Institute for Development and Research in Banking Technology

(Established by Reserve Bank of India)

Castle Hills, Road No. 1, Masab Tank, Hyderabad-57, India.

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e-Programme on

RBI GUIDELINES ON CYBER SECURITY
September 21 – 24, 2021

Introduction

The Reserve Bank of India (RBI), being the regulatory body of the Indian Banking System, circulates guidelines on various aspects. For the last few years, banks and other financial sectors have become the soft targets for cybercriminals. Attacks such as Ransomware, malware insertion, phishing emails, DDos thriving exponentially.

Moreover, during the current scenario, when the COVID-19 pandemic has hit hard, many bank employees are working from home. They are using remote access, video conferencing tools to continue the progress. Cybercriminals are trying to exploit this situation. To reduce the risk, RBI and other organizations periodically circulate guidelines for cyber security, digital payment security etc. These guidelines encompass not only changes in the existing cybersecurity policies or infrastructures for the bank but also develop new policies. Training and awareness programs are one of the major components to keep their employees up to date with the recent cyber frauds & attacks.

Objective

The objective of this e-Programme is to enlighten the participant regarding the recent cyber frauds, the RBI, Interpol, WHO, CERT-in etc., measures to mitigate the risk factor. It will help the banks to strengthen their cybersecurity and digital payment security provisions.

Contents

- Cyber security framework in banks
- Control measures for ATMs
- Securely managing business continuity during Covid-19
- Guidelines for Securing WFH for employees and organizations
- Master Direction on Digital Payment Security Controls
- Recent Cyber frauds & attacks
- Secure usage of Zoom VC App
- Network Level Authentication

Mode of Teaching

Online teaching plus learning inputs through reading material, videos, webinars, assignments, quizzes, online interactions and clarifications. Each e-Programme will have four live webinars and course material will be made available in advance for study.

Who Can Participate?

Bank officials working in IT department, cyber Security Operations Centre, Network Operations Centre, Payment department and related activities.

End Use:

This e-Programme will help the participant to channelize their knowledge and awareness related to cyber security according to the guidelines of RBI and other security organizations.

Programme Coordinator:

Dr. Dipanjan Roy, Assistant Professor, IDRBT; e-mail: droy@idrbt.ac.in

Fees:

For Indian Participants

- RRBs & Coop Banks: Rs. 8,850/-(Rs. 7,500/- + 18% GST)
- All Other Banks & FI's: Rs. 11,800/-(Rs. 10,000/- + 18% GST)

For International participants

- US $ 175 (per participant, All inclusive)

Bank Account Details for Remittance of Fees

The fees for this e-programme can be remitted to the following accounts:

For Indian Participants

Account Name	:	IDRBT
Bank & Branch	:	Axis Bank Limited, Humayun Nagar, Mehdipatnam, Hyderabad
Account No.	:	426010100018823
MICR Code	:	500211012
IFSC Code	:	UTIB0000426

For International participants

Receiver's Correspondent Bank	:	JP Morgan Chase, New York, USA
Swift Code	:	CHASUS33XXX
Fed Wire Routing Number	:	ABA 021000021
Beneficiary Bank & Branch	:	Axis Bank Ltd., Mumbai, India
Account Number	:	0011407376
Beneficiary Bank Swift Code	:	AXISINBB

Ultimate Beneficiary

Account Name	:	IDRBT
Customer ID	:	030021632
Account No.	:	426010100018823
Bank & Branch	:	Axis Bank Ltd., Jubilee Hills, Hyderabad, India. (AXISINBB030)

Nominations

Banks may nominate any number of participants to these e-Programmes, which may be accepted on a first-cum-first-served basis. While nominating, please provide the details of the participants (Name, Designation, Bank, Mobile No/Phone No, email address, fees billing address, GST No. of the Bank).

Apart from nominations by banks, staff members of banks can self-nominate themselves for these e-Programmes by providing their employee credentials and paying the programme fee latest by **September 20, 2021**.

How to Register

The nominations for these e-Programmes, and queries if any, may please be sent to *eprogram@idrbt.ac.in*. Please visit *https://www.idrbt.ac.in/eprogrammes* for more details about these programmes.

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e-Programmes in September 2021

S. No.	Name of the e-Programme	Date	e-Programme Coordinator	Last Date for Nomination
1	Introduction to Authentication Techniques	06 – 09	Dr. M. V. N. K. Prasad/ Dr. N. P. Dhavale	**Sep 03, 2021**
2	Blockchain and Distributed Ledger Technology	06 – 09	Dr. N. V. Narendra Kumar	**Sep 03, 2021**
3	Social Media Analytics for Banking	13 – 16	Dr. V. Ravi	**Sep 09, 2021**
4	Introduction to Cyber Forensics	14 – 17	Dr. B. M. Mehtre	**Sep 13, 2021**
5	API Security and Governance	14 – 17	Dr. V. Radha	**Sep 13, 2021**
6	Introduction to Containers	21 – 24	Dr. P. Syam Kumar	**Sep 20, 2021**
7	RBI Guidelines on Cyber Security	21 – 24	Dr. Dipanjan Roy	**Sep 20, 2021**
8	Emerging Cyber Security Practices	27 – 30	Dr. Rajarshi Pal	**Sep 24, 2021**
9	Re-envisioning Digital Banking Systems	Sep 28 – Oct 01	Dr. Susmita Mandal	**Sep 27, 2021**

e-Programmes in October 2021

S. No.	Name of the e-Programme	Date	e-Programme Coordinator	Last Date for Nomination
1	Awareness on Payment Systems Vision 2021	04 – 07	Dr. N. V. Narendra Kumar	**Oct 03, 2021**
2	Fundamentals of Open Source Technologies	04 – 07	Dr. Mridula Verma	**Oct 03, 2021**
3	AI/ML and Data Science for Banking	04 – 07	Dr. V. Ravi	**Oct 03, 2021**
4	Secure Coding Practices	05 – 08	Dr. V. Radha	**Oct 04, 2021**
5	Technologies for Financial Inclusion	05 – 08	Dr. M. V. N. K. Prasad	**Oct 04, 2021**
6	Threats to Digital Payment Ecosystem	11 – 14	Dr. Susmita Mandal	**Oct 10, 2021**
7	Workshop on Registration Authority Operations	11 – 14	Dr. N. P. Dhavale	**Oct 10, 2021**
8	Virtualization and Cloud Computing	25 – 28	Dr. P. Syam Kumar	**Oct 24, 2021**
9	Introduction to Governance, Risks and Compliance	25 – 28	Dr. Abhishek Kumar	**Oct 24, 2021**

S. No.		Date		Last Date for Nomination
10	AI/ML for Cyber Security	26 – 29	Dr. Rajarshi Pal	**Oct 25, 2021**
11	Insider Threats - Monitoring, Analysis and Detection	26 – 29	Dr. B. M. Mehtre	**Oct 25, 2021**

e-Programmes in November 2021

S. No.	Name of the e-Programme	Date	e-Programme Coordinator	Last Date for Nomination
1	Blockchain and Distributed Ledger Technology	08 – 11	Dr. N. V. Narendra Kumar	**Nov 05, 2021**
2	Introduction to Authentication Techniques	09 – 12	Dr. M.V.N.K. Prasad & Dr. N.P. Dhavale	**Nov 08, 2021**
3	Secure Financial Infrastructure	09 – 12	Dr. Susmita Mandal	**Nov 08, 2021**
4	5G & Internet of Things (IoT) for Banks	15 – 18	Dr. V. N. Sastry	**Nov 12, 2021**
5	Introduction to Technologies for Customer Lifecycle Management	15 – 18	Dr. V. Ravi	**Nov 12, 2021**
6	Proactive Cyber Defence Strategies	16 – 19	Dr. Dipanjan Roy	**Nov 15, 2021**
7	Data Centre Management	22 – 25	Dr. P. Syam Kumar	**Nov 19, 2021**
8	Cyber Security for Remote Working Scenario	23 – 26	Dr. Rajarshi Pal	**Nov 22, 2021**
9	Dark Web Monitoring for Threat Intelligence	23 – 26	Dr. B. M. Mehtre	**Nov 22, 2021**
10	Emerging AI/ML Technologies	Nov 30 – Dec 03	Dr. Mridula Verma	**Nov 29, 2021**
11	Security Operations Centre	Nov 30 – Dec 03	Dr. V. Radha	**Nov 29, 2021**

e-Programmes in December 2021

S. No.	Name of the e-Programme	Date	e-Programme Coordinator	Last Date for Nomination
1	Re-imagining Customer Engagement with Conversational Chatbots	06 – 09	Dr. Mridula Verma	**Dec 03, 2021**
2	Awareness on Payment Systems Vision 2021	06 – 09	Dr. N.V.Narendra Kumar	**Dec 03, 2021**
3	Explainable AI/ML for Banking	06 – 09	Dr. V. Ravi	**Dec 03, 2021**
4	Introduction to Hardware Security for Banks	07 – 10	Dr. Dipanjan Roy	**Dec 06, 2021**
5	Technologies for Financial Inclusion	14 – 17	Dr. M. V. N. K. Prasad	**Dec 13, 2021**
6	Security in Cloud Computing	14 – 17	Dr. P. Syam Kumar	**Dec 13, 2021**
7	Workshop on Registration Authority Operations	20 – 23	Dr. N. P. Dhavale	**Dec 17, 2021**
8	Privacy and Security Risks in Machine Learning	21 – 24	Dr. Rajarshi Pal	**Dec 20, 2021**

9	Targeted Attacks - Detecting in early stages	21 – 24	Dr. B. M. Mehtre	**Dec 20, 2021**
10	API Development	27 – 30	Dr. V. Radha	**Dec 24, 2021**
11	Basics of IT Vendor Management	28 – 31	Dr. Abhishek Thakur	**Dec 27, 2021**