



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

August 24 - 27, 2020

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, 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 each of 45 minutes to 1 hour duration. Additional reading materials will be made available alongside.

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;

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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 **August 23, 2020**.

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.

e-Programmes in August 2020

S. No.	Name of the e-Programme	e-Programme Date	e-Programme Coordinator	Last Date for Nomination
1	Fundamentals of Internet of Things	Aug 03 - 06, 2020	Dr. V. N. Sastry	Aug 02, 2020
2	Re-envisioning Digital Banking Systems	Aug 03 - 06, 2020	Dr. Susmita Mandal	Aug 02, 2020
3	Introduction to IT Project Management	Aug 04 - 07, 2020	Dr. Abhishek Thakur	Aug 03, 2020
4	API Security and Governance	Aug 04 – 07, 2020	Dr. V. Radha	Aug 03, 2020
5	Awareness on Payment Systems Vision 2021	Aug 17 – 20, 2020	Dr. N. V. Narendra	Aug 16, 2020
6	Advances in Malware Analysis	Aug 17 – 20, 2020	Dr. B. M. Mehtre	Aug 16, 2020
7	Fundamentals of Data Centre Management	Aug 18 – 21, 2020	Dr. P. Syam Kumar	Aug 17, 2020
8	Emerging Security Practices	Aug 18 – 21, 2020	Dr. Rajarshi Pal	Aug 17, 2020
9	Proactive Cyber Defence Strategies	Aug 24 – 27, 2020	Dr. Dipanjan Roy	Aug 23, 2020
10	Fundamentals of Wi-Fi Security	Aug 24 – 27, 2020	Dr. N. P. Dhavale	Aug 23, 2020
11	Fundamentals of Open Source Technologies	Aug 25 – 28, 2020	Dr. Mridula Verma	Aug 24, 2020
12	Introduction to Technologies for Doorstep Banking	Aug 25 – 28, 2020	Dr. M. V. N. K. Prasad	Aug 24, 2020