bank – State Bank of India, NIT Campus, Rourkela.

IFSC code : SBIN0002109

UPI ID : 01389517841@sbi



Contact Details

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