

Programme on

BASICS OF CYBER SECURITY

Programme Coordinator: **Dr. Dipanjan Roy**

JANUARY 05 - 09, 2026



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

Introduction

In today's hyper-connected digital world, cybersecurity has become a fundamental necessity rather than an afterthought. Every individual and organization relies heavily on digital infrastructure, making it crucial to understand how to safeguard sensitive data and online assets. The “Basics of Cyber Security” programme introduces participants to key concepts, threats, and protection mechanisms that form the foundation of a secure digital environment. The sessions provide the essential awareness needed to identify, prevent, and respond to common cyber risks faced in personal and professional spheres.

Objective

The objective of this programme is to build foundational awareness and technical understanding of cybersecurity principles essential for safeguarding digital assets. It aims to equip participants with the knowledge to recognize, mitigate, and respond to emerging cyber threats while promoting best practices in secure computing, governance, and compliance. Through this programme, participants will gain insights into modern cyber risks, defensive strategies, and security frameworks that support resilient IT environments.

Contents

- ★ Introduction to Cyber Security
- ★ Fundamentals of Computer Networks & IT Infrastructure
- ★ Public Key Infrastructure (PKI) and Digital Certificates for Trusted Communication
- ★ Authentication and Access Control Techniques
- ★ Web Application Security – Understanding the OWASP Top 10
- ★ API, Containerization, Web Services & API Gateway: Concepts and Security Practices
- ★ Cloud Security Essentials
- ★ Mobile Application Security
- ★ Threat Landscape of the Digital Payment Ecosystem
- ★ IT Governance, Risk Management, and Compliance (GRC)
- ★ Cyber Security Frameworks and Best Practices
- ★ Learning from Breaches: Real-World Cyber Incidents in Banking
- ★ Vulnerability Assessment and Penetration Testing (VAPT)
- ★ Leveraging Artificial Intelligence and Machine Learning for Proactive Cybersecurity
- ★ Explainable Fraud Analytics and Threat Detection
- ★ Secure Software Development Life Cycle (SSDLC)
- ★ Regulatory and Compliance Standards – ISO 27001, NIST, and PCI-DSS
- ★ Proactive Cyber Defence Strategies

Who can Participate?

Intended for BFSI officials engaged in IT, Cyber Security Operations, Network Operations, and Payment Systems, along with professionals and enthusiasts seeking to enhance their understanding of cybersecurity

End Use

Upon completion of this programme, participants will be able to apply fundamental cybersecurity principles to their daily professional responsibilities. They will gain the capability to identify vulnerabilities, implement preventive security measures, and contribute effectively to their organization's cyber defense posture. The knowledge acquired will support informed decision-making in areas of IT governance, risk management, and compliance, thereby strengthening the overall security resilience of banking and financial institutions.

Programme Coordinator

Dr. Dipanjan Roy, Assistant Professor; e-mail: Droy@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

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, Hyd.
Account Number	: 426010100018823
IFSC Code	: UTIB0000426
GSTIN	: 36AAAAI0204K1Z4.



Nominations

Nominations may please be sent to us latest by **December 19, 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 programme 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, Fees 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 +914023294121/61/63/64/65.

Forthcoming Programmes of January 2026

S. No.	Programme	Date	Coordinator
1.	Basics of Cyber Security	05 - 09	Dr. Dipanjan Roy
2.	Digital Payment Security Controls	07 - 09	Dr. N. P. Dhavale
3.	Risk, Compliance & Innovation in the era of AI	19 - 23	Dr. Mridula Verma
4.	Containerization	21 - 23	Dr. P. Syam Kumar
5.	Security Operations Centre	28 - 30	Dr. V. Radha Dr. Dipanjan Roy
6.	Security by Design, Testing and Integration of Applications	28 - 30	Dr. V. N. Sastry

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