



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

ZERO DAY THREATS AND MITIGATION

OCTOBER 31 – NOVEMBER 03, 2022

Introduction

Zero day threats are the threats which have no patch. These are used to launch targeted attacks. They are also called as advanced persistent attacks (APTs). Such attacks are well planned attacks and are hard to detect and neutralise. Detecting such attacks at an early stage is very critical.

Objective

- To introduce zero day threats, targeted attacks and APTs
- To Review of existing monitoring and detection techniques
- To see recent trends
- To give hands On Exposure /assignment

Contents

- Introduction to various terms
- Monitoring/surveillance techniques
- Detection and mitigation such threats
- Assignment for participants

Mode of Teaching

Online teaching plus learning inputs through reading material, videos, webinars, assignments, quizzes, online interactions and clarifications. Each e-Programme will have 4 live webinars and course material will be made available for study.

Who Can Participate?

Teams managing and operating SOC and C-SOC, officials identified to work in C-SOC/NoC.

End Use:

- APTs/ malware detection at an early stage
- Mitigation of cyber attacks
- To improve SOC operations

Programme Coordinator:

Dr. B. M. Mehtre, Professor, IDRBT;

e-mail: bmmehetre@idrbt.ac.in

Fees:

For Indian Participants

- RRBs & Coop Banks: Rs. 11,800/- (Rs. 10,000/- + 18% GST)
- All Other Banks & Financial Institutions: Rs. 14,750/- (Rs. 12,500/- + 18% GST)

For International participants

- US \$ 220 (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 **October 28, 2022**.

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 October 2022

S. No.	Name of the e-Programme	Date	e-Programme Coordinator	Last Date for Nomination
1	Privacy Preserving ML for Banks	10 – 13	Dr. V. Ravi	Oct 07, 2022
2	Technologies for Financial Inclusion	10 – 13	Dr. M. V. N. K. Prasad	Oct 07, 2022
3	Financial Risks and Asset Liability Management	11 – 14	Dr. V. N. Sastry	Oct 10, 2022
4	Security in Cloud Computing	17 – 20	Dr. P. Syam Kumar	Oct 14, 2022
5	API Security and Governance	18 – 21	Dr. V. Radha	Oct 17, 2022
6	Zero Day Threats and Mitigation	31 – Nov 03	Dr. B. M. Mehtre	Oct 28, 2022
7	Smart Banking using AI & ML	31 – Nov 03	Dr. Mridula Verma	Oct 28, 2022

e-Programmes in November 2022

S. No.	Name of the e-Programme	Date	e-Programme Coordinator	Last Date for Nomination
1	Explainable AI for Banks	14 – 17	Dr. V. Ravi	Nov 11, 2022
2	API Development	15 – 18	Dr. V. Radha	Nov 14, 2022
3	Post-Quantum Cryptography	15 – 18	Dr. P. Syam Kumar	Nov 14, 2022
4	Distributed Ledger Technology and Banking Applications	21 – 24	Dr. N. V. Narendra Kumar	Nov 18, 2022
5	Proactive Cyber Defence Strategies	22 – 25	Dr. Dipanjan Roy	Nov 21, 2022
6	Emerging Banking Technologies	22 – 25	Dr. Rajarshi Pal	Nov 21, 2022
7	Insider Threats	29 – Dec 02	Dr. B. M. Mehtre	Nov 28, 2022
8	Introduction to Governance, Risks and Compliance	29 – Dec 02	Dr. Abhishek Thakur	Nov 28, 2022
9	Future of Innovative Smart Banking	29 – Dec 02	Dr. Susmita Mandal	Nov 28, 2022