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

very strong income performance well ahead of prior year

delivered solid results in a challenge

FRAUD



Fraud Analytics

JULY 18 - 22, 2016

WE are glad to announce a Programme on Fraud Analytics, July 18 – 22, 2016, that we hope will help fill the knowledge and skill gaps of your IT personnel in this area. We give below the summary of the programme.

Introduction:

Banking has come a very long way in the past two decades not only abroad but also in India. While on hand, banks diversified their business into the so-called non-banking operations such as investment banking, insurance etc., information technology influenced banking so much so that it is now virtually impossible to think of banking without IT. Thus, banking now reached a point of no return. In the process, banks consciously tried to become sophisticated by introducing more delivery channels such as ATM, Internet banking, mobile banking (albeit in nascent stage) whose idea is borrowed from retail marketing principles of customer co-creation of products. Some banks even want to achieve the holy grail of banking i.e. customer centricity by consciously and proactively embarking on CRM thereby making them more customer friendly and customer focussed. The quintessential presence of IT in banking has also entailed a scope for committing frauds at various stages, where the fraud is perpetrated by various stake holders, external individuals alike. This created an opportunity for researchers to develop newer solutions to detect and circumvent frauds of various types. However, the perpetrators proved to be equally agile and clever, if not more and dished out newer modus operandi throwing challenges to the research community. In this context, it is worth noting that Indian banking system has also become equally vulnerable if not more and it is this situation that calls for R & D of newer and more effective solutions.

Frauds in banks spawn various divisions and activities. To mention a few,

- ★ Financial statement fraud
- ★ Fraud emanating from wantonly ignoring the poor quality of asset (operational risk)
- ★ Fraud emanating from IT systems in banks
- ★ Phishing, spoofing, Identity theft etc.
- ★ Credit card cloning/fraud
- ★ Fraud from social engineering/shouldersurfing etc.
- ★ Fraud emanating from transactions/ATM cash replenishment etc

While fraud is usually detected after it is perpetrated, it would be extremely useful if it is detected, red-flagged and prevented in near real-time. Given the nature and variety of frauds reported and also the amount of data that gets collected about them nowadays, it makes perfect sense to develop fraud detecting software by employing sophisticated soft computing technologies. However,

some frauds being almost one-off occurrences or occurring with low frequency, they pose great challenge to the soft computing based data mining technology notwithstanding their reputation. It is at this juncture, we call for the adoption of knowledge-driven methodologies, their refinement by applying soft computing, and eventually coming out with seamless integration of these disparate methods of problem solving.

Objective:

This EDP discusses various aspects of fraud in banking and finance. It also introduces various analytical models from ground-up and highlights the research studies conducted at IDRBT on fraud analytics through case studies. The EDP also brings to the table the various advancements made in the industry through cases studies and demos.

Contents:

- ★ Introduction to Fraud Detection through Analytics
- ★ Introduction to Analytics: Statistics
- ★ Introduction to Analytics: Data Mining
- ★ Fraud Detection in Credit Cards-A Case Study and Demo- SAS
- ★ Fraud Detection in Financial Statement Fraud- A Case Study
- ★ Fraud Detection in Insurance Sector- A Case Study
- ★ Phishing Detection through Analytics – A Case Study

Few Case Studies from Indian Banks (Public & Private Sector Banks)

Profile of Participants:

This is specifically meant for Executives (AGM/DGM/GMs) from Inspection, Risk Management and IT wings of Banks.

End Use:

Participants can utilize the theoretical and applied knowledge acquired in the training programme to predict various frauds and thereby reducing the fallout to a considerable extent.

Faculty:

Faculty of IDRBT, Guest Speakers from the Industry & Practitioners.

Fee & Nomination:

The fee for the programme is Rs. 35,000/- + Service Tax 14.5% = Rs. 40,075/- per participant. The fees can be remitted through NEFT (detailed furnished here under). It includes boarding, lodging, training, course material, kit and other infrastructure overheads. The nominations may be sent before July 04, 2016.

IDRBT Bank Account Details for NEFT transfer:

Account Name : IDRBT
Bank : Axis Bank Limited
Branch : Mehdiapatnam Ring Road
Branch, Hyderabad
Account No. : 426010100018823
MICR Code : 500211012
IFSC Code : UTIB0000426

Nominations, should be sent latest by **JULY 11, 2016**.

Please provide the following information for the nominations from your Bank:

- 1) Name of the Official :
- 2) Bank :
- 3) Designation :

4) Official Postal Address :

5) Mobile /Phone No. :

6) Email address :

We request you to nominate suitable officials for the programme. Please do send us a brief CV/Profile of the official/s nominated (not exceeding one page per person) so that we can fine tune the programme structure, content and delivery.

Please depute suitable officials only from your bank / organization for this programme.

Please inform the nominees of the landmark to locate IDRBT, i.e., Behind NMDC, Masab Tank, Hyderabad.

Programme Coordinator :

Dr. V. Ravi, Faculty, IDRBT

Email : program@idrbt.ac.in

FEE DISCOUNTS FOR REGIONAL RURAL BANKS & COOPERATIVE BANKS

No. of Participants	Residential			Non-Residential		
	Fees	Service Tax 14.5%	Total Fees	Fees	Service Tax 14.5%	Total Fees
1	Rs. 30,000/-	Rs. 4,350/-	Rs. 34,350/-	Rs. 20,000/-	Rs. 2,900/-	Rs. 22,900/-

The fees to be paid uniformly for each participant

FEE FOR OTHER BANKS

No. of Participants	Residential			Non-Residential		
	Fees	Service Tax 14.5%	Total Fees	Fees	Service Tax 14.5%	Total Fees
1	Rs. 35,000/-	Rs. 5,075/-	Rs. 40,075/-	Rs. 30,000/-	Rs. 4,350/-	Rs. 34,350/-

The fees to be paid uniformly for each participant

FEE FOR FOREIGN COUNTRIES

Sl. No.	Classification of Countries	Fees per participant (Residential only) US \$	Service Tax (14.5%) US \$	Total Fees (US \$)
1	SAARC Countries	1000 \$	145\$	1145\$
2	Other Countries	1500 \$	218\$	1718\$



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