Emerging trends in operational Database Management Systems

February 06 – 10, 2017
We are glad to announce the Programme on Emerging trends in operational Database Management Systems, from February 06 – 10, 2017. The details of the programme are given below.

Introduction:
Database Systems are core components of System Software maintained by Banks and Large Financial Institutions. The functionality supported by Database Systems has been undergoing various changes due to the technological up-gradations happening across various parts of software stack.

The later part of evolution of Database Systems consisted of design of decision support systems around these operational stores. Data Warehouse Design using Dimensional Modeling is the core methodology used and this traditionally takes longer time for full implementation. In the light of above technological changes, Database components of these decision support systems are to be revisited.

XML based streaming databases are now part of traditional database systems. It is traditionally used for supporting regulatory compliance. There are parts of the data managed by financial institutions where real time response is more important. NoSQL Databases address the issue of finding the right balance between consistency and availability where real time response is more critical.

Security and Consistency levels of these non-traditional data stores are to be understood before deploying them in high-availability use-cases. Taking the above challenges into perspective, IDRBT has designed a 3-day program on “Emerging Trends in Operational Database System Design”.

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Objective:
The objective of this program is to train bankers with various technological issues surrounding data such as storing and retrieving data, modeling the schema. The participants will learn some of the operational issues such as performance tuning, Query Optimization and advanced SQL Querying through hands-on. The sessions on emerging technologies such as NoSQL, XML and Big Data in the context of Database Systems will empower the participants with ability to apply these solutions in the places where real-time response is mandatory.

Contents:
- Introduction to Relational Database Systems & Design & SQL
- In-Memory Vertical Databases
- Database Systems for Data warehouse
- Advanced SQL (Hands on)
- No SQL Databases
- Database Systems in Big Data Era
- Query Optimization (Hands On)
- XML Databases
- Materialized Views

Participants Profile:
Executives from Banks and Financial Institutions, who need to know about Database Systems, design of models for various business scenarios such as operational, Data Warehouse, and emerging technologies such NoSQL, Big-Data/Hadoop/Spark based architectures for storing, retrieving & recovering data.

End Use:
Database Systems are omni-present through out various departments of large financial institutions. This program will help in addressing the various operational challenges involved in handling large-scale, multiple variety data through traditional and non-traditional methods. It also addresses the tools that leverage the integration of traditional database systems with hadoop based big-data technologies for application of scalable data-mining algorithms.

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

Fee & Nomination:
The fee for the programme is Rs. 35,000/- + Service Tax 15% = Rs. 40,250/- (Rupees Forty Thousand and Two Fifty only) per participant. The fee can be remitted through NEFT (details furnished here under). It includes boarding, lodging, training, course material, kit, and other infrastructure overheads:

IDRBT Bank Account Details for NEFT transfer:
Account Name : IDRBT
Bank : Axis Bank Limited
Branch : Mehdipatnam Ring Road Branch, Hyderabad
Account No. : 426010100018823
MICR Code : 500211012
IFSC Code : UTIB0000426
Nominations should be sent latest by **JANUARY 23, 2017**.

The Programme will commence at 9.30 am on the first day and conclude by 5.30 pm on all the days.

Please depute suitable executives from your Bank/Financial Institutions, for this programme. Please provide the following information for the nominees from your Bank:

1) Name of the Official :
2) Designation :
3) Bank / Organization :
4) Official Postal Address :
5) Mobile /Phone No. :
6) Email address :

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

Looking forward to your active cooperation in the success of the programme

**Programme Coordinators:**
Dr. S. Nagesh Bhattu , Asst. Professor
Email : program@idrbt.ac.in

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**FEE DISCOUNTS FOR REGIONAL RURAL BANKS & COOPERATIVE BANKS**

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<th>No. of Participants</th>
<th>Residential</th>
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<th>Non-Residential</th>
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*This is the discounted fees to be paid uniformly for each participant*

**FEE DISCOUNTS FOR OTHER BANKS**

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The fees to be paid uniformly for each participant

**FEE FOR FOREIGN COUNTRIES**

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<td>Other Countries</td>
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