

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

End-to-end implementation of AI/ML in Banks

Coordinator: Dr. V. Ravi

JANUARY 16 - 18, 2023



End-to-end implementation of AI/ML in Banks

January 16 - 18, 2023

Coordinator: **Dr. V. Ravi**, Professor, IDRBT
e-mail: vravi@idrbt.ac.in

Introduction

AI/ML has a phenomenal impact on how business is conducted and operations are performed in a bank. 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, has solved important use cases in banking viz., customer acquisition, customer churn prediction, fraud detection, credit scoring, loan default prediction, sentiment analysis etc. Network and information security also are also impacted by the onslaught of AI/ML. Successful implementation of data science (AI/ML subsumed) makes the digital journey of a bank complete, profitable, sustainable, safe and rewarding. However, the crunch issue not very often addressed is the end-to-end implementation of these advanced models right from the business problem definition, to data preparation to model building, evaluation and finally deploying the model so that the banks gets full benefit of the whole exercise. MLOPS developed and retrofitted on the lines of DevOps has some drawbacks, which will be discussed. The entire framework of CRISP-DM can be seamlessly retrofitted to the AI/ML strategy too because essentially, AI/ML models, apart from statistical methods, are the techniques employed for data mining purposes.

Objective

- ★ To make the participants aware of the role played by AI/ML models for overall growth of the banking industry
- ★ To provide adequate introduction to AI/ML, and CRISP-DM, MLOPS, Docker, containers, Kubernetes
- ★ To conduct rigorous hands-on sessions on the afore-mentioned use cases using the Kubernetes at the Centre for AI and ML (formerly Centre of Excellence in Analytics),

Contents

- ★ Introduction to AI/ML
- ★ Introduction to Data Science (subsuming big data and social media analytics)
- ★ Introduction to Python programming, CRISP-DM, MLOPS, Docker, containers, Kubernetes
- ★ Rigorous hands-on sessions on the case studies in banking using the Kubernetes at the

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 implement AI/ML models end-to-end, i.e. from data pre-processing to model building to deployment

Fee Details

Domestic Participants from

- ★ RRBs & Coop Banks : Rs. 41,300/- (Rs. 35,000/- + 18% GST)
- ★ All other Banks & FIs: Rs. 46,020/- (Rs. 39,000/- + 18% GST)

Foreign Participants from

- ★ SAARC Countries : US \$708/- (US \$ 600/- + 18% GST)
- ★ Other Countries : US \$ 1062/- (US \$ 900/- + 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>.

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.

Nominations

Nominations should be sent to us latest by **JANUARY 10, 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,

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 15, 2023.

Check-out : 7.00 AM on Thursday, January 19, 2023.