

Programme on

# END TO END IMPLEMENTATION OF AI/ML IN BANKING

Coordinator: **Prof. V. Ravi**

**FEBRUARY 10 - 15, 2025**

**(Offline Mode)**



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INSTITUTE FOR DEVELOPMENT AND RESEARCH IN  
BANKING TECHNOLOGY, HYDERABAD  
(ESTABLISHED BY RESERVE BANK OF INDIA)

## 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.

## Objectives

- ★ 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, Dockers, 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, Dockers, containers, Kubernetes
- ★ Rigorous hands-on sessions on the case studies in banking using the Kubernetes

## 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.

## 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. 70,800/- (Rs. 60,000/- + 18% GST)
- ★ All other Banks & Fis: Rs. 92,040/- (Rs. 78,000/- + 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  
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Account Number : 426010100018823  
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## Nominations

Nominations should be sent to us latest by **JANUARY 27, 2025** by email to [program@idrbt.ac.in](mailto: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.

## Contact Us

Please contact our Programme Office for organizing Customized Programmes and/or any other queries related to programmes at [program@idrbt.ac.in](mailto:program@idrbt.ac.in) or call us on +914023294121/22/24/25.

## Programmes Scheduled in February 2025

S. No.	Programme	Date	Coordinator
1	IT Risks for Banking and Financial Sector	03 - 05	Dr. Abhishek Thakur
2	Innovation and Smart Banking	10 - 12	Dr. Susmita Mandal
3	Emerging Trends in Cloud Computing	10 - 14	Dr. P. Syam Kumar
4	End to End Implementation of AI/ML in Banking	10 - 15	Dr. V. Ravi
5	Role of Micro Services in Developing Scalable Applications	17 - 20	Dr. V. Radha
6	Mobile Application Development and Security Testing	17 - 21	Dr. V. N. Sastry
7	Network Infrastructure Planning and Management	24 - 26	Dr. Subhrendu C

Please visit our website for more details at : <https://www.idrbt.ac.in/offline-programmes>.



**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](http://www.idrbt.ac.in) E-mail: [program@idrbt.ac.in](mailto:program@idrbt.ac.in)**