

A Joint Programme of



& **NPCI** नार्याय राष्ट्रीय भुगतान निगम
NATIONAL PAYMENTS CORPORATION OF INDIA

SECURITY, SCALE AND ACCESS FOR DIGITAL PAYMENTS

FEBRUARY 04 - 06, 2026

Programme Coordinator: **Dr. Abhishek Thakur**





Introduction

The Institute for Development and Research in Banking Technology (IDRBT) and the National Payments Corporation in India (NPCI), jointly, bring a very unique learning opportunity for all players and partners in the Indian Banking and Financial Sector. This tailor-made programme aims to enable a strong foundation and build resilience in the Indian Payment Ecosystem by bringing together Banking and FinTech professionals along with external partners such as TPAPs, ASPs, and TSPs.

Key Objectives

- ★ Provide a strong foundation in digital security and cybersecurity best practices
- ★ Equip participants with fraud detection and prevention tools tailored to the banking and financial sector
- ★ Deepen knowledge of NPCI's digital payment products and their integration into the broader financial ecosystem
- ★ Train on security techniques and cutting-edge tools to defend against evolving cyber risks
- ★ Focus on building organizational resilience in the face of cyber-attacks, ensuring continuity and recovery.

Target Participants

Banking and FinTech professionals from TPAPs, ASPs, TSPs, Banks and Financial Institutions, including:

- ★ IT, Risk and Information Security Professionals, Technical Support staff, and Incident Response & SOC teams.
- ★ Professionals responsible for managing Fraud Risk, Compliance, and Fraud Detection.
- ★ Those working with financial institutions on Payment Integrations and Cybersecurity Solutions.
- ★ Decision-makers who oversee Digital Security Strategies and Responses.

Course Contents

Foundation of Digital Security & Cyber Risk Management

- Digital Security Principles.
- Phishing, Ransomware, DDoS, Insider Threats.
- Confidentiality, Integrity, and Availability.
- Hackers, Cyber-criminals, Hacktivists, and Nation-State Actors.
- Establishing Policies, Frameworks, and Standards.
- GDPR, CCPA, RBI Cybersecurity Framework for Banks



Basics of Fraud Risk Management in Digital Banking

- Fraud Risk Management in Banking
- Types of Digital Payment Fraud
- Fraud Risk Assessment Tools and Techniques.
- Fraud Prevention Strategies
- Case Studies of Digital Fraud Incidents in Banking.
- Regulatory Expectations for Fraud Prevention

Introduction to NPCI Products and Their Impact on the Ecosystem

- Unified Payments Interface
- National Financial Switch
- Bharat Bill Payment System
- Immediate Payment Service
- Aadhaar-enabled Payment System
- RuPay Cards

Advanced Cybersecurity, Cutting-edge Security Tools, and Fraud Prevention

- Security Operation Center and its Best Practices
- Real-time Monitoring and Threat Detection (SIEM)
- Multi-Factor Authentication
- Encryption & Tokenization
- Threat Intelligence.
- Blockchain and Cyber Security
- Zero Trust Security Models

Cutting-Edge Security Measures and Cyber Threat Intelligence

- Advanced Persistent Threats: Detection and Defense Strategies.
- Ransomware Mitigation Techniques and Recovery.
- Using Data Analytics to Predict and Identify Attacks.
- Cloud Security and Financial Data Protection.
- Security for Mobile Banking Applications and Payments.
- Artificial Intelligence in Cybersecurity

Building Cyber Resilience in the Financial Sector

- Cyber Resilience
- Business Continuity Planning and Disaster Recovery
- Incident Response
- Cybersecurity Maturity Models
- Role of Red Teaming and Penetration Testing in Resilience.
- Collaborative Defense

Cyber Resilience, Compliance, and the Future of Payments

- Regulatory Frameworks



- Legal Considerations
- Compliance Audits
- Developing a Compliance Strategy for Digital Banking Systems.

Emerging Technologies and the Future of Digital Payments

- Digital Currencies and Central Bank Digital Currencies
- Artificial Intelligence in Fraud Detection and Risk Mitigation.
- Biometric Authentication in Payments.
- Security Implications of 5G for Mobile Banking.
- Smart Contracts and Blockchain Security.

Programme Coordinator

Dr. Abhishek Thakur, CTO & Asst. Professor. e-mail: abhishekt@idrbt.ac.in.

Accommodation

Participants will be provided Air Conditioned Single Occupancy accommodation at IDRBT, Hyderabad, with all cafeteria facilities. The Participants can check-in on the evening of the day before the commencement of the programme and can check-out after completion of the programme on the same day (or) in the morning of the next day of the programme.

Fee Details

Rs. 45,000/- + Applicable GST per participant.

The fees for our programmes can be remitted through NEFT and the bank account details for fee payment are here under:

Account Name	: IDRBT
Bank	: Axis Bank Limited
Branch	: Humayun Nagar (Mehdipatnam Ring Road) Branch, Hyderabad
Account Number	: 426010100018823
IFSC Code	: UTIB0000426
GSTIN	: 36AAAAI0204K1Z4.

Nominations

Nominations may be sent by filling the [Nomination Form \(click to fill the form\)](#) latest by **JANUARY 20, 2026**. Please note that no nominations will be accepted after this date. This measure is envisaged to further improve the quality and learning outcomes of the programmes based on participants' profile and requirements.

While nominating, please provide the details of the participants (Name, Designation, Bank, Mobile No / Phone No., email address) along with the nominating authority details (Name, Designation, Bank, Mobile No / Phone No., email address, Fee billing address, GST No. of the bank).



Contact Us

Please contact our Programme Office for organising Customised Programmes and/or any other queries related to programmes at hunar@idrbt.ac.in or call us on +914023294121/61/64/65.

Forthcoming Programmes of February 2026

S. No.	Programme	Date	Coordinator
1.	Intelligent Process Automation	02 - 06	Prof. V. N. Sastry & Dr. Mridla Verma
2.	Security, Scale and Access for Digital Payments (A Joint programme with NPCI)	04 - 06	Dr. Abhishek Thakur
3.	Quantum Computing	04 - 06	Dr. P. Syam Kumar
4.	Data Center Management – IT & Non-IT	09 - 13	Dr. Abhishek Thakur
5.	Containerization	09 - 11	Dr. P. Syam Kumar
6.	Customer Identity and Digital Personal Data Protection Compliance for Banks and Financial Institutions	11 - 13	Prof. V. N. Sastry
7.	Application Security & Dev-Sec-Ops	16 - 18	Dr. Abhishek Thakur & Dr. Dipanjan Roy
8.	Data Privacy and Cloud Security	16 - 20	Dr. P. Syam Kumar & Dr. Susmita Mandal
9.	End to End Implementation of AI/ML in Banking	16 - 20	Dr. V. Ravi
10.	Information Systems Controls & Audit	23 - 27	Dr. Dipanjan Roy
11.	AI/ML Red Flags: Challenges in Privacy, Security & Governance	23 - 27	Dr. Mridula Verma
12.	IT Supply Chain Risk Management	25 - 27	Dr. N. P. Dhavale

Please visit our website for more details on programmes at
<https://www.idrbt.ac.in/executive-development-programmes/>