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EXECUTIVE CERTIFICATION IN **FINTECH & ARTIFICIAL INTELLIGENCE** FROM BITS SCHOOL OF MANAGEMENT

| About BITSoM

BITSoM (BITS School of Management), an integral part of the esteemed BITS Pilani legacy, stands as a beacon of excellence in business education. Located in the Mumbai Metropolitan Region, BITSoM offers a transformative learning experience driven by world class faculty who bring expertise from top global institutions. With a foundation in entrepreneurial spirit and academic rigour, BITSoM nurtures future leaders equipped to excel in an ever-changing global business landscape.

Why Choose This Course?

- **BITSoM Executive Certification:** Earn a prestigious credential from BITSoM, a new-age business school shaping future-ready leaders with global recognition.
- **FinTech Meets AI:** Master the most disruptive forces in finance—from digital payments and blockchain to applied AI and automation.
- **Learn from BITSoM Faculty & Industry Experts:** Gain insights directly from distinguished faculty and leading practitioners driving change in global financial services.
- **Industry-Relevant, Future-Ready Curriculum:** Designed for professionals, graduates, and entrepreneurs, focused on digital fluency, applied finance, and leadership readiness.
- **BITSoM Industry Network Advantage:** Leverage BITSoM's strong corporate and alumni connections for exposure to cutting-edge industry practices.
- **Industry Readiness*:** Get interview-focused coaching and AI-powered practice sessions to boost hiring outcomes.

**CGPA above 5 required*



| What Will You Learn?

- Gain a deep understanding of digital finance, blockchain, AI, and intelligent automation shaping the future of money.
- Develop the ability to make data-driven, strategic financial decisions with cutting-edge tools.
- Build the confidence to lead in FinTech-first roles and transform business growth.

Toolkit

jumio

stripe

 **PLAID**

 **python**[™]

 **+ a b | e a u**[®]

UPI
UNIFIED PAYMENTS INTERFACE

& more

| Course Details

Course Duration
6 Months

Time Commitment
7-8 hours per week

Certification
From BITS School of Management

| Course Curriculum

Module 01:

Foundations of Finance & FinTech

- Basics of money and banking
- Traditional vs. digital banking
- Evolution of FinTech, industry landscape, key sectors, and business models
- Financial markets: equity, debt, derivatives, and their role in the economy
- Lending, insurance, and investment basics
- Digital transformation in finance

Module 02:

Core Financial Systems & Markets

- Payment systems: cards, wallets, UPI, instant payments
- Payment gateways and processors
- Mobile banking and digital wallets
- Crypto currencies and stablecoins in payments
- Security in digital transactions: case studies (UPI, PayPal, Stripe)

Module 03:

Blockchain & Digital Assets

- Blockchain fundamentals: distributed ledgers, consensus mechanisms
- Public vs. private blockchains; Bitcoin and Ethereum basics
- Smart contracts and decentralised finance (DeFi)
- Tokenisation, NFTs, and digital assets in FinTech

Module 04:

Data, AI & Machine Learning Foundations

- Types of financial data: structured vs. unstructured, sources of data
- Data privacy, security, and regulations (KYC, AML, GDPR, data localisation)
- Introduction to AI, ML, DL; supervised/unsupervised/RL basics
- AI workflows: training, evaluation, deployment
- Basics of NLP

Module 05:

AI Applications in FinTech

- AI in credit scoring, risk profiling, and customer segmentation
- Fraud detection: anomaly detection, predictive models, transaction monitoring
- AI in customer engagement: chatbots, virtual assistants
- AI in wealth management: robo-advisors, portfolio management, market prediction
- AI in insurance: underwriting, claims automation, fraud detection

Module 06:

RegTech, Cybersecurity & Future Trends

- RegTech fundamentals: compliance, reporting, identity verification
- AI in AML, KYC, and real-time compliance systems
- Cyber threats in FinTech: phishing, malware, account takeover
- AI-driven cybersecurity solutions, biometrics, authentication
- Emerging trends: CBDCs, open banking, API-driven finance

Module 07:

Capstone Project

- Team-based, real world challenge integrating AI tools and operational strategy

| Industry Experts



Prof. Sudip Gupta

Professor of Finance, Johns Hopkins Carey Business School

Prof. Sudip Gupta is a globally recognised finance scholar and educator whose work bridges Artificial Intelligence, Machine Learning, and Finance. Currently a professor of finance at Johns Hopkins Carey Business School, he has pioneered research in algorithmic bias, ESG ratings, alternative credit scoring using AI, generative AI in finance, treasury auctions, and nowcasting with alternative data. His research has been published in leading academic journals such as the Journal of Money, Credit and Banking, the Quarterly Journal of Finance (Best Paper Award), and Management Science.

An award-winning teacher and researcher, Dr Gupta has taught at premier institutions worldwide, including Fordham University (as director of the top-ranked MSQF programme), Indiana University's Kelley School of Business, the Indian School of Business (ISB), NYU Stern, and the University of Maryland's Smith School of Business. At Fordham, he integrated big data and machine learning into the finance curriculum, shaping one of the most advanced programmes in the field.

He holds a Ph.D. and M.S. in economics from the University of Wisconsin–Madison and has been recognised with multiple honours, including the Best Paper Award (Quarterly Journal of Finance, 2022), the Dean's Award for Impact (Johns Hopkins Carey Business School, 2023), and finalist recognition for the Trustee Teaching Award (Kelley School of Business).

Beyond academia, Dr Gupta actively shapes industry and policy. He has served as an adviser to the Competition Commission of India, a member of the State of Karnataka's Big Data Task Force, and as a consultant for leading multinational corporations and global litigation firms. He is also a faculty fellow at the Centre for Responsible AI and affiliated with the Centre for Digital Health and AI.

Dr Gupta is a data hackathon champion, reflecting his passion for applying advanced analytics and AI to solve real world problems in finance, healthcare, and beyond.

| Admission Process



Clear Qualifier Test

You must pass the exam to confirm your seat for the program.



Complete Counselling

Only shortlisted candidates go through the counselling process.



Start Learning

Learn from India's top educators and stand out from the crowd.

| Fees Structure

Qualifier Test Fee (Non-Refundable)	₹99	
	Option 1	Option 2
	Upfront	EMI (Through our NBFC partners)
Secure Seat Fee (Non-Refundable)	₹4,000	₹4,000
Programme Fee (Non-Refundable)	₹56,000	₹6,844 x 9 months
Total	₹60,000*	₹65,596*

*GST at 18% extra, as applicable

