

Programme on

BLOCKCHAIN FOR CBDC AND BEYOND

Programme Coordinators: **Dr. Susmita Mandal**

NOVEMBER 10 - 14, 2025



INSTITUTE FOR DEVELOPMENT AND RESEARCH IN
BANKING TECHNOLOGY, HYDERABAD
(ESTABLISHED BY RESERVE BANK OF INDIA)



Introduction

Blockchain technology is revolutionizing the global banking and financial services industry by introducing transparency, efficiency, and security into legacy systems. From real-time cross-border payments to smart contract-driven trade finance, blockchain is emerging as a foundational layer for the future of financial infrastructure. The financial sector is experiencing a paradigm shift driven by blockchain primitives that enable programmable payments with conditional logic, atomic settlements across multiple asset classes, fractional ownership through tokenization, and composable financial protocols that can interact seamlessly. This programme explores the transformative potential of blockchain fundamentals—including public and permissioned blockchains, smart contracts, consensus mechanisms, and asset tokenization—alongside cutting-edge developments in Central Bank Digital Currencies (CBDCs), programmable money, and decentralized finance (DeFi) integration.

Objective

Understand the blockchain technology, explore the permissioned vs public blockchains platform, consensus mechanisms, digital asset tokenization, decentralized finance (DeFi), and regulatory frameworks, with a focus on real-world banking use cases in India and globally.

Contents

- ★ Blockchain foundations: decentralization, immutability, transparency
- ★ Public vs. Permissioned Blockchains
- ★ Consensus Mechanisms
- ★ Smart Contracts and Programmable Money
- ★ Tokenization of Assets and Digital Wallets
- ★ Blockchain for Payments and Settlement
- ★ Real-time Usecases, CBDC, Trade Finance, Supply chain etc.
- ★ Security and Privacy in Blockchain Platforms
- ★ Cross-Border Transactions and FX on Blockchain
- ★ Hands-On Smart Contract Development
- ★ Regulatory Landscape and Compliance- MeitY, SEBI, RBI, BIS
- ★ Post-Quantum Cryptography and Blockchain Security
- ★ Future Trends and Regulatory Applications

Who can Participate?

Officials/Executives from IT department, Fintech innovators, IT leaders, compliance experts, Officers associated with managing security solutions (across all levels in the hierarchy).

Programme Coordinators

- ★ **Dr. Susmita Mandal**, Assistant Professor (msusmita@idrbit.ac.in)

End Use

This program will enlighten the participants to understand blockchain's core principles, technologies, and applications within banking and decentralized finance ecosystem. The vision of regulators for the CBDC and tokenization of assets can be mapped with applications useful for banking sector.

Fee Details

Domestic Participants from:

- ★ RRBs & Coop. Banks : Rs. 50,000/- + Applicable GST
- ★ All other Banks & FIs : Rs. 65,000/- + Applicable GST

The fees for the programme 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 should be sent to us latest by **OCTOBER 27, 2025** by email to hunar@idrbt.ac.in. **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).

Accommodation

Participants will be provided Air Conditioned Single Occupancy accommodation in 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.

Contact Us

Please contact our Programme Office for organizing Customized Programmes and/or any other queries related to programmes at hunar@idrbt.ac.in or call us on **040 2329 4121/61/63/64/65**.



Forthcoming Programmes of November 2025

S. No.	Programme	Date	Coordinator
1.	Blockchain for CBDC and Beyond	10 - 14	Dr. Susmita Mandal
2.	Customer Identity and Digital Personal Data Protection Compliance for Banks and Financial Institutions	12 - 14	Dr. V. N. Sastry
3.	Advanced AI/ML in Banking	17 - 21	Dr. V. Ravi
4.	Emerging Technologies in Banking	19 - 21	Dr. MVNK Prasad
5.	IT Governance & Risk, Compliance for Business Heads	19 - 21	Dr. Mridula Verma
6.	Intelligent Process Automation	24 - 28	Dr. Mridula Verma
7.	Data Privacy and Cloud Security	24 - 28	Dr. P. Syam Kumar Dr. Susmita Mandal
8.	Cyber Security for IS Auditors - Level 1	26 - 28	Dr. V. Radha Dr. Susmita Mandal
9.	Private Cloud Infrastructure Management	26 - 28	Dr. Abhishek Thakur Dr. P. Syam Kumar

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