INFORMATION SYSTEM & TECHNOLOGY AUDITING

12 CPE HOURS

14TH (MON) & 15TH (TUES) AUGUST 2023

TANOA PLAZA HOTEL – SUVA FIJI

OTHER COURSE:

TECHNICAL INTERNAL AUDIT REPORT WRITING

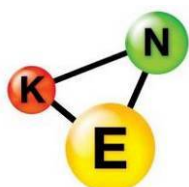16TH (WED) & 17TH (THURS) AUGUST 2023

TANOA PLAZA HOTEL – SUVA FIJI

PRESENTED BY:
Prof. Arif Ahmed &
Prof. Veena Hingarh
South Asian Management
Technologies Foundation

Organised by:

Knowledge
International

In Partnership with:

Eternus Scientia
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Information System and Technology Auditing

Dear Delegate,

Information system/technology audit is often confused with technical aspects of trouble shooting of information technology problems. People often do not recognise that information technology audit is a management control process where intervention of technical skill augments the process. The real challenge of technology based control is to keep control system aligned with information technology changes. A management control framework focuses more on principles and largely retains its focus across various technology domains.

As authors of an international publication on the subject, we have designed this workshop keeping in mind an audit and IT executive who well understands the concept of management control but is not an information technology security professional. We will be sharing our practical experience of designing information technology audits and assessing information technology risks for various institutions. On top of this, we have included a separate section on blockchain and digital assets to keep the auditors updated.

Hope you have recognised why you need to attend this workshop.

So join us in ***Suva Fiji*** on ***14th & 15th August 2023*** and gain extreme insight on his otherwise complex subject. You also get 12 CPE hours recognised by NASBA which not only takes care of CPE requirement but also underlines the quality control process that the course has gone through.

See you in Suva!

Cordially,

Arif Ahmed and Veena Hingarh

Instructional Delivery Methods

In person/ virtual

Course Pre-requisite

Basic Knowledge of information technology terms

Advance Preparation

None in specific

Program Level

Basic to Intermediate

Recommended CPE Credit and Field of Study

A maximum of 12 CPE CPE credit can be earned in the area of Management Services upon fulfilment of participation and assessment criteria

WHO SHOULD ATTEND

Any organisation who needs to have a control environment designed around their information technology infrastructure will find the course most useful. The course will be specifically useful for internal and statutory auditors, information technology executives, risk managers and officers, and chief risk officers.

WORKSHOP TIMING:

Registration at	08:30
Workshop starts at	09:00
Morning Coffee Break	10:30 – 10:45
Lunch at	12:30 – 13:30
Afternoon Coffee Break	15:15 – 15:30
Workshop ends at	17:00

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DAY 1

INTRODUCTION TO INFORMATION SYSTEMS AUDIT
- An Introduction to audit and the auditor
- Need for information system audit
- IT Audit framework, IS Audit Standards, Guidelines, and Codes of Ethics

AUDIT PLANNING
- Audit scope and audit charter
- Information System Assets
- Classification of Controls
- Information Systems Audit Coverage
- Risk based audit planning

HOW TO PERFORM AN INFORMATION SYSTEMS AUDIT
- Overview of audit methodology
- Audit Programme
- Audit Plan
- Information system audit process and procedure
- System Understanding and Review - Overview of business processes
- Compliance Reviews and Tests – IT general control audit (ITGC)
- Substantive Reviews and Test
- Audit Tools and Techniques
- Sampling Techniques
- Audit Questionnaire
- Audit Documentation
- Audit Reporting and communication
- Sample Audit Work Planning Memo
- Sample Audit Work Process Flow
- **Case Study - IS audit of a Data Centre**

COMPONENTS OF AN IT AUDIT REPORT
- IT audit Report components
- Five attributes of an audit finding
- An expression of opinion
- What are the audit deliverables

RISK BASED INFORMATION SYSTEM AUDIT
- Risk Analysis
- Threats, Vulnerability, Exposure, and Likelihood
- Conducting Risk Based Information Systems Audit
- Risk Assessment
- Risk Matrix
- Risk and Audit Sample Determination

DAY 2

RISK BASED INFORMATION SYSTEM AUDIT (CON'T)
- Audit Risk Assessment
- Risk Management Strategy
- **Case study- Developing Risk Matrix**
- **Case Study – Risks emanating from the given IT environment**

BUSINESS CONTINUITY AND DISASTER RECOVERY AUDIT
- Business Continuity and Disaster Recovery Process
- Business Impact Analysis (BIA)
- Incident Response Plan
- Disaster Recovery Plan
- Emergency Preparedness Audit Checklist
- Business Continuity Strategies
- Recovery Procedures Testing Checklist
- Plan Maintenance Checklist
- Vital Records Retention Checklist
- **Case Study - Identifying vulnerabilities of a Disaster Recovery Plan**
- **Case Study – Identifying weaknesses in the given scenario of a disaster recovery centre which need to be included in the audit report.**

SECURITY TESTING AND NETWORKS
- Cyber Security and networks
- What Is Vulnerable to Attack?
- How Cyber Attacks Occur
- What is Vulnerability Analysis?
- Steps of Vulnerability Analysis
- Types of Vulnerability
- Conducting Vulnerability Analysis
- Cyber Forensics
- Digital Evidence
- Auditing the security environment
- **Case Study - Network Security Testing Tools**

BLOCKCHAIN AND IT AUDITOR
- Basics & Types of blockchain
- Important aspects – cryptography and consensus
- Smart contracts
- Audit trail of smart contracts
- Digital assets – creation, inventory, and transfers
- Major security and privacy concerns

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Information System and Technology Auditing

Learning Objective

The workshop will provide a comprehensive understanding of planning and conducting an information system audit. Designed for auditors, upon completion participants of this comprehensive training are expected to be able to do the following:

1. Understand the different aspects of an information system audit

2. Understand internal control and risk assessment for IS/IT auditors

3. Understand how to prepare audit plans on which to base risk-based IT audit

4. Understand how to execute the audit from start to reporting

5. Put a focus on Business continuity and disaster recovery and network security and auditing

6. Understand key components of audit reports

7. Be introduced to the emerging areas in IT and their impact on IT audit

The workshop will be delivered around case studies and with practical examples to ensure an easy understanding of the process.

Why you must not miss the workshop?

Information technology risk is a major issue with all organisations especially if you have high information technology dependency. Often the information technology is kept out of scope of standard internal audit or risk assessment because of the technical nature of the activity.

This workshop develops the concept of information system/technology audit as a management control without primary focus on technology. Delivered in simple language with plenty of case studies and session exercises, the workshop reflects the subject knowledge and practical experience of the resource persons.

What could be better than to hear about the complicated subject from experts who are known authors of an international publication on the subject?
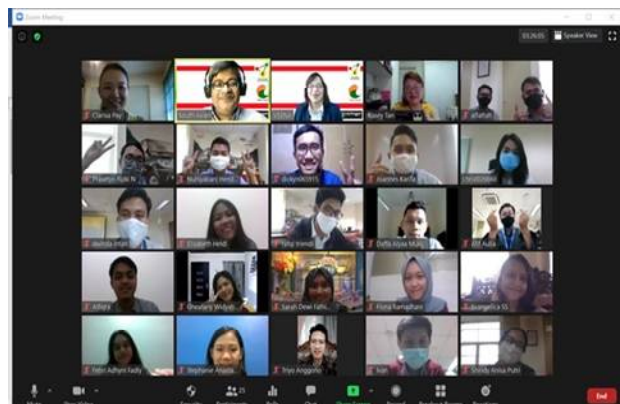
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ABOUT THE FACILITATORS: PROF. ARIF AHMED & PROF VEENA HINGARH

Prof. Arif Ahmed and Prof. Veena Hingarh are Director and Joint Director of South Asian Management Technologies Foundation, an institute specialising in training and consulting in the area of Finance and Risk Management. The detailed scope includes IFRS, Banking Risk Management, Enterprise Risk Management, Cost Control, Cash Flow Management, Financial Intelligence, Strategic Financial Dashboard, and various financial processes that enhance the value of an organisation.

Prof. Ahmed is Chartered Accountant, MBA, and a Lead Auditor in Information Security Management Systems. Prof. Hingarh, also a Chartered Accountant, Company Secretary, Certified Information Systems Auditor, and MSc. Prof. Ahmed has almost 25 years of post-qualification experience and Prof. Hingarh enjoys more than 15 years of post-qualification experience. They have been associated with various Universities and professional training institutions across various countries in their area of specialisation.

Both Prof. Ahmed and Prof. Hingarh have worked closely with industry in the area of strategic consulting. The industry verticals they have served include Banking, Energy, Oil and Gas, Lubricants, Minerals, Metals, Engineering, Paper, Electronic Media, Print Media, and host others. Aligned with their expertise their consulting experience forms a backdrop of their knowledge which they share with the participants. They have also served as consultants in projects of The World Bank. They have also been speakers at World Accounting Forum.

Professors Ahmed and Hingarh have authored various books and articles in their areas of expertise and they have been highly acclaimed by the professional community. Their latest books in the area of IFRS and IT Audit are being published by the 200 year old publishing giant John Wiley & Co, Inc.

Professors Ahmed and Hingarh have designed their unique training methodology that encourages the participants to learn in an interactive way from their combined expertise. Presence of both of them opens up discussions in a much greater way than what one person can initiate. In addition, it allows the participants to benefit from different points of view that they present.

The courses they present are recognised by **NASBA** for award of CPE credits.

Both Prof. Ahmed and Prof. Hingarh have been involved in delivering courses in Dubai, Kuwait, Malaysia, Mauritius, Singapore, Thailand, UK, India, Bangladesh, Sri Lanka, Nepal, and other countries for over 15 years.

Complaint resolution policy

All complaints and grievances regarding course can be emailed to grievances@south-asian.org or physical copies sent to the registered office of the foundation at the address mentioned in the website www.south-asian.org. For more information about grievance email services@south-asian.org or call + (91) (33) 22804553/0830.

Official NASBA sponsor statement, if an approved NASBA sponsor

South Asian Management Technologies Foundation is registered with the National Association of State Boards of Accountancy (NASBA) as a sponsor of continuing professional education on the National Registry of CPE sponsors. State boards of accountancy have final authority on the acceptance of individual courses for CPE credit. Complaints regarding registered sponsors may be submitted to the National Registry of CPE Sponsors through its website: www.learningmarket.org

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REGISTRATION CONTRACT

Please complete this form immediately and email back to Sydelle@kenknowledge.com.sg
Please write in BLOCK CAPITALS

I. Delegate's details

1.Name:_____

Position:_____

E-mail : _____

2.Name:_____

Position:_____

E-mail :_____

3. Name:_____

Position :_____

E-mail :_____

Company :_____

Address : _____

_____

Country/ State: _____Postcode:_____

Nature of Business :_____

Tel : _____ Fax: _____

Company Size : ☐ **100-249** ☐ **250-499** ☐ **500-999** ☐ **1000+**

II. The Invoice should be directed to Mr/Ms (Dept):

Name: _____

Dept: _____

Tel: _____

E-mail:_____

III. Authorising Manager's details

Name : _____

Title : _____

Tel: _____

Signature :_____

Date: _____

This booking is invalid without a signature

REGISTER NOW!

2-DAY WORKSHOP FEES:

☐ **US$1,590 (Priority Booking) per delegate**
☐ **US$1,790 (Standard Rate) per delegate**
☐ **5% Discount** for group registration of **3** delegates or more

Priority Booking before 10th July 2023!
(Fee includes documentation, refreshment & Lunch but **EXCLUDES** Accommodation & Bank charges)

MODE OF PAYMENT :
Payment is required within **5 working days** from the invoice date.

SGD Bank Draft Made payable to:
KEN KNOWLEDGE INTERNATIONAL PTE LTD

Or Telegraphic Transfer to Bank:
United Overseas Bank Limited
Clementi Branch
Account Number: 130-900-204-6
USD Corporate Current Account
Swift Code: UOVBSGSG

(Quoting your Company Name and Inv No. As Reference)
Payment must be received prior to the start of the Training. Alternatively, a Purchase Order or Letter of Undertaking

CANCELLATIONS & SUBSTITUTIONS :
All bookings carry a 50% liability immediately after a fully completed Registration Contract has been received by Ken Knowledge International. All cancellations of registration must be made in writing. Regrettably, no refund will be made for cancellation after 1st August 2023. However, a complete set of documentation will be sent to you. Substitutions are welcomed at any time.

NOTE:
Due to unforeseen circumstances, we may change the content and timing of the event, speaker(s) or venue. Every effort will be made to inform the participants of the change. KEN Knowledge International should not be held liable for any costs arising from this change.

For further information, Contact the

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