PG Certificate Program in Financial Technologies

Cohort 2

Jointly offered by NSE Academy Ltd. and IMT, Hyderabad
Introduction

Change accelerated through technology is transforming every aspect of our lives and the business landscape immensely. Businesses across sectors are adopting technology and innovating to gain a competitive advantage. Technology is driving financial transactions, investment decisions, market analysis, risk management and advisory services. Global crises such as the pandemic, subsequent lockdowns, cross-border conflicts, and sanctions have further accelerated this technological transformation. BFSI’s success is strongly rooted in Financial Technologies, ‘FinTech’. India is one of the fast-growing fintech markets in the world with an estimated market size of $150 billion by 2025. Companies in the BFSI sector need highly skilled manpower with both an understanding of finance and relevant expertise in technology, who can manage and navigate the FinTech business world, which is filled with phenomenal opportunities. The PGP Certificate in Financial Technologies equips its participants with essential knowledge and skills to pursue a rewarding career and be a part of the FinTech growth story.

Source: Indian fintech market expected to reach $150 bn, Economic Times

About the Program

The PG Certificate Program in Financial Technologies is jointly offered by the Institute of Management Technology, Hyderabad, and NSE Academy Ltd. The program curriculum is industry-oriented and covers global trends, and best practices. This six-month program provides a panoramic understanding of futuristic technologies like Cryptocurrencies, Blockchain, AI, Machine Learning, FinTech Regulations, etc. The Program is for professionals in Banking, Financial Services, Insurance, Management, Consulting, and Technology, who want to be at the forefront of the FinTech Revolution and wish to lead FinTech initiatives in their organizations or want to start their own. The Program aims at imparting skills that are required in the FinTech Industry and alongside inculcates strategic leadership competencies through various pedagogical interventions such as group discussion, presentation, and case discussion. The Program equips the participants to stay relevant in the current disruptive business environment.

"When one is groping through the maze of opportunities to get educated all about Fintech who else can help you but NSE ACADEMY in collaboration with IMT Hyderabad. Right from the beginning of the course, they have been guiding through the entire process in a highly professional manner. The course study, the flow, course content, knowledge of the professionals who teach us, industry professionals’ sharings, etc., has been meticulously planned in such a manner that any layman could understand the entire set of modules. At the age of 56, and being a basic Commerce Graduate, with no technological background, if I can, am very sure that anybody undergoing such a course would do much better than me and it is no rocket science."

-Sathish Kumar Chandrasekar
CEO – Tradewise
Batch Profile

The Programme batch consists of participants from diverse backgrounds with a wide range of experiences for enriched collaborative learning.

Work Experience Distribution

Functional Domain Distribution

Batch-1 Completed, where some of the participants were working in organisations such as SBI, ICICI Pru, Wipro, Aditya Birla Capital, Clickpost, etc.

FinTech Evolution

1950s First Credit Card
1960s First ATM
1970s Electronic Trading
1980s Online Brokerage Services
1990s Tele Banking & Online Banking
2000s Bitcoin v.01
2010s Fintech start-ups, Bitcoin & Cryptocurrencies
2020s Digital only Banks, Pandemic has given fintech whole new dimension

Source: *PG Certificate in Financial Technologies Batch 1(2021-22)*
**Fintech: The history and future of financial tech, The Payments Association**
Career Opportunities in FinTech

The demand for FinTech professionals is growing in the areas of equity research, advisory, risk management, and banking. According to the Times of India "More than 60% of fintech companies in India report a shortage of skilled employees". The program participants enjoy enhanced career prospects in Banking Institutions, Assets Management Companies, Consulting Firms, Private Equity, Venture Capitalist, Credit Rating Agencies, Insurance, NBFCs, Financial Services Institutions, FinTech StartUps, etc.

Some of the FinTech roles in demand are - Financial / Business Analyst, Product Manager, Blockchain Developer, Risk and Compliance Expert, Cyber Security Analyst, Quantitative / Data Analyst, etc.

FinTech Trends

"The PG certificate in Financial Technologies course offered by NSE Academy, in association with IMT Hyderabad has helped me gain deeper insights into the newer technologies that are being leveraged in the financial industry today. The modules are delivered by IMT Hyderabad Faculty and industry experts in an easy-to-understand manner. The course content is relevant and the support provided by IMT Hyderabad and NSE academy made it a smooth experience for us!"

-Ishupreet Kaur
IT Admin & Circular Economy Advocate
Program Coverage

Module 1
Overview of Financial Technology
Financial Technology  Emerging Technologies
India’s FinTech Ecosystem  Value Creation
FinTech Adaption  FinTech Global Scenario

Module 2
IOTs and APIs
Internet of Things  Application Program Interfaces
Financial System Communication  Open Banking

Module 3
BlockChain
Introduction  Distributed Ledger Technology
Hashing  Encryption & Decryption
Smart Contracts & Dapps  DeFi
Non-Fungible Token

Module 4
Cryptocurrencies
Crypto Exchanges  Initial Coin Offerings
BlockChain Applications  Tokenization and NFT
Metaverse

Module 5
Avenues of FinTech
Equity Crowd Funding  P2Pand Marketplace Lending
Wealth Management  Insure Tech

Module 6
AI/ML Strategies for FinTech
Introduction to AI/ML  Difference between AI & ML
Deep Learning  Fintech Applications / Case Studies

Module 7
FinTech Regulations
Govt. initiatives in India- NPCI, UPI, OCEAN  Security and Privacy in FinTech
Data Protection Laws & Regulations

Project Work
Pedagogy

The PG Certificate Program in Financial Technologies is an online program that consists of a series of lectures, simulations, group discussions, case discussions, projects, assignments, online assessments, and hands-on training. Participants are provided with ample opportunities to interact with industry professionals to keep them abreast of the latest trends. Our teaching and learning model encompasses:

- Blended technology-enabled education
- Resourceful faculty
- Application-based pedagogy
- Collaborative learning approach
- Sessions by Industry Professionals
- Harvard Cases
- Experiential learning through practical & hands-on training

Case Studies

- PayTM - Navigating the transition from e-Wallet to Payments Bank
- Funding Societies - Leveraging FinTech to support small businesses
- Citi Bank - Innovating the customer’s journey with FinTech
- Street Shares, Inc. - Fintech platform lending business
- Cutting through the Fog - Finding a future with Fintech
- National Payments Corporation of India - Cutting-edge FinTech ecosystem innovation in India
- Building India's 2.0 - PayNearby
- How Does Digital Transformation Happen? The Mastercard Case

Disclaimer: The case studies are for educational purpose only.

"The thing I like most is the structure of the course. The course not only gave me insights into Financial Technologies but also gave me detailed knowledge about its practical application of it. Faculties are very helpful in clearing the doubts and making complex topics simple and easy to understand.”

-Eka Goswami
Asset Accounting – British Petroleum
Prof. A. Sarath Babu
Program Director / Associate Professor - Finance & Accounting, IMT, Hyderabad

Prof. Sarath Babu has over 18 years of teaching and industry experience. He teaches contemporary and advanced courses in the area of Finance and Accounting. He has done a course on Statistical Methods in Risk Management at the London School of Economics & Political Science, and hold a Ph.D in finance from the University of Madras. He has published research papers in national and international journals. He has been conducting MDPs in finance and fintech for various corporates. Prior to joining IMT, Hyderabad, he has worked with WIPRO and Steria.

Prof. Nitin Vasant Kale
Professor of Engineering Practice Viterbi School of Engineering University of Southern California & Practitioner Faculty at IMT Hyderabad

Nitin Kalé is a Professor in the Information Technology Program (ITP) and the Epstein Department of Industrial and Systems Engineering (ISE) at the Viterbi School of Engineering, University of Southern California. He has taught at ITP since 1995 in the areas of programming, web design, interactive multimedia, Enterprise Resource Planning (ERP), and data analytics. He has also been teaching at ISE since 2005 in the area of database design and implementation. Nitin’s current areas of interest are blockchain, cryptocurrencies, database modeling, enterprise information systems, business intelligence, and big data analytics. Nitin developed a minor in Enterprise Information Systems in 2012. In 2016 he led the effort to launch a Minor in Applied Analytics which has garnered popular interest from undergraduate students at USC and is growing rapidly.
He is the recipient of the 2016 Majdi Najm Outstanding Service Award from SAP University Alliances. He received the 2020 John O’Brien Faculty Award for Service, Viterbi School of Engineering.
Prof. (Dr.) Surajit Ghosh Dastidar

Associate Professor - IT & Analytics & Chairperson - Centre for Digital Transformation
IMT, Hyderabad

Dr. Dastidar has around 20 years of experience in academics and research. He teaches courses on AI/Machine Learning, Predictive Modelling, Decision Analytics, Business Modeling and Business Statistics. He was a Visiting Research Scholar at the University of Toledo, USA. He has also participated in the Summer School at London School of Economics & Political Science - in Data Science and Big Data Analytics. In 2019, he has been recognized as SAS Faculty Scholar by SAS Institute. He has also won numerous awards such as AIMS Best Case Award, ISB Case-Chase Award, Sitaram Rao Livelihood Case Award, R. K. Srivastava Case Award, Outstanding Management Teacher Award, Young Management Researcher Award. He has published in journals like Journal of Statistical Software, International Journal of Business Analytics and Intelligence, Journal of Advances in Management Research among others. He has done Masters in Business Management from Department of Business Management, University of Calcutta with a specialization in Operations Research and Systems Analysis and a Ph.D from ICFAI University.

Mr. Sharat Chandra

Blockchain & Emerging Tech Evangelist

Mr. Sharat Chandra is a keynote speaker, Blockchain & Emerging Tech Evangelist and ecosystem builder. He advises across sectors, with a focus on blockchain and fintech. He drives engagements with Governments, Policy Makers, & Industry Associations. He is recognized as Hedera MVP and has mentored multiple start-ups in blockchain and FinTech space. He leads IET India’s Blockchain Working Group and has contributed to the formulation of Tamil Nadu Government’s Blockchain Policy. He is also associated with Barclay Rise - Barclay’s flagship FinTech mentorship program and conducts knowledge-sharing sessions with start-ups. He writes thought leadership articles on technology in ET Markets, Express Computer, NASSCOM Community, Entrepreneur India, and ET Insights. He is featured regularly in leading publications such as Financial Express, TechCircle, The Quint, LiveMint, and Inc42.
Duration and Schedule

- Six months | Online
- Sundays, 3:00 PM to 6:00 PM (IST)

Ideal For

- Early Career Professionals
- Aspiring FinTech Professionals engaged in middle or senior level in Banking, Financial Services, Management & Technology
- Entrepreneurs and Business Owners

Program Fees

Rs. 95,000/- plus GST

For further information, contact

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About NSE Academy Limited

NSE Academy Ltd. has been established as a wholly owned subsidiary of National Stock Exchange of India Limited, which promotes financial literacy and skill oriented financial markets courses with online testing and certification system. NSE Academy, in association with reputed Universities & Colleges in India, has been offering various certification programs at the campuses of the respective Universities / colleges / institutes. NSE Academy Certification courses have been designed with industry participants for grooming of candidates with industry related skills. All the programs are crafted to prepare the students for future role in the financial and technology industry.

About IMT, Hyderabad

IMT Hyderabad, a leading B School in India, offers programs in the area of Management at the post-graduate level and doctoral level. IMT Hyderabad is accredited by South Asian Quality Systems (SAQS) & the National Board of Accreditation (NBA) and is committed to nurturing socially responsible business leaders through quality management education. The mission of IMT Hyderabad is to promote academic excellence, enhance industry readiness through learner-centric pedagogy and industry-inspired curriculum, and instill social conscientiousness.