



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

BIG DATA AND CLOUD

DECEMBER 19 – 22, 2022

Introduction

Big data refers to high volume, high velocity, and/or high variety information assets, due to its high volume and complexity, it becomes difficult to process big data using traditional database management tools. Hence, new platforms, frameworks and methodologies are required for big data storage, management, data safety and data analytics. Cloud is a best option for storing and processing big data, because the cloud has capabilities of storing big data and processing high volume of user access requests in an efficient way. Cloud also enables computing resources to be provided as IT services in a pay-as-you-go fashion with high efficiency and effectiveness. When hosting big data into the cloud, security and privacy are major concerns, which also need to be addressed in the cloud.

Therefore, it is important to understand the integration of Big data and cloud computing technologies, what impacts it will have on banking sector and what are the challenges and emerging solutions to address these challenges.

Objectives

- Understand how Big Data and cloud technologies useful for banking sector
- Understand big data analytics using cloud platform
- Understand security and privacy challenges and solutions for Big Data in the cloud

Contents

- Introduction to Big data
- Architecture of Big data
- Hadoop Framework
- Hadoop Ecosystem
- Overview of Cloud Computing
- Cloud delivery and deployment models
- Cloud Infrastructure for Big Data
- Big data analytics in Cloud
- Big Data Security and privacy

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?

Bank officials from various departments like IT, Data Centre, Risk Management, Data Analytics and Security.

End Use:

The participants can gain knowledge on Technologies like, Big data, big data analytics, Cloud Computing and resolve the challenges related to these technologies for banking applications.

Programme Coordinator:

Dr. P. Syam Kumar, Assistant Professor, IDRBT. Email: 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 **December 16, 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 December 2022

S. No.	Name of the e-Programme	Date	e-Programme Coordinator	Last Date for Nomination
1	Technologies for Financial Inclusion	05 – 08	Dr. M. V. N. K. Prasad	Dec 02, 2022
2	RBI Guidelines on Cyber Security	06 – 09	Dr. Dipanjan Roy	Dec 05, 2022
3	Re-envisioning Digital Banking Systems	13 – 16	Dr. Susmita Mandal	Dec 12, 2022
4	Big Data and Cloud	19 – 22	Dr. P. Syam Kumar	Dec 16, 2022
5	Continuous Security Validation	20 – 23	Dr. V. Radha	Dec 19, 2022
6	Applications of Dark Web	27 – 30	Dr. B. M. Mehtre	Dec 26, 2022
7	Cyber Security for Remote Working Scenario	27 – 30	Dr. Rajarshi Pal	Dec 26, 2022