

Programme on **Data Centre Management and Virtualization**

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

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



Introduction

Data centers are centralised locations where computing and networking equipment is concentrated for the purpose of collecting, storing, processing, distributing or allowing access to large amounts of data. With the implementation of Core Banking Solution, every bank has set up a data center. A business typically relies heavily on the applications, services and data contained within a data center, making it a critical asset for daily operations. Hence, creating a comprehensive data centre design that supports the critical needs of the business, examining in-depth the key constraints of data centre functionality to deliver a balanced, efficient and sustainable solution is important.

Data centre virtualization is the process of transforming physical data centre to virtual data centre using virtualization technologies, which constitute a key enabling factor for flexible resource management and cost savings in modern data centres, particularly in cloud computing environments.

With data centre virtualization products, banks can increase IT agility and create a seamless foundation to manage private and public cloud services alongside traditional on-premises infrastructure. Moreover, virtual data centres are highly scalable, available and secure.

In this context, this programme helps data center managers to improve the operations of their data centres to the optimum level. Further, this programme also helps create and manage virtual data centres using virtualization technologies.

Objectives

- ★ To understand the concepts and intricacies of data centers
- ★ To explore and experience data center management practices to improve efficiency and effectiveness in this crucial area of operation.
- ★ To understand Virtualization Technologies for creating virtual data centres
- ★ To enable efficient resource management in virtualized data centers

Contents

- ★ Data Centre Design and Operations
- ★ Data Centre Infrastructure Management (Building, Power, HVAC, Cable, Physical Layer)
- ★ Business Continuity Planning and Disaster Recovery
- ★ Greening Data Centre
- ★ Data Centre Auditing
- ★ Data Centre Security
- ★ Virtualization Technologies
- ★ Hypervisors and Tools
- ★ Containers
- ★ Container Orchestration
- ★ Data Centre Virtualization
- ★ Building Virtual Data Centres
- ★ Cloud Datacentre Management
- ★ Hands-on Practice

Who can Participate?

Officers of Banks / Financial Institutions / Insurance Sector who are working in and/or managing data centres.

End Use

Participants will gain comprehensive understanding of how to effectively manage the data centre environments physically and virtually.

Programme Coordinator

Dr. P. Syam Kumar, Assistant Professor. e-mail: psyam@idrbt.ac.in.

Accommodation

Participants will be provided Air Conditioned Single Occupancy accommodation in IDRBT, Hyderabad, with all cafeteria facilities. The Participants can check-in on the evening of the day before the commencement of 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.

Fee Details

Domestic Participants from

- ★ RRBs & Coop. Banks : Rs. 59,000/- (Rs. 50,000/- + 18% GST)
- ★ All other Banks & FIs : Rs. 76,700/- (Rs. 65,000/- + 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 04, 2025** by email to hunar@idrbt.ac.in. Please note that no nominations will be accepted after this date. This measure is envisaged to further improve the quality and learning outcomes of the programmes based on participants' profile and requirements.

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, Fee billing address, GST No. of the bank).

Contact Us

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