



# 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

## SECURITY IN CLOUD COMPUTING

OCTOBER 17 – 20, 2022

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### Introduction

Cloud computing is a way of delivering IT enabled capabilities to users in the form of 'services' with elasticity and scalability, where users can make use of resources, platform, or software without having to possess and manage the underlying complexity of the technology. Cloud computing has attractive benefits including relief of the storage and computation burden, fine-grained data sharing, and cost savings in terms of hardware and software, etc. Although the benefits of cloud computing are tremendous, there are many new security challenges in cloud computing environment. Thus, Security and privacy issues have severely delayed the practical adoption of cloud technologies. The Banking and the financial sectors also relatively slow in adopting the cloud due to security and privacy concerns. Hence, banks need to understand cloud-computing technologies, security issues and responsibilities of cloud service provider and users before adopting cloud.

### Objective

This program discusses the different security issues in cloud computing and provides the security guidance on the use of cloud services for banks

### Contents

- Security Issues in cloud computing
- Infrastructure Security
- Virtualization Security
- Data Security and privacy
- Application Security
- Identity Access Management(IAM)
- Governance and Risk Management
- Compliance and Audit Management

### 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?

Officials working in IT implementation team and security management team at Banks and Financial Institutions

### End Use:

At the end of this program, the participants gain the knowledge on cloud computing security issues and solutions. They can also evaluate the security of cloud service providers before adopting cloud in banks.

### Programme Coordinator:

**Dr. P. Syam Kumar**, Assistant Professor, IDRBT; e-mail: [psyamkumar@idrbt.ac.in](mailto:psyamkumar@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 14, 2022**.

## 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 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	<b>Oct 07, 2022</b>
2	Technologies for Financial Inclusion	10 – 13	Dr. M. V. N. K. Prasad	<b>Oct 07, 2022</b>
3	Financial Risks and Asset Liability Management	11 – 14	Dr. V. N. Sastry	<b>Oct 10, 2022</b>
4	Security in Cloud Computing	17 – 20	Dr. P. Syam Kumar	<b>Oct 14, 2022</b>
5	API Security and Governance	18 – 21	Dr. V. Radha	<b>Oct 17, 2022</b>
6	Zero Day Threats and Mitigation	31 – Nov 03	Dr. B. M. Mehtre	<b>Oct 28, 2022</b>
7	Smart Banking using AI & ML	31 – Nov 03	Dr. Mridula Verma	<b>Oct 28, 2022</b>

### 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	<b>Nov 11, 2022</b>
2	API Development	15 – 18	Dr. V. Radha	<b>Nov 14, 2022</b>
3	Post-Quantum Cryptography	15 – 18	Dr. P. Syam Kumar	<b>Nov 14, 2022</b>
4	Distributed Ledger Technology and Banking Applications	21 – 24	Dr. N. V. Narendra Kumar	<b>Nov 18, 2022</b>
5	Proactive Cyber Defence Strategies	22 – 25	Dr. Dipanjan Roy	<b>Nov 21, 2022</b>
6	Emerging Banking Technologies	22 – 25	Dr. Rajarshi Pal	<b>Nov 21, 2022</b>
7	Insider Threats	29 – Dec 02	Dr. B. M. Mehtre	<b>Nov 28, 2022</b>
8	Introduction to Governance, Risks and Compliance	29 – Dec 02	Dr. Abhishek Thakur	<b>Nov 28, 2022</b>
9	Future of Innovative Smart Banking	29 – Dec 02	Dr. Susmita Mandal	<b>Nov 28, 2022</b>