



Institute for Development and Research in Banking Technology

(Established by Reserve Bank of India)

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

e-Programme on

PROACTIVE CYBER DEFENCE STRATEGIES

January 11 - 13, 2021

Introduction

The cyberattacks or incidents are increasing exponentially not only in number but also in strength, variety and impact. Due that the organizations' reputation and business continuity are at stake. Previously, due to several reasons (such as overconfidence in their cyber resilience, ill-advised, unawareness etc.) many organizations followed reactive defence strategy and ignored the long term losses and recovery process from cyber-attacks.

For instance, in reactive defence strategy, while dealing with the NotPetya malware, all the hazardous applications will be isolated that are identified as the source of the outbreak. Short term stop-gap solutions could be installing/reconfigure the firewall, DLP solutions, and anti-malware applications. Therefore, the reactive approach is too much attack dependent, thus failed to provide a reliable solution.

It is the high time to move the needle on proactive cyber defence from the reactive strategy. In proactive cyber defence an organization needs to see from where threats are coming, how they can move within the network, how much it can exploit the systems, where the vulnerabilities are present in the defences. Find and mitigate/close those before the attackers can take any advantages.

Objectives

The objective of this e-Programme is to enlighten the participant regarding proactive cyber defence strategy, its benefits over reactive strategy, different proactive cyber defence exercises such as vulnerability assessment, breach & attack simulation (BAS), penetration testing, red team vs blue team, cyber drill and cyber security exercise. It will help the banks to strengthen their cyber defence provisions.

Contents

- Cyber Exercise
- VA vs. PT vs. BAS
- Cyber drill, Red Team vs Blue Team exercise, Bug bounty
- Tools and resources for cyber defence, Honeypot
- Case study

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?

Officers related to IT and security.

End Use:

This e-Programme will help the participant to strength their knowledge and awareness related to the cyber security and will help the banks to strengthen their cyber defence provisions.

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, Mehdiapatnam, 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 **January 10, 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.html> for more details about these programmes.

e-Programmes in January 2021

S. No.	Name of the e-Programme	Date	e-Programme Coordinator	Last Date for Nomination
1	Security Operations Centre	04 - 07	Dr. V. Radha	Jan 03, 2021
2	Targeted Attacks – Detecting in early stages	05 – 08	Dr. B. M. Mehtre	Jan 04, 2021
3	Banking Preparedness and Digital Growth Amidst Pandemic	05 – 08	Dr. Susmita Mandal	Jan 04, 2021
4	Proactive Cyber Defence Strategies	11 – 13	Dr. Dipanjan Roy	Jan 10, 2021
5	Re-imagining customer engagement with conversational Chatbots	11 – 13	Dr. Mridula Verma	Jan 10, 2021
6	Introduction to Authentication Techniques	11 – 13	Dr. M.V.N.K. Prasad & Dr. N.P. Dhavale	Jan 10, 2021
7	Data Centre Management	18 – 21	Dr. P. Syam Kumar	Jan 17, 2021
8	Mobile Banking, Social Media Banking and Mobile App Security Testing	19 – 22	Dr. V. N. Sastry	Jan 18, 2021
9	Workshop on Registration Authority Operations	19 – 22	Dr. N. P. Dhavale	Jan 18, 2021
10	Emerging Technologies for Banking	27 – 29	Dr. Rajarshi Pal	Jan 26, 2021
11	Introduction to Governance, Risk and Compliance	27 – 29	Dr. Abhishek Kumar	Jan 26, 2021