

Programme on

NETWORKS AND NETWORK MANAGEMENT FOR BANKS

Coordinator: **Dr. Abhishek Thakur**

OCTOBER 30 - NOVEMBER 03, 2023
(Offline Mode)



Introduction

Pervasive usage of information and communication technologies in the bank across their offerings necessitates a good understanding of network and network management concepts for the IT teams in the banks. This program provides an essential foundation for networking concepts and introduces emerging concepts like 5G, converged and software-defined networks. Besides networking concepts in the data-centre, it also covers the connectivity and security for branches, PoS terminals and similar merchant/BC devices.

It utilizes open-source platforms to provide hands-on debugging, troubleshooting and integration exposure to the participants. Further, it introduces basic network management concepts and shares the best practices for network management.

Objectives

- ★ The participants would gain an understanding of the networking stack (physical layer to application layer).
- ★ They would also be able to understand the usage of various networking devices in bank networks and compare different deployment architectures for their strengths and weaknesses.
- ★ Participants would also gain experience with emerging trends like software-defined networks and wireless communication (IoT, 5G Private Networks and Satellite Networks).

Contents

- ★ Understanding the OSI model and TCP / IP Stack
- ★ IP – networking and routing concepts
- ★ Wireshark / Netstat – Basics on network debugging
- ★ Physical network elements in Banks (routers, switches, firewalls, proxies, load balancers etc.)
- ★ Software enablers for networks – DNS, Active Directory / LDAP etc.
- ★ Data Center Networks (SAN / LAN Convergence)
- ★ Software Defined Networking
- ★ Wireless networks WiFi, LoRa and Private 4G/5G Networks
- ★ Networks for IoT and machine-to-machine transactions
- ★ Satellite Communication
- ★ SNMP and related tools
- ★ Logs, traces and other debugging tools
- ★ Clouds, API and service-oriented Architecture
- ★ Scaling different parts of networks to reduce the bottleneck
- ★ Networks and BCP – case study
- ★ Basics of NoC and Capability Maturity

Who can Participate?

Executives of Banks/Financial Institutions/Insurance sectors.

End Use

Generic bankers with some IT exposure would be better equipped to manage and monitor their network infrastructure.

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 **OCTOBER 24, 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 October 2023

S. No.	Programme	Date	Coordinator
1	Continuous Security Validation	16 - 18	Dr. V. Radha
2	Advance AI/ML for Cyber Security	16 - 20	Dr. Mridula Verma
3	DevOps and Cloud Computing	16 - 20	Dr. P. Syam Kumar
4	Social Media Analytics	Oct 30 - Nov 03	Dr. V. Ravi
5	Networks and Network Management for Banks	Oct 30 - Nov 03	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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