



# Institute for Development and Research in Banking Technology

(Established by Reserve Bank of India)

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

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e-Programme on

## AI/ML for Cyber Security

November 24 - 27, 2020

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### Introduction

Artificial intelligence has become a buzzword in industry today. Every vendor is tempting to buy an AI-powered solution of theirs. But actually, in this context, machine learning is being used in these solutions. Capturing of huge amount of data points and training a machine learning model using these data points help to solve many of the real life problems. The same is applied in the field of cyber security. Hence, this eProgram is designed to merge two hot topics of current cyber era - machine learning and cyber security.

### Objectives

The objective of this eProgram is to help the participants in understanding machine learning models and in applying them in the field of cyber security.

### Contents

- Various machine learning models
- Performance evaluation of machine learning models
- Applications of machine learning in cyber security (e.g., event correlation and analysis to detect breaches, network traffic analysis, entity and user behaviour analysis, biometrics etc)
- Security concerns in machine learning models – and hence, a word of caution!

### 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?

Employees (across any level in the hierarchy) from information technology and information security department of banks and other financial organizations are invited to participate in this eProgram.

### End Use:

The eProgram will cater to enhance the knowledge of machine learning and use cases of machine learning to solve problems in cyber security.

### Programme Coordinator:

**Dr. Rajarshi Pal**, Assistant Professor, IDRBT;

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## 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 **November 23, 2020**.

## How to Register

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

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