



# 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

## PROACTIVE CYBER DEFENCE STRATEGIES

April 27 - 30, 2021

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### 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 **April 26, 2021**.

## How to Register

The nominations for these e-Programmes, and queries if any, may please be sent to [eprogram@idrbt.ac.in](mailto: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 April 2021

S. No.	Name of the e-Programme	Date	e-Programme Coordinator	Last Date for Nomination
1	Fundamentals of Open Source Technologies	05 – 08	Dr. Mridula Verma	<b>Apr 04, 2021</b>
2	Secure Coding Practices	06 – 09	Dr. V. Radha	<b>Apr 05, 2021</b>
3	Technologies for Financial Inclusion	06 – 09	Dr. M. V. N. K. Prasad	<b>Apr 05, 2021</b>
4	Data Centre Management	19 – 22	Dr. P. Syam Kumar	<b>Apr 18, 2021</b>
5	Fundamentals of Wi-Fi Security	20 – 23	Dr. N. P. Dhavale	<b>Apr 19, 2021</b>
6	5G and Internet of Things for Banks	20 – 23	Dr. V. N. Sastry	<b>Apr 19, 2021</b>
7	AI/ML for Cyber Security	26 – 29	Dr. Rajarshi Pal	<b>Apr 25, 2021</b>
8	Proactive Cyber Defence Strategies	27 – 30	Dr. Dipanjan Roy	<b>Apr 26, 2021</b>
9	Dark Web – Introduction to the Hidden side of Internet	27 – 30	Dr. B. M. Mehtre	<b>Apr 26, 2021</b>