

Programmes Scheduled in January 2023

S. No.	Programme	Date	Coordinator
1	Data Centre Management and Virtualization	02 - 06	Dr. P. Syam Kumar
2	Emerging Technologies for Cyber Security	02 - 06	Dr. Dipanjan Roy
3	Cyber Security Drills	09 - 11	Dr. B. M. Mehtre
4	Emerging AI ML Technologies	09 - 11	Dr. Mridula Verma
5	Networks & Network Management for Banking	09 - 13	Dr. Abhishek Thakur
6	End-to-End Implementation of AI/ML Models in Banks	16 - 18	Dr. V. Ravi
7	Red Team and Blue Team Exercise	16 - 18	Dr. B. M. Mehtre
8	Security Operations Centre	16 - 20	Dr. V. Radha
9	Smart Banking using AIML	23 - 25	Dr. Mridula Verma
10	Workshop on Registration Authority Operations	30 - 31	Dr. N. P. Dhavale
11	Technologies for Financial Inclusion	Jan 30 - Feb 01	Dr. MVNK Prasad
12	Advanced AI/ML in Banking	Jan 30 - Feb 03	Dr. V. Ravi
13	Bank of the Future	Jan 30 - Feb 03	Dr. Susmita Mandal

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 **E-mail:** program@idrbt.ac.in

Advanced AI/ML in Banking

Coordinator: **Dr. V. Ravi**

JANUARY 30 – FEBRUARY 03, 2023



Advanced AI/ML in Banking

January 30 – February 03, 2023

Coordinator: **Dr. V. Ravi**, Professor, IDRBT
e-mail: [vravi@idr bt.ac.in](mailto:v ravi@idr bt.ac.in)

Introduction

AI/ML has a pervasive effect in service industries including banking. This field has revolutionized the way business is done in retail marketing and changed the face of all service industries. Banking also has witnessed irreversible changes in the way customer relationships are managed, operations are conducted and risks are mitigated. Data science subsuming AI/ML, big data analytics and social media analytics has solved important use cases in banking viz., customer acquisition, customer churn prediction, fraud detection, credit scoring, loan default prediction, sentiment analysis etc. While making significant inroads into these use case AI/ML has brought in mind boggling transformational changes in the way operations conducted directly with customer, spreading business outlets (branches, ATMs) to newer regions, ATM Cash replenishment, etc. Robotic process automation, chatbots are prime examples of the application of AI apart from the myriad of applications of ML as mentioned above. Network and information security also are also impacted by the onslaught of AI/ML. Successful implementation of AI/ML and data science makes the digital journey of a bank complete, profitable, sustainable, safe and rewarding.

Objective

- ★ To make the participants aware of the new developments in this field and influence them to join the bandwagon for overall growth of the banking industry
- ★ To provide adequate and gentle introduction to the advanced areas of AI/ML, namely, Explainable AI (XAI), Adversarial ML, Federated Learning, Privacy Preserving ML and Reinforcement Learning
- ★ To convince the bankers with use cases, rigorous hands-on sessions, best practices and PoCs conducted at the Centre for AI and ML (formerly Centre of Excellence in Analytics), IDRBT

Contents

- ★ Introduction to AI/ML
- ★ Introduction to Data Science (subsuming big data and social media analytics)
- ★ Introduction to Python programming
- ★ Rigorous hands-on sessions on the case studies in banking on the important problems of CRM, Fraud Risk prediction, Security and Operations covering the afore-mentioned new areas
- ★ Best practices, critical success factors, framework for AI/ML implementation in banks

Who Can Participate?

Officers and executives up to and including AGM level from analytics wing, credit department, digital banking, transaction banking, marketing, IT, Security, SOC.

Faculty

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

End Use

- ★ Participants shall be introduced gently to this exciting field, several concepts will be demystified.
- ★ Participants will have basic understanding on the usefulness AI/ML & Data Science in every sphere of activity of banking
- ★ They can ask the vendors pertinent and pointed questions

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>.

Nominations

Nominations should be sent to us latest by **JANUARY 24, 2023** by email to program@idr bt.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).

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.

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, January 29, 2023.

Check-out : 7.00 AM on Saturday, February 04, 2023.