Programme on
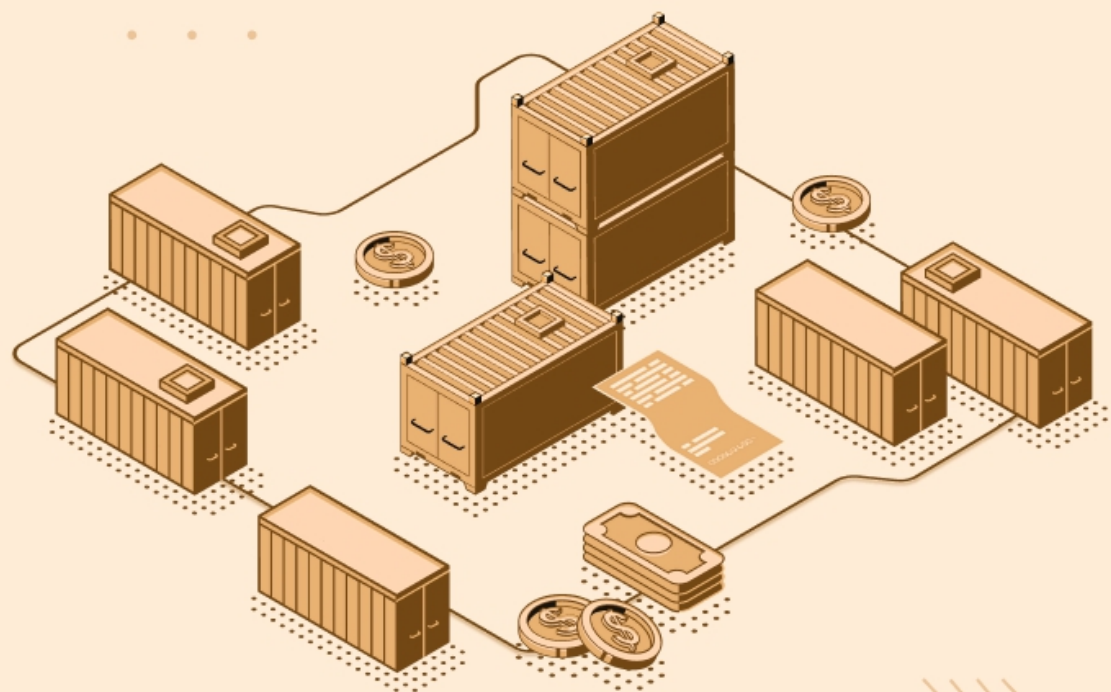# CONTAINERIZATION

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

INSTITUTE FOR DEVELOPMENT AND RESEARCH IN BANKING TECHNOLOGY, HYDERABAD

(ESTABLISHED BY RESERVE BANK OF INDIA)

Introduction

In the recent years, container-based virtualization for applications has gained immense popularity thanks to the success of technologies like Docker, and Kubernetes, etc., are witnessing widespread adoption in the industry today. These Container technologies have eliminated the feature parity between development and production environment by enabling developers to package applications and their dependencies as a single unit that can be run across diverse operating environments. Containerization is foundational for organizations wanting to build and leverage apps based on microservices where developers can focus on shipping features while DevOps platform teams focus on deployment and management.

The Docker and Kubernetes are two container pivotal tools used in the industry – Docker is a platform that enables developers to create, package, and distribute applications easily, and Kubernetes, is an open-source program for automating the deployment, scaling, and management of containerized applications. This course equips the participants with essential knowledge and hands-on experience in containerization, mainly focusing on Docker and Kubernetes.

Objective

In this program, participants will learn fundamentals of containers and also learn how build and deploy application using container technologies like Docker and Kubernetes. Further, participants can also learn about container security.

Contents

* Introduction to Containers
* Virtualization
* Overview of Docker
* Docker Architecture
* Docker File and Images creation
* Docker Hub
* DevOps
* Hands on Build and deploy on Docker
* Container Orchestration
* Overview of Kubernets
* Kubernetes Architecture
* Installing Kubernetes clusters
* Services, Pods,
* Hands on Build and deploy on Kubernetes
* Containers on Cloud
* Container Security

Who can Participate?

Officers of Banks / Financial Institutions / Insurance Sector who work in Development team including developers, testers, architects. Level: Scale I to IV

Programme Coordinator

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

End Use

By end of this program, participants will have an excellent understanding of containers, how to create containers, deploy microservices and also container security.

Fee Details

Domestic Participants from

* RRBs & Coop. Banks :   Rs. 38, 000 + Applicable GST
* All other Banks & Fis :   Rs. 45, 000 + Applicable 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 may be sent by filling the ☞*Nomination Form (click to fill the form*) latest by **JANUARY 23, 2026***.* **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).

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.

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 040 2329 4141/21.

Forthcoming Programmes of February 2026

S. No.	Programme	Date	Coordinator
1.	Intelligent Process Automation	02 - 06	Prof. V. N. Sastry & Dr. Mridla Verma
2.	Security, Scale and Access for Digital Payments (A Joint programme with NPCI)	04 - 06	Dr. Abhishek Thakur
3.	Quantum Computing	04 - 06	Dr. P. Syam Kumar
4.	Data Center Management – IT & Non-IT	09 - 13	Dr. Abhishek Thakur
5.	Containerization	09 - 11	Dr. P. Syam Kumar
6.	Customer Identity and Digital Personal Data Protection Compliance for Banks and Financial Institutions	11 - 13	Prof. V. N. Sastry
7.	Application Security & Dev-Sec-Ops	16 - 18	Dr. Abhishek Thakur & Dr. Dipanjan Roy
8.	Data Privacy and Cloud Security	16 - 20	Dr. P. Syam Kumar & Dr. Susmita Mandal
9.	End to End Implementation of AI/ML in Banking	16 - 20	Dr. V. Ravi
10.	Information Systems Controls & Audit	23 - 27	Dr. Dipanjan Roy
11.	AI/ML Red Flags: Challenges in Privacy, Security & Governance	23 - 27	Dr. Mridula Verma
12.	IT Supply Chain Risk Management	25 - 27	Dr. N. P. Dhavale

Please visit our website for more details on programmes at
https://www.idrbt.ac.in/executive-development-programmes/