



भारतीय प्रबंध संस्थान तिरुचिरापल्ली  
Indian Institute of Management Tiruchirappalli

**masai**<sup>®</sup>

# PROFESSIONAL CERTIFICATE IN FINTECH & AI INNOVATION FROM IIM TRICHY

# | About IIM Trichy

The Indian Institute of Management Tiruchirappalli (IIM Trichy) is a prominent institution established in 2011, part of the prestigious IIM family. Located in the vibrant city of Tiruchirappalli, Tamil Nadu, it has rapidly grown into a significant name in management education, earning consistent recognition for its academic excellence.

## Key Highlights:

- **Rankings:** IIM Trichy is consistently ranked among India's top management institutes. As per the latest NIRF 2025 rankings, it is ranked 16th in the Management category and 9th among the IIMs. Notably, it was ranked 18th in the Business Today; MDRA B-Schools Ranking 2024.
- **Accreditation:** IIM Trichy is an AACSB Business Education Alliance Member
- **Global Collaborations:** Engages in student and faculty exchange programs, joint research, and international workshops with renowned institutions worldwide.



# | What Will You Learn?

The program offers a comprehensive blend of FinTech fundamentals and applied Artificial Intelligence. It covers digital payments, blockchain, robo-advisory, AI/ML applications in finance, and data-driven decision-making. Designed through real-world case studies, it bridges finance, technology, and innovation for future-ready professionals.

## Toolkit



# | Why Choose This Course?

- **IIM Trichy Certification:** Earn a prestigious credential from a top-tier IIM with global academic recognition.
- **FinTech Meets AI:** Get trained in the most transformative financial technologies, from blockchain to intelligent automation.
- **90+ Hours of Expert Instruction:** Learn directly from IIM Trichy's distinguished faculty and industry mentors through structured, high-impact modules.
- **Harvard Business School Case Studies:** Gain exposure to global best practices with selected HBS case studies woven into the curriculum.
- **2-Day Campus Immersion:** Experience the IIM Trichy campus, engage with faculty, and network with peers in an intensive in-person session.
- **Career-Focused Curriculum:** Tailored for working professionals, fresh graduates, and entrepreneurs aiming to lead in digital finance roles.
- **Industry Readiness\*:** Get interview-focused coaching and AI-powered practice sessions to boost hiring outcomes.

*\*CGPA above 5 required*

# | Course Details

**Course Duration**  
7 Months

**Live Classes**  
3 hours per week

**Certification**  
From IIM Trichy

# | Course Curriculum

## MODULE 1

### Foundations of FinTech in Banking & Finance

- Banking & financial services: Overview and evolution
- What is FinTech? Scope, domains & disruption
- Digital payments: UPI, IMPS, wallets, CBDCs
- Payment security, KYC/AML & fraud risk
- FinTech in lending: P2P, BNPL, neobanks
- Open banking & API-driven innovation
- Crowdfunding models & regulatory frameworks
- Bank–FinTech collaborations & embedded finance

## MODULE 2

### FinTech Innovation in Financial Markets & Regulatory Compliance

- Algorithmic & high-frequency trading (HFT)
- WealthTech, robo-advisory & digital investment platforms
- Hands-on wealth management simulation (Python, Excel)
- Alternative assets: fractional real estate, crypto ETFs
- Risks in digital investing & behavioral biases
- RegTech: KYC, AML, fraud detection tools
- Cross-border compliance challenges
- SupTech, sandboxes & ethical AI in finance

## MODULE 3

### Blockchain – Types, Architecture & Business Applications

- Bitcoin blockchain & cryptographic foundations
- Digital signatures & Bitcoin ecosystem
- Ethereum & smart contracts (EVM, PoS)
- Hyperledger Fabric: architecture & transaction flow
- Blockchain use cases in supply chain & provenance
- Evaluating need for blockchain in business
- Applications in banking, retail, government & more
- Policy & regulatory challenges in blockchain adoption

## MODULE 4

### Foundations of FinTech in Banking & Finance

- AI vs ML: foundations & learning types
- Regression, classification, clustering & neural nets
- Python for finance: Pandas, NumPy, visualization
- Credit scoring models & decision trees
- Fraud detection & anomaly detection techniques
- Evaluation metrics: accuracy, recall, ROC–AUC
- Customer segmentation & churn prediction
- Ensemble ML techniques for financial insights

## MODULE 5

### FinTech Innovation in Financial Markets & Regulatory Compliance

- Real-world project solving a FinTech/AI challenge
- Application of tools: Python, Blockchain, ML
- Group presentations & faculty feedback
- Industry relevance & practical problem-solving

# | Industry Experts



**Prof. Shalini Velappan**  
Assistant Professor, IIM Trichy

Shalini Velappan is an Assistant Professor in Finance and Accounting Area at IIM Trichy. Her research and teaching interests include asset pricing, risk management, and financial technology. She has about 8 years of industry experience developing end-to-end analytical solutions across international markets in the banking and automobile domains. She has received several fellowships & awards, such as DAAD, Germany, JRF & SRF from UGC, India, and the President award, Global Diversity Equity & Inclusion award, and Asia Pacific award from Ford Motor Company, amongst many others.



**Prof. Venkataraghavan K**  
Associate Professor, IIM Trichy

Dr. Venkataraghavan Krishnaswamy is an Associate Professor in the Information Systems and Analytics Area. He holds a PhD from the Department of Management Studies, Indian Institute of Technology Madras. His research explores the business value of information technology, emerging technologies and their applications, and enterprise information systems. With eight years of industry experience, he previously worked as a Principal Data Scientist at a telecom analytics start-up and as an ERP Package Solution Consultant at IBM and NTT India.



**Prof. Rajesh Natarajan**  
Associate Professor, IIM Trichy

Dr. Rajesh Natarajan V., currently Associate Professor of Data Science & Information Systems at IFMR-GSB, Krea University, is a seasoned Data Science and Business Analytics professional with 20+ years of experience in data sciences, data mining, AI, and ML. His rich and diverse industry background spans multiple roles, including analytics and data science project delivery, product and platform development, data science consulting and research, and leading Business Analytics Centres of Excellence (COE).

# | Admission Process



## Submit Application

Complete application form to showcase your motivation and goals.



## Complete Counselling

Only shortlisted candidates go through the counselling process.



## Start Learning

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

Applicant should have basic understanding with spreadsheets, exposure to Mathematics and Statistics, and a positive attitude towards programming tools like Python.

**Eligibility:** A graduation degree in any stream is required, and applicants from all academic backgrounds are welcome.

# | Fees Structure

| Application Fee<br>(Non-Refundable) |  | ₹99       |                                    |
|-------------------------------------|--|-----------|------------------------------------|
|                                     |  | Option 1  | Option 2                           |
|                                     |  | Upfront   | EMI<br>(Through our NBFC partners) |
| Secure Seat Fee<br>(Non-Refundable) |  | ₹4,000    | ₹4,000                             |
| Installment 1<br>(Non-Refundable)   |  | ₹40,000*  | ₹15,589 x 9 months                 |
| Installment 2<br>(Non-Refundable)   |  | ₹82,000*  |                                    |
| Total                               |  | ₹126,000* | ₹144,301*                          |

Note: All fees are non-refundable.

\*GST at 18% extra, as applicable



WhatsApp: +91 8197292840  
Email: [iimtrichy.programs@masaischool.com](mailto:iimtrichy.programs@masaischool.com)