

## Programmes Scheduled in February 2023

S. No.	Programme	Date	Coordinator
1	IT Operational Risk Management	06 - 08	Dr. N. P. Dhavale
2	Biometric Payment Systems	06 - 08	Dr. MVNK Prasad
3	Secure Coding Practices	06 - 08	Dr. V. Radha
4	Robotic Process Automation	13 - 15	Dr. Rajarshi Pal
5	Big Data and Cloud	13 - 17	Dr. P. Syam Kumar
6	Payment Systems	13 - 17	Dr. Susmita Mandal
7	Server-less Compute Platforms	20 - 22	Dr. Subhrendu
8	Mobile Application Development and Security Testing	20 - 24	Dr. V. N. Sastry
9	Blockchain for Banking	Feb 27 - Mar 01	Dr. Susmita Mandal
10	Information Systems Control and Audit	Feb 27 - Mar 03	Dr. Dipanjan Roy
11	IT Project Management & Vendor Management	Feb 27 - Mar 03	Dr. Abhishek Thakur
12	Fraud Analytics	Feb 27 - Mar 03	Dr. Mridula Verma

Please visit our website for more details at : <https://www.idrbt.ac.in/offline-programmes>

### Programme Office

Please contact our Programme Office for organizing Customized Programmes and/or any other queries related to programmes:

**Mr. K. Srinivas**  
Administrative Executive

**Mr. D. Chaitanya**  
Administrative Executive

Institute for Development and Research in Banking Technology  
Castle Hills, Road No. 1, Masab Tank, Hyderabad - 500 057, India.

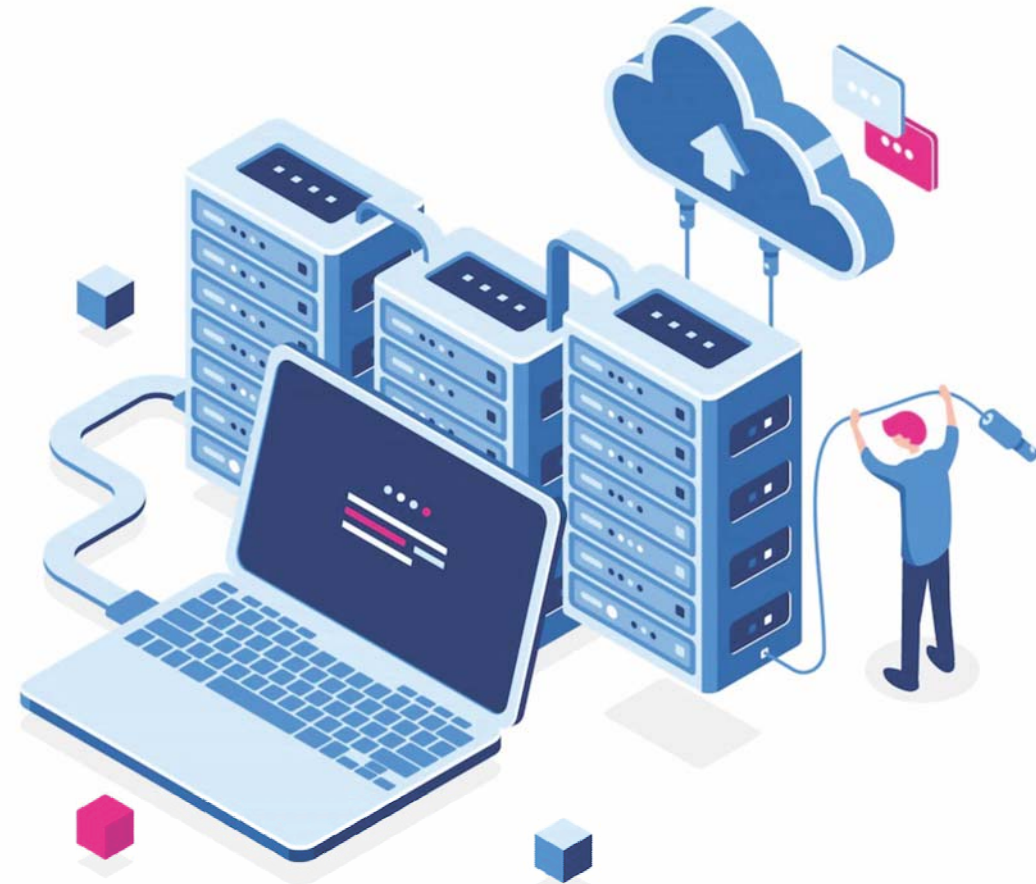
**Phone:** +91-40-2329 4121 / 22 / 24 / 25

**Web:** [www.idrbt.ac.in](http://www.idrbt.ac.in) **E-mail:** [program@idrbt.ac.in](mailto:program@idrbt.ac.in)

# BIG DATA AND CLOUD

**Coordinator:** Dr. P. Syam Kumar

**FEBRUARY 13 – 17, 2023**



## Big Data and Cloud February 13 – 17, 2023

Coordinator: Dr. P. Syam Kumar, Assistant Professor, IDRBT

e-mail: [psyamkumar@idrbt.ac.in](mailto:psyamkumar@idrbt.ac.in)

### 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, 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. Therefore, it is important to understand how to integrate Big data and cloud technologies for data storage and processing, 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
- \* To explore the fundamental concepts of big data analytics
- \* To understand the applications using Map Reduce Concepts.
- \* To introduce programming tools PIG & HIVE in Hadoop echo system.
- \* Understand big data analytics using cloud platforms
- \* Understand Big Data and Cloud challenges and Solutions

### Contents

- \* Introduction to Big Data Analytics
- \* Hadoop Architecture
- \* Hadoop Distributed File System
- \* Hadoop Framework
- \* Hadoop Ecosystem
- \* Zookeeper
- \* Spark
- \* Overview of Cloud Computing
- \* Cloud delivery and deployment models
- \* Public Cloud platform
- \* Cloud Infrastructure for Big Data
- \* Big Data Analytics in Cloud
- \* Big Data Security and privacy in cloud
- \* Hands on Hadoop Installation and setup
- \* Hands on Map reduce programming
- \* Hands on Pig and Hive tool

### Who Can Participate?

Bank officials from scale IV to above.

### Faculty

Faculty of IDRBT, Guest Speakers from the Industry & Practitioners.

### End Use

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

### Fee Details

#### Domestic Participants from

- \* RRBs & Coop Banks : Rs. 59,000/- (Rs. 50,000/- + 18% GST)
- \* All other Banks & FIs: Rs. 70,800/- (Rs. 60,000/- + 18% GST)

#### Foreign Participants from

- \* SAARC Countries : US \$1180/- (US \$ 1000/- + 18% GST)
- \* Other Countries : US \$ 1770/- (US \$ 1500/- + 18% GST)

The fees for our programmes can be remitted through NEFT and the bank account details for fee payment available at: <https://bit.ly/3PXGK35>.

### Bank Account Details for Remittance of Fees

Account Name : IDRBT  
Bank : Axis Bank Limited  
Branch : Humayun Nagar (Mehdipatnam Ring Road) Branch, Hyderabad  
Account Number : 426010100018823  
IFSC Code : UTIB0000426  
GSTIN : 36AAAAI0204K1Z4.

### Nominations

Nominations should be sent to us latest by **FEBRUARY 07, 2023** by email to [program@idrbt.ac.in](mailto:program@idrbt.ac.in)

While nominating, please provide the details of the participants (Name, Designation, Bank, Mobile No / Phone No., email address) along with the nominating authority details (Name, Designation, Bank, Mobile No / Phone No., email address, Fees billing address, GST No. of the bank).

### Venue & Timings of Programme

Venue: IDRBT Timings: 9.30 AM to 5.30 PM

### How to Reach IDRBT

A major landmark near Masab Tank flyover is NMDC. IDRBT is located just behind NMDC. Google Pin: <http://bit.ly/IDRBT>

### Accommodation and Travel Plans

The boarding & lodging arrangements will be made at IDRBT, Hyderabad. The participants will be provided single occupancy a/c rooms.

Check-in : From 3.00 PM on Sunday, February 12, 2023.

Check-out : 7.00 AM on Saturday, February 18, 2023.