

Dear Member,

ISACA Mumbai chapter (www.isacamumbai.org) in association with **M/s MANTRAN Consulting Pte Ltd. Singapore (www.mantranconsulting.com)** is pleased to organize a **Two Days Training-cum-Workshop** as per the following details :

Details of the Training-cum-Workshop :

**A Two Days Training-cum-Workshop on
ERP (SAP) Fundamentals, Security Controls & Audit Risk reviews**

Date : **Saturday, 24th July 2010 and Sunday, 25th July 2010**
Time : **9.00 a.m. to 6.00 p.m. on both days**

Venue :

HOST-INN Hotel, Opp. Marol Fire Brigade, Near Marol Pipeline, Andheri(East), Mumbai.

Fees & Batch Size :

<i>Course Fees</i>	<i>Members</i>	<i>Non-Members</i>
Early Bird (Before 19 th July 2010 - Monday)	Rs.8,500 + Service Tax	Rs. 10,000 + Service Tax
Regular (After 19 th July 2010 - Monday)	Rs.9,500 + Service Tax	Rs. 11,000 + Service Tax
(Fees Includes Courseware - presentation material, SAP e-Book) Breakfast / Refreshment - tea/coffee during breaks and lunch to be provided		

The number of participants for this workshop-cum-training is restricted to **25** only. It is preferable for the participants to carry their own personal laptops during the workshop.

CPE Hours / Certificate of participation:

The participants who are ISACA members will obtain **14 CPE hours** in accordance with ISACA guidelines after completion of workshop with the certificate of participation to all.

Faculty and Trainer :

Mr Barun Kumar is the founder and Director of **Mantran Consulting Pte Ltd.** Before its beginning, he was an Associate Director with IT advisory practice of KPMG LLP in Singapore and India.

Barun Kumar is an Engineer, MBA, CISA and **Approva Certified Professional (ACP)** and ITIL V3 certified Professional. He has more than 9 years experience in Assurance, Internal Controls, SAP security, technical and business process reviews including consulting and trainings. He has also experience in Risk and Compliance (Information security policy and procedures), SOX / J-SOX, ISO27001, business continuity planning.

Barun Kumar has been associated with many SAP projects in India, Singapore, South Africa, France, UK, USA and other countries. Barun has designed and audited SAP authorizations, SoD (including business rules for SoD) and BASIS controls for the corporate customers including large companies.

Why attend the workshop?

SAP provides highly granular and detailed security audit control functionalities which can be configured as per the requirements of the corporate customers. As many organizations use SAP to support their business processes, there is a growing need for SAP security & control professionals and this workshop is a big step towards this.

SAP Security, Controls & Risk Reviews workshop covers key SAP authorization concepts and aims to equip the participants with in-depth understanding and learning key aspects of SAP security and controls. The workshop intends to cover real-time demos and exercises to demonstrate key concepts and complement them in designing, controlling and auditing its security controls. It also covers managing risks across all phases of SAP lifecycles & address business process controls, SAP security controls, data integrity & SAP administration controls, data conversion controls/data interface controls, IT operational controls incl. SAP project management.

SAP Auditing: Auditing is an important tool and SAP provides multiple auditing options with features like change documents, document flow, security audit logs, table logs, transaction usage logs, etc.

Course Objectives :

- Overview of ERP / SAP.
- Impact of ERP /SAP on enterprise assurance function
- Understand SAP terminology, Authorisation,
- SAP organisation structure concepts
- Understand the challenges in its implementation and realizing the benefits
- Control objectives and control activities for conducting SAP technical audit
- How conduct testing of control activities and forming an opinion
- The Road Ahead for skills acquisition and practice
- Design/Implement a flexible manageable & secure SAP control framework

Course Overview :

- ERP / SAP – meaning, relevance and impact on Assurance
- Access rights, User Master Records/ Administration, Authorization Objects etc.
- SAP organization elements and their relevance in conducting the audit
- How to conduct SAP technical audit and SAP business process reviews
- The workshop will be conducted in an interactive environment providing greater scope for discussions
- Emphasis will be on a highly participative style of learning through practical examples based on the faculty's experience

Course Outline :**Day -1****1. Introduction to ERP / SAP**

- Major SAP Releases & version, Modules and Functionality
- Overview SAP architecture & organization structure
- Navigating the SAP ERP System Logging On / Executing Commands
- Identifying Transaction Codes
- Fundamental Changes in Business Controls

2. SAP Audit / Risk Management Approach

- Audit Impacts Arising From the Implementation of ERP
- Recommended SAP ERP Audit Framework
- SAP ERP Configuration Concept and Testing Configurable Controls

3. SAP Organization structures and its importance in Audit

- FI / CO organization structures
- MM Organization structures
- SD organization structures
- Other important concepts

4. Access rights & other security concepts in SAP

- SAP Authorisation concept & designing with user authorization & control matrix
- User Master Records
- User master records administration & Management
- Authorization objects / Authorization object groups
- Fields & Field values
- PFCG / Profile generator
- Authorization information system
- Auditing user authorization / Demo of SAP native & 3rd party tools

Day-2

1. SAP Technical Audit / Basis review:

Part I- Introduction: SAP ERP Basis Application Infrastructure

- SAP ERP Architecture
- SAP ERP Basis Application Infrastructure
- The Implementation Guide and Organization Management Model
- The Profile Generator and Security Administration
- Audit Implications

Part II- Auditing SAP ERP Basis Application Infrastructure

- Implementation Guide Control
- Organizational Management Model
- Segregation of Duties (SoD)
- Critical Number Ranges
- Modifying Critical Tables
- ABAP/4 Workbench and Transport Management System
- Customizing and Executing ABAP/4 Programs
- ABAP/4 Development in Production
- Data Dictionary Changes
- Queries / Company Code Settings
- CCMS Configuration
- Application Server Parameters
- Locking Transaction Codes / Restricted Passwords
- SAP Router / RFC and CPI-C Communications
- Profile Generator and Security Administration Risk
- Authorization Documentation
- Super-user SAP* / Default Users
- SAP_ALL and SAP_NEW
- Maintenance of Powerful User Groups
- Central User Administration
- Table Logging / Log and Trace Files
- Batch Processing / Summary

2. Information Security aspects / Netweaver / SAP security basis & parameterisation / Audit Logs / Advanced Security features
Designing BASIS security and its auditing

3. Overview of critical controls in business cycles
- ✓ Revenue process – process overview, key risks and controls
 - ✓ Expenditure process – process overview, key risks and controls
 - ✓ Inventory process – process overview, key risks and controls
4. Overview of Continuous Auditing & Monitoring (CAM) tool in SAP
- ✓ Concepts and Demonstration of CAM tool
 - ✓ Demos and exercises

Registration Procedure :

Members are requested to register early, to avoid disappointment, as the seats are restricted to a **maximum of 25** only, by completing the Registration Form and making appropriate payment of fees by cheque from a local bank or a pay-order in favour of **"ISACA Mumbai chapter"**. Registrations will be considered strictly on a **first-come-first-serve basis**.

For further information, please contact :
Mr Virendra Kanade / Mr Yogesh at ISACA Mumbai chapter
email : isaca@isacamumbai.org Tel : 6552 7187 / 2417 4255

Registration & Cancellation Policy :

- ✓ Registration for the workshop event will be confirmed only after fee payment is received. An official receipt will be sent to the participants registered
- ✓ Programs, Speakers & Topics may be subject to change(s) at the discretion of ISACA Mumbai chapter and M/s Mantran Consulting Pte Ltd. Singapore
- ✓ Notification of withdrawal in writing / by email received within 7 working days or more before the event will be processed for refund after deduction of 15% of the fees toward cancellation charges
- ✓ No refund will be made for cancellation at a shorter notice
- ✓ The Management reserves the right to change any of the aforesaid condition in the interest of the Chapter

Disclaimer Notice :**Please Note:**

- ✓ *The chapter reserves the right to cancel / postpone the workshop if the minimum numbers of participants have not registered for the workshop.*
- ✓ *The chapter reserves right to make changes in the workshop, which is beyond their control.*
- ✓ *This program is being brought to you by ISACA Mumbai Chapter on a Best Effort basis.*
- ✓ *This workshop-cum-training is intended to prepare, educate and enable participants to gain and learn best practices and new skills about the topic and does not guarantee to make you experts.*
- ✓ *No representation or warranties are made by the ISACA Mumbai Chapter with regard to the workshop-cum-training and their coordination.*
- ✓ *The members are expected to perform their own due diligence & verify facts prior to registration.*
- ✓ *The views expressed by the Speakers / Faculty are their own views and should not be considered, interpreted and represented as the views of ISACA Mumbai Chapter.*
- ✓ *Neither ISACA Mumbai Chapter nor its affiliated associations are responsible for any errors or omissions from the above agenda and/or any misunderstandings set forward.*

Thanking you,

Pramod Nayak
Secretary & Joint-Program Chair, ISACA Mumbai chapter