

Online
Programme



e-Programme on **EXPLAINABLE AI/ML FOR BANKING**

Coordinator: **Dr. V. Ravi**

JUNE 18 – 21, 2024 (Online Mode)



Institute for Development and Research in Banking Technology
(Established by Reserve Bank of India)

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Introduction

A recent study reveals that 77% of executives in the industry agree that AI will separate the winning banks from the losers. Covid-19 may expedite the use of AI, making the effective governance more urgent and important than ever, It is noticed that the concerns are raised about data bias, “black box” risk and a lack of human oversight. Prominent risks include bias in the data that is fed into AI systems. This could result in decisions that unfairly disadvantage individuals or groups of people (for example through discriminatory lending or fraud labeling). Therefore, AI systems should be developed, deployed and used in ways that respect human autonomy, prevent harm and ensure fairness and explainability. Banks decisions based on AI models should not disadvantage any individual or groups of individuals without justification. In view of the above, explainable AI/ML has assumed enormous importance nowadays as the AI/ML systems gained phenomenal acceptance and rapid deployment thereof. It has direct bearing on the holistic customer relationship management implementation. Successful ACRM implementations must now look seriously at deploying explainable AI/ML systems. Unfortunately, until now this aspect is ignored as its ramifications were never felt. This course precisely and timely fills that gap.

Objectives

- To teach the bankers the necessity of adopting the explainable AI/ML methodologies for solving various business and operational problems
- To prepare them for the next advanced course that involves rigorous hands-on sessions in classroom classes in the Center of Excellence in Analytics (CoEA)

Contents

- Introduction to AI/ML, Deep learning and their relation to Data Science
- Introduction to Explainable AI/ML- its need and usefulness in implementing total CRM via solving business problems such as (i) Default Prediction in different loans (ii) Customer Churn Modelling (iii) Customer Segmentation and (iv) Market Basket Analysis
- Describing Explainable extant ML techniques (MLP and SVM)
- Explainable Deep Learning- methods, issues, future directions

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 DGM level from IT, Data Warehouse, Business Analytics wing, Digital Banking, Transaction Banking, Planning and Risk Management departments.

End Use:

Participant will (i) become aware and appreciate the importance of AI/ML techniques (ii) become familiar with explainable Neural networks and SVM (iii) torch bearers and leaders whenever their bank embarks on the grand journey of Explainable AI/ML (iii) be exposed to the latest techniques of explainable AI (deep learning)

Programme Coordinator:

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

Fees:

For Indian Participants

- RRBs & Coop Banks: Rs. 17,700/- (Rs. 15,000/- + 18% GST)
- All Other Banks & Financial Institutions: Rs. 23,600/- (Rs. 20,000/- + 18% GST)

Discount

For every 12 nominations from a bank, the Institute will offer a fee discount for two participants, i.e., we will be charging for 10 participants and 12 participants can be trained.

Bank Account Details for Remittance of Fees

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

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

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 **JUNE 17, 2024**.

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/e-programmes> for more details about these programmes.

e-Programmes in June 2024

S. No.	Name of the e-Programme	Date	e-Programme Coordinator	Last Date for Nomination
1	Threats to Digital Payment Ecosystem	04 – 07	Dr. Susmita Mandal	Jun 03, 2024
2	Emerging Cyber Attack Surfaces and Defences	04 – 07	Dr. Rajarshi Pal	Jun 03, 2024
3	Explainable AI/ML for Banking	18 – 21	Dr. V. Ravi	Jun 15, 2024
