



IIM

भारतीय प्रबंध संस्थान विशाखपट्टणम
Indian Institute of Management Visakhapatnam

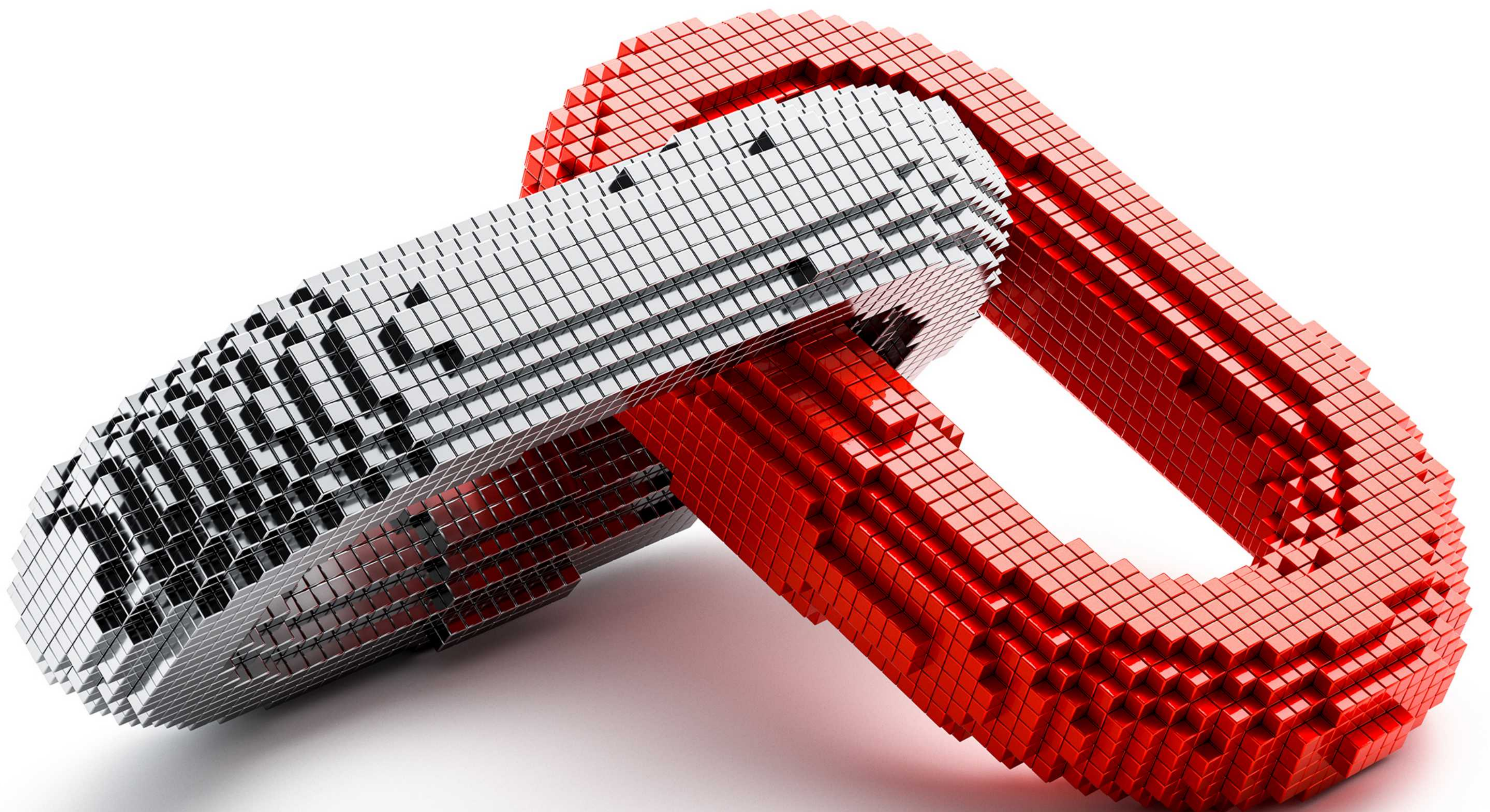
jaro education

Emerge as a FinTech-Savvy Professional

Post Graduate Certificate Program in

Blockchain Technologies and FinTech

Batch 01



Scope of FinTech Industry: 2023

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The global FinTech market is projected to reach \$305.7 billion by 2023.

*Brimco.io

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Assets under management in the Robo-Advisors segment are projected to reach US\$33.49bn in 2023.

*Statista

Program Overview

Ever-evolving FinTech industry in India is expanding at a higher pace. Various new-age technologies have entered the FinTech industry, with a view to making the ecosystem more convenient, personalized and accessible for the users. These technologies include Blockchain, Cloud Computing, Artificial Intelligence, Machine Learning, Internet of Things (IoT), Robo-Advisors, and many more. This, in turn, has also created new employment opportunities in the Finance Industry.

The Post Graduate Certificate Program in Blockchain Technologies and FinTech by IIM Visakhapatnam covers the intersection between finance and technology. It is designed to provide working professionals with a comprehensive understanding of the various technologies used to disrupt the financial industry with real-world examples, case studies, on-campus modules and a capstone project.

Program Highlights

- Executive Alumni Status
- 3 days of Campus Immersion (at the end of the program)
- Certification of Completion from IIM Visakhapatnam
- Capstone Project
- Rigorous Pedagogy
- Real-World Case Studies



Learning Outcomes

- ◆ Understanding the history, and evolution of FinTech and its impact on the financial industry.
- ◆ Understanding FinTech technologies and their applications in the financial industry
These technologies include:
 - Blockchain
 - Digital Wallets
 - Robo-Advisor
- ◆ Analyzing the regulatory and legal framework of the FinTech industry.
- ◆ Understanding the risks and challenges associated with FinTech.
- ◆ Exploring emerging technologies transforming the financial industry
These include:
 - Artificial Intelligence
 - Internet of Things (IoT)
- ◆ Understanding how financial startups and companies disrupted traditional financial
- ◆ Developing in-demand practical skills such as Data Analysis, that can be applied to FinTech industry.



Pedagogy



Direct-to-Device
(D2D)



150 Hours of
Learning



Real-world examples
and case studies

Admission Criteria

- Selections will be based on a detailed profile of the candidate in his own words elaborating on his Academic record, Profile, Designation, Salary, Roles, Responsibilities, Job Description, and a write-up on “Expectations from the Program.

Eligibility

- Diploma (10+2+3)/Graduate (10+2+3)/Post Graduate degree in any discipline from any recognized University.
- Work experience of 1 year or above is required.



Who should attend this program?

- Working professionals from the BFSI and FinTech sectors.
- Professionals working in regulatory bodies and policy.
- Professionals looking to specialise in the digital finance area.



Program Content

1 FinTech: Introduction, Application, and Usage

- FinTech Architecture and Technologies
- Latest Trends and future of FinTech
- Applications of FinTech: PayTech, CapitalTech, InvestTech
- FinTech Vs TechFin
- All about BFSI sector: Opportunities & Challenges with FinTech
- Use cases of FinTech in banks

2 Machine Learning and Artificial Intelligence

- Introduction to Machine Learning
 - ML Algorithms and applications
 - AI and applications and changing business landscape
 - AI/ML– in practice
 - Use cases and applications
- Introduction to Machine Learning and Artificial Intelligence
 - ML/AI techniques for risk management
 - ML/AI applications for risk management: Credit risk, Market risk, operational risk
 - Challenges and Future of ML/AI for risk management
 - Use cases and applications

3 Cloud Computing

- Cloud Computing Architecture
- Technologies for Cloud
- Building Robust, Secure & Scalable APIs
- API Economy, Open APIs & Connected Businesses

4 Blockchain Technology and Infrastructure

- Blocks and Blockchain, the Chain, Nodes and Network
- Blockchain in Use:
 - Trust Framework and Consensus Mechanisms
 - Public Consortium
 - Private Blockchains
 - Blockchain Interoperability

5 Blockchain and Cryptocurrency Technologies

- Cryptographic Hash Functions
- Merkle Tree
- Digital Signature
- Public and Private Keys
- Blockchains
- Proof of Work
- Mining

Program Content

6 Contracts and Hyperledgers

- Understand smart contracts
- Computational model of Smart contracts
- Hyperledger Architecture
- Hyperledger Blockchain Technology
- Use cases of Smart contracts
- Distributed Ledger Technology
- DeFi and Allied use cases

7 Cryptocurrency and ICO

- Cryptocurrencies and Digital Crypto Wallets
- Types of Cryptocurrencies and Applications
- What is an ICO?
- Importance of ICO in Alternative Finance

8 FinTech in Payments

- Payment architecture and tech
- Innovations in consumer and retail payments
- Payment Stacks in India
- B2B & B2B2C solutions

9 P2P Finance

- Concept of P2P Lending
- Information asymmetries and P2P Lending
- P2P and Marketplace Lending
- P2P Infrastructure
- Crowdfunding Architecture and Technology
- Supply Chain and Digital lending innovations

10 Neobanking and BankTech

- Branchless Banking
- Risk Management and credit profiling using AI
- Technology in Retail Banking

11 InsurTech

- Introduction
- AI/ML in InsurTech
- IoT and InsurTech
- Risk Modeling
- Fraud Detection using big data
- Robo-advising

Program Content

12 RegTech

- Evolution and Regtech Ecosystem
- Use Case of AI in Smart Regulation and Fraud Detection
- Regulatory Sandboxes
- Smart Regulation
- Policies for FinTech adaption in India
- Privacy, data security
- Compliance with financial regulations

13 FinTech company analysis

- FinTech company
- Financial statement analysis and valuation
- Asset bubble

14 Ethical and Social Implications of FinTech

- Overview of ethical and social implications of FinTech
- Privacy and data protection in FinTech
- FinTech and financial inclusion
- FinTech and the future of work

15 DeFi

- Concept of DeFi
- DeFi Properties
- DeFi and Cryptography
- DeFi and Smart Contract
- DeFi Use Case

16 Entrepreneurship and Innovation in FinTech

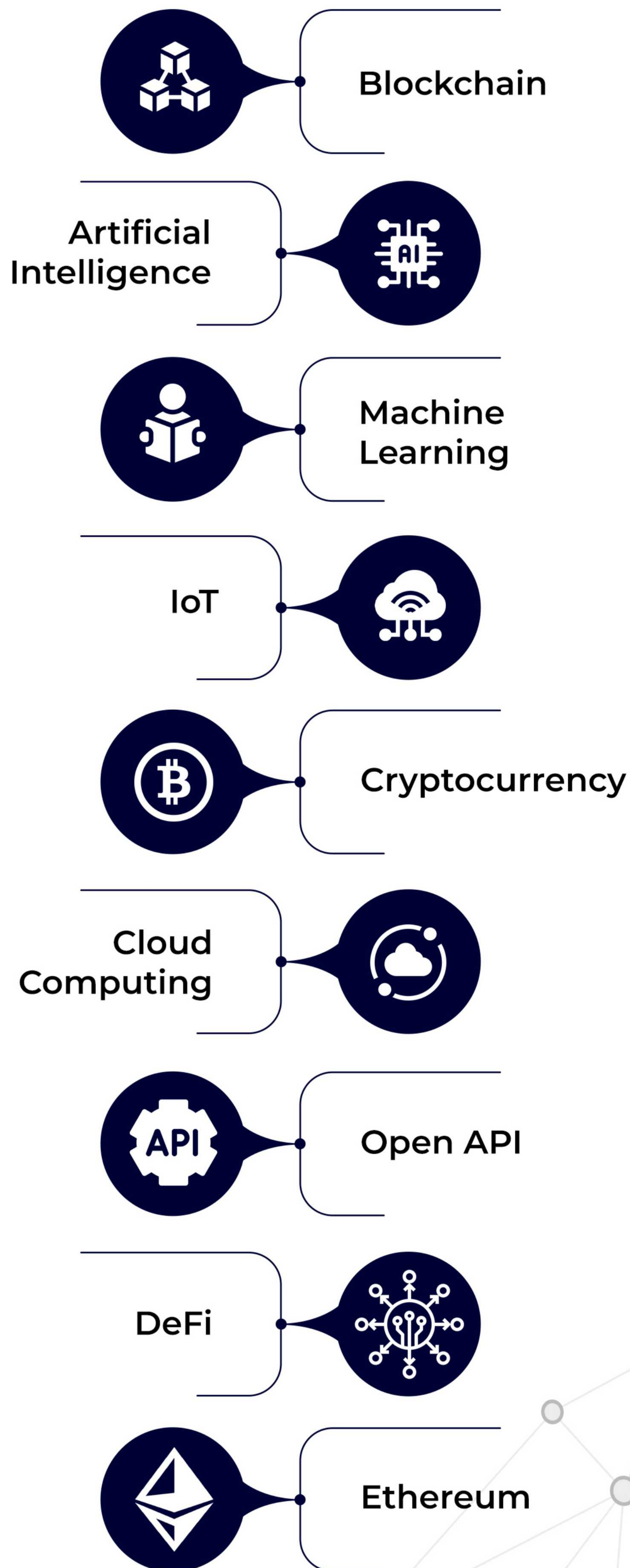
- Overview of entrepreneurship and innovation in FinTech
- Starting a FinTech company
- FinTech incubators and accelerators
- Case studies of successful FinTech startups

17 Ethereum and Solidity

- Interfacing with Ethereum Networks
- Smart Contracts with Solidity
- Advances Smart Contract

*The above content of the courses is indicative and is subject to IIM Visakhapatnam's discretion.

Delve into Emerging FinTech Technologies



Program Details

| | |
|--------------------------|-----------------------------------------|
| Batch | 01 |
| Duration | 12 Months |
| Mode | Direct-to-Device (D2D) |
| Commencement Date | July 2023 |
| Application Closure Date | 30 th June 2023 |
| Schedule Timings | Every Sunday from 10.00 am - 1.00 pm |

BLOCKCHAIN



Fee Structure

| Particulars | Amount |
|------------------------------------------|----------------------|
| Application Fee | INR 1500/- + GST |
| Total Fee (Excluding application fee) | INR 1,60,000/- + GST |

| Instalment Pattern | | |
|--------------------|--------------------|---------------------------------------|
| Particulars | Instalment Amount | Payment Schedule |
| Instalment 1 | INR 80,000/- + GST | 7 days from the date of offer release |
| Instalment 2 | INR 40,000/- + GST | |
| Instalment 3 | INR 40,000/- + GST | |

Easy EMI Option Available



Program Certification



- Participants who successfully meet the evaluation criteria and satisfy the requisite attendance criteria will be awarded a 'Certification of Completion' - "Post Graduate Certificate Program in Blockchain Technologies and FinTech"
- Participants having 70% attendance and 50% score in the assessment will get a certificate of completion. Those who do not meet the prescribed program criteria will only get a 'Certification of Participation'.



About Visakhapatnam



Rating by Shiksha.com
★★★★★



Outlook ICARE
Rankings 2021



NIRF Rankings
2022

The Indian Institute of Management (IIM) Visakhapatnam is designated as an Institution of National Importance under the IIM Act of 2017. Its overarching goal is to achieve global excellence in management and management research. The Institute's activity profile is constantly expanding in scale and scope, offering distinct academic and research programs to meet current and emerging opportunities in the industry and government. In order to strengthen its credibility as a knowledge-driven entity, the IIM Visakhapatnam aims to rank among the top 20 business schools in the country within the next five years.



Know the Facilitators



Prof. Pooja Kumari **Program Director at IIM Visakhapatnam**

Prof. Pooja Kumari has done her Ph.D. in Finance & Accounting area from Vinod Gupta School of Management, IIT Kharagpur. She has more than four years of experience in teaching. Prior to joining IIM Visakhapatnam, she worked as an Assistant Professor at IIM Jammu, FORE School of Management and IMT Hyderabad. Her research interests lie in the areas of Capital market-based accounting research, Value relevance of accounting information, Valuation of intangible assets, Valuation of R&D investments, and IFRS/Ind-AS.

Know the Facilitators



Dr. Amit Shankar **Program Co-director at IIM Visakhapatnam**

Prior to joining IIM Visakhapatnam, he was associated with IMT, Ghaziabad as Assistant Professor. He has obtained his Ph.D. in Marketing from Vinod Gupta School of Management, IIT Kharagpur. He has academic experience of 5 years working with renowned Institutes. He has published in leading journals. He has conducted several workshops on Marketing analytics, SPSS, Amos, SmartPLS, Advanced Excel, and Process Macro in premier institutes of India.