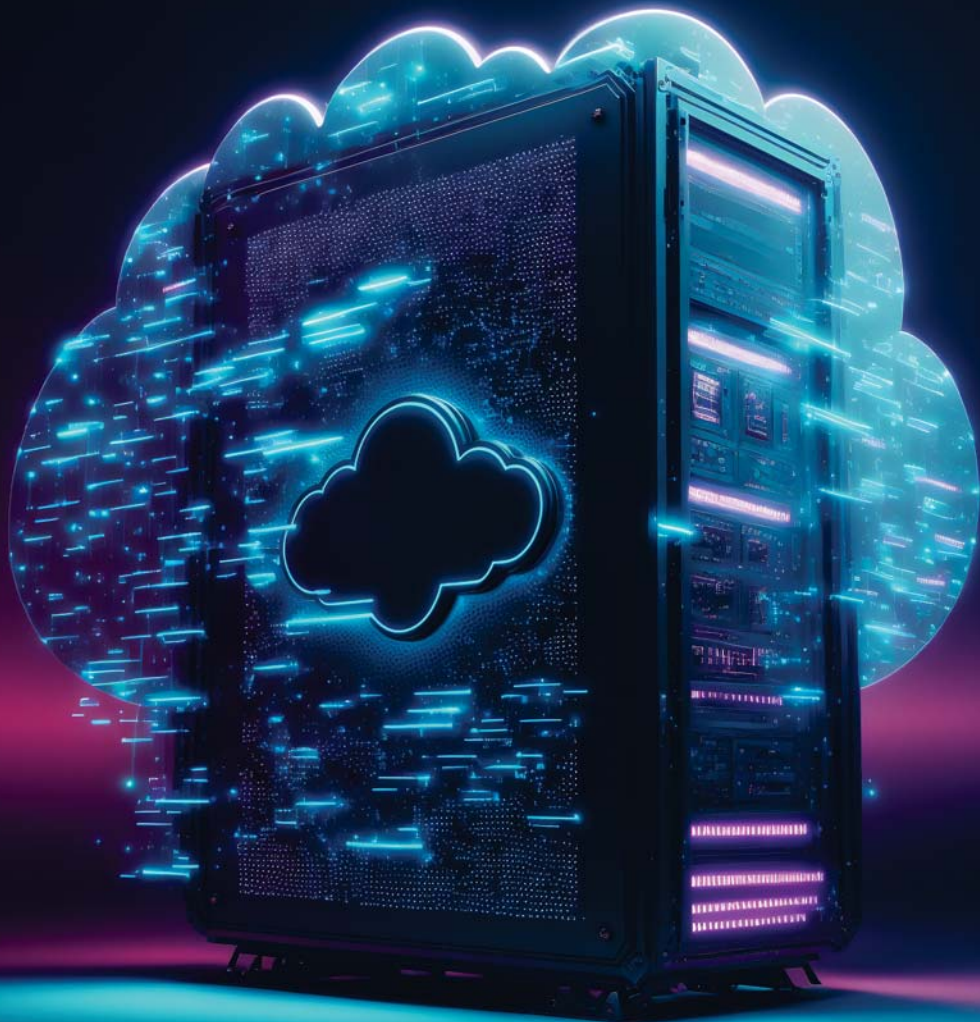


Programme on

BIG DATA AND CLOUD

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

JULY 17 - 21, 2023
(Offline Mode)



INSTITUTE FOR DEVELOPMENT AND RESEARCH IN
BANKING TECHNOLOGY, HYDERABAD
(ESTABLISHED BY RESERVE BANK OF INDIA)

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. 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
- ★ To explore the fundamental concepts of big data analytics
- ★ To understand the data analytics using Map Reduce Concepts.
- ★ To introduce programming tools PIG & HIVE in Hadoop ecosystem.
- ★ 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 Analytics
- ★ Hadoop Architecture
- ★ Hadoop Distributed File System
- ★ Hadoop Framework
- ★ Hadoop Ecosystem
- ★ Spark
- ★ Overview of Cloud Computing
- ★ Cloud delivery & deployment models
- ★ 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 tools
- ★ Hands on Spark

Who can Participate?

Officials from Data Analytics, System Administrators, Data Base Administrator, Information Security Officers can participate in this programme.

End Use

At 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)
- ★ All other Banks & Fis: US\$ 1770/- (US\$ 1500/- + 18% GST)

The fees for our programmes can be remitted through NEFT and the bank account details for fee payment are here under:

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 **JULY 11, 2023** by email to 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).

Accommodation

Participants will be provided Air Conditioned Single Occupancy room at IDRBT, Hyderabad, with all cafeteria facilities. The Participants can check-in on the evening of one day before the programme and can check-out after completion of the programme on the same day (or) in the morning of the next day of the programme.

Programmes Scheduled in July 2023

S. No.	Programme	Date	Coordinator
1	Malware Analysis	03 - 07	Dr. Rajarshi Pal
2	Advanced AI/ML in Banking	10 - 14	Dr. V. Ravi
3	Information Systems Control and Audit	10 - 14	Dr. Dipanjan Roy
4	Continuous Security Validation	17 - 19	Dr. V. Radha
5	Big Data and Cloud	17 - 21	Dr. P. Syam Kumar
6	IT Project and Vendor Management	24 - 28	Dr. Abhishek Thakur

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

Contact Us

Please contact our Programme Office for organizing Customized Programmes and/or any other queries related to programmes at program@idrbt.ac.in or call us on +914023294121/22/24/25.



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