



Institute for Development and Research in Banking Technology

(Established by Reserve Bank of India)

Castle Hills, Road No. 1, Masab Tank, Hyderabad-57, India.

e-Programme on

AI/ML AND DATA SCIENCE IN BANKING

October 12 - 15, 2020

Introduction

AI/ML has caught the imagination of researchers and practitioners in all disciplines, banking being no exception. This field has revolutionized the way business is done in retail marketing and changed the face of all service industries. Banking being a very important segment in that family of service industries has witnessed irreversible changes in the way customer relationships are managed, operations are conducted and risks are mitigated. This has successfully augmented the phenomenal impact analytics already had on the banking.

Data science subsuming 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 cases 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 witnessed high impact implementation of AI/ML. Successful implementation of AI/ML and data science makes the digital journey of a bank complete, profitable, sustainable, safe and rewarding.

Objectives

- 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 convince the with use cases, case of studies, best practices in Indian banks and PoCs conducted at the Centre of Excellence in Analytics, IDRBT

Contents

- Introduction to AI/ML
- Introduction to Data Science (subsuming big data and social media analytics)
- Case studies of AI/ML in banking on the important problems of CRM, Fraud Risk prediction, Security and Operations.
- Best practices, critical success factors, framework for AI/ML implementation in banks

Mode of Teaching

Online teaching plus learning inputs through reading material, videos, webinars, assignments, quizzes, online interactions and clarifications. Each e-Programme will have four live webinars and course material will be made available in advance for study.

Who Can Participate?

Officers and executives up to and including GM level from digital banking, transaction banking, planning, marketing, IT, Security, SOC.

End Use:

- Participants shall be onboarded to this exciting field, several concepts will be demystified
- Participants can help write the RFP in the respective areas using AI/ML & Data Science
- They will be ready for a full fledged, rigorous hands-on training on these subjects
- They can ask the vendors pertinent and pointed questions

Programme Coordinator:

Dr. V. Ravi, Professor, IDRBT;

E-mail: vravi@idrbt.ac.in

Fees:

For Indian Participants

- RRBs & Coop Banks: Rs. 8,850/- (Rs. 7,500/- + 18% GST)
- All Other Banks & FI's: Rs. 11,800/- (Rs. 10,000/- + 18% GST)

For International participants

- US \$ 175 (per participant, All inclusive)

Bank Account Details for Remittance of Fees

The fees for this e-programme can be remitted to the following accounts:

For Indian Participants

Account Name : IDRBT
Bank & Branch : Axis Bank Limited, Humayun Nagar, Mehdiapatnam, Hyderabad
Account No. : 426010100018823
MICR Code : 500211012
IFSC Code : UTIB0000426

For International participants

Receiver's Correspondent Bank : JP Morgan Chase, New York, USA
Swift Code : CHASUS33XXX
Fed Wire Routing Number : ABA 021000021
Beneficiary Bank & Branch : Axis Bank Ltd., Mumbai, India
Account Number : 0011407376
Beneficiary Bank Swift Code : AXISINBB

Ultimate Beneficiary

Account Name : IDRBT
Customer ID : 030021632
Account No. : 426010100018823
Bank & Branch : Axis Bank Ltd., Jubilee Hills, Hyderabad, India. (AXISINBB030)

Nominations

Banks may nominate any number of participants to these e-Programmes, which may be accepted on a first-cum-first-served basis. While nominating, please provide the details of the participants (Name, Designation, Bank, Mobile No/Phone No, email address, fees billing address, GST No. of the Bank).

Apart from nominations by banks, staff members of banks can self-nominate themselves for these e-Programmes by providing their employee credentials and paying the programme fee latest by **October 10, 2020**.

How to Register

The nominations for these e-Programmes, and queries if any, may please be sent to eprogram@idrbt.ac.in. Please visit <https://www.idrbt.ac.in/eprogrammes> for more details about these programmes.

e-Programmes in October 2020

S. No.	Name of the e-Programme	e-Programme Date	e-Programme Coordinator	Last Date for Nomination
1	Proactive Cyber Defence Strategies	Oct 05 - 08, 2020	Dr. Dipanjan Roy	Oct 03, 2020
2	API Security and Governance	Oct 05 - 08, 2020	Dr. V. Radha	Oct 03, 2020
3	Emerging Technologies for Banking	Oct 06 - 09, 2020	Dr. Rajarshi Pal	Oct 03, 2020
4	AI/ML and Data Science in Banking	Oct 12 – 15, 2020	Dr. V. Ravi	Oct 10, 2020
5	Data Science in Banking and Finance	Oct 12 – 15, 2020	Dr. Mridula Verma	Oct 10, 2020
6	Threats to Digital Payment Ecosystem	Oct 19 – 22, 2020	Dr. Susmita Mandal	Oct 17, 2020
7	Introduction to Technologies for Doorstep Banking	Oct 19 – 22, 2020	Dr. M. V. N. K. Prasad	Oct 17, 2020
8	Fundamentals of Wi-Fi Security	Oct 19 – 22, 2020	Dr. N. P. Dhavale	Oct 17, 2020
9	Targeted Attacks – Detecting in early stages	Oct 26 – 29, 2020	Dr. B. M. Mehtre	Oct 24, 2020
10	Introduction to Security in Cloud Computing	Oct 26 – 29, 2020	Dr. P. Syam Kumar	Oct 24, 2020