



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

API SECURITY AND GOVERNANCE

January 10 – 13, 2023

Introduction

APIs bring new business opportunities to banks. Opening APIs without proper assessment of risk control measures can open the banks business to a world full of opportunities to commit serious cyber-crimes.

Objective

This programme is aimed at educating the audience about, why and how the APIs are developed; the kind of threats APIs open; How to manage the security of API; What kind of governance to practice; What kind of risk control measures to be adopted etc.

Contents

- Types of API
- Sample API Development
- API Security
- SSL
- Introduction to PKI
- API Management
- API Risk and Governance
- API Lifecycle
- API Authentication and Access Control

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?

Developers, Inspection officials as well as officers in IT function involved in design, deployment and maintenance of information systems

End Use:

The participants will understand the security threats and risks that arise by opening APIs. They learn how to manage the API and take risk control measures.

Programme Coordinator:

Dr. V. Radha, Associate Professor, IDRBT; e-mail: vradha@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 **January 09, 2023**.

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/e-programmes> for more details about these programmes.

E-Programmes in January 2023

S. No.	Name of the e-Programme	Date	e-Programme Coordinator	Last Date for Nomination
1	Mobile Banking Security and Testing	03 – 06	Dr. V. N. Sastry	Jan 02, 2023
2	Threats to Digital Payment Ecosystem	03 – 06	Dr. Susmita Mandal	Jan 02, 2023
3	Containerization	10 – 13	Dr. P. Syam Kumar	Jan 09, 2023
4	API Security and Governance	10 – 13	Dr. V. Radha	Jan 09, 2023
5	Recent Cyber Crimes and Defences	10 – 13	Dr. Rajarshi Pal	Jan 09, 2023
6	Special Awareness Programme on Cyber Security	16 – 20	Dr. Rajarshi Pal	Jan 13, 2023
7	Programmable Networking	17 – 20	Dr. Subhrendu Chattopadhyay	Jan 16, 2023
8	Emerging Authentication Techniques	17 – 20	Dr. M. V. N. K. Prasad & Dr. N. P. Dhavale	Jan 16, 2023
9	Cyber Forensics for Cyber Defence - A Proactive Approach	Jan 30 – Feb 02	Dr. B. M. Mehtre	Jan 27, 2023

E-Programmes in February 2023

S. No.	Name of the e-Programme	Date	e-Programme Coordinator	Last Date for Nomination
1	IT Project Management	07 – 10	Dr. Abhishek Thakur	Feb 06, 2023
2	Emerging Cyber Security Practices	07 – 10	Dr. Rajarshi Pal	Feb 06, 2023
3	Introduction to Hardware Security	14 – 17	Dr. Dipanjan Roy	Feb 13, 2023
4	Secure Financial Infrastructure	14 – 17	Dr. Susmita Mandal	Feb 13, 2023
5	Virtualization and Cloud Computing	21 – 24	Dr. P. Syam Kumar	Feb 20, 2023
6	API Development	21 – 24	Dr. V. Radha	Feb 20, 2023
7	Special Awareness Programme on Data Science for Banks	Feb 27 – Mar 03	Dr. V. Ravi	Feb 24, 2023
8	Technologies for Financial Inclusion	Feb 28 – Mar 03	Dr. M. V. N. K. Prasad	Feb 27, 2023
9	Zero Day Threats and Mitigation	Feb 28 – Mar 03	Dr. B. M. Mehtre	Feb 27, 2023

E-Programmes in March 2023

S. No.	Name of the e-Programme	Date	e-Programme Coordinator	Last Date for Nomination
1	Privacy and Security Risks in Machine Learning	14 – 17	Dr. Rajarshi Pal	Mar 13, 2023
2	Data Centre Management	14 – 17	Dr. P. Syam Kumar	Mar 13, 2023
3	Advanced Topics in Cyber Security	14 – 17	Dr. B. M. Mehtre	Mar 13, 2023
4	Continuous Security Validation	14 – 17	Dr. V. Radha	Mar 13, 2023