

## President's Column

Dear Readers,

I am happy to share with you that our chapter has now entered the silver jubilee year, completing 25 years in July 2011. Starting as a nuclear chapter of EDP Auditors Association way back in July 1986, our chapter has grown to be a chapter with over 1000 active members, having its own premises and as one of the largest chapters of ISACA globally.

To mark this silver jubilee year, we are planning a number of events and activities and to celebrate the silver jubilee in a befitting manner. In line with the tradition of our chapter, I am sure you would all come up with ideas and with your active support to mark the various events.

I request you join me in thanking the immense contributions made by founder members, volunteers, board of directors and members over the last 25 years; I would also like to sincerely compliment the volunteers who constantly help the chapter in the various activities.

D Namasivayam President  
ISACA - Chennai Chapter

Email your ideas and inputs with the subject line as "Silver Jubilee" to

[hon.secretary@isaca-chennai.org](mailto:hon.secretary@isaca-chennai.org)



## Special Interest Group (SIG) launched

We have launched the activities of the Special Interest Group in our Chennai chapter on March 19, 2011 with a discussion on Green IT, its significance to business today and the considerations in finalizing a roadmap for an organization on Green IT.

Green IT or computing refers to the environmentally sustainably IT or computing. With "global warming" already a well known global issue, this acquires extraordinary significance at this hour and the following were discussed by the group in two hour session. The discussions started with an introduction on our Special Interest Groups by Mr C M Krishnamswamy, Director - Special Interest Group and an introduction of the speakers by Mr M R Jambunathan, Director. Mr S Asokan (Senior Consultant, Capgemini Business Services India Ltd) delivered the first of the presentations, covering:

- What is Green IT?
- Why Green IT ?
- How and why manage e-waste?
- How to roll out a Green IT plan for an organization?
- How to measure and audit a Green IT initiative in an organization?

Mr S Asokan went on to explain on a typical roadmap for a Green IT Initiative and emphasizing on the various components of an effective initiative.

Mr S Rajan (Team Manager, Capgemini Business Services India Ltd) made the next presentation elaborating on "Carbon Footprint" and how organizations can set up processes in an organization to measure Carbon Footprint as a practical step to realize the Green IT initiative.

We received overwhelming support and participation for the SIG meeting. The next meeting of SIG is likely in June/ July 2011 on an equally interesting topic. Please look forward to announcements in our chapter website

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**Review Course**

**CISA Fast Track Course**

ISACA, Chennai conducted Fast Track Review Course during Apr 20-24, 2011. The highlight of this course was that CISA aspirants from Canada and USA (one each) attended.

The duration of the Fast Track course has also been increased to 5 training days (from hitherto 4) , without hiking the fees. As a result, the faculty members could provide longer sessions to permit in-depth coverage of topics and also to deal with more exam-oriented questions. Feedback also indicated that almost all participants found greater satisfaction in the review course as a result of these efforts. They were unanimous in their view about greater value for their time and money as result of these.

Please encourage your friends and colleagues to join these review courses and benefit.



Your Chapter website has won a bronze medal from ISACA among the websites from various chapters across the world.

Great appreciations are due to the ISACA - Chennai chapter website team that has worked with great devotion and detail to achieve this level. The team is already working for greater achievements in this front.

*Send your comments and ideas on our website to:*

[hon.secretary@isaca-chennai.org](mailto:hon.secretary@isaca-chennai.org)

**Monthly Meetings**

**January 2011**

Date : Jan 22,2011

Topic: "SAP ERP : Technology Landscape Audit Challenges - A Discussion".

In this exclusive session on ERP Audit Challenges, Dr Vaman Jagan Nathan (Consulting Partner- GRC, EnterpriseOne) presented and led the discussions . With his eminent background in ERP practices he took the participants through an excellent analysis of the Security audit challenges in ERP, with a particular focus on SAP.

**February 2011**

Date: Feb 19,2011

Topic: Greening your IT- what it takes

Mr P Mahalingam, Managing Director, 4T Technologies spoke on Greening the IT,elaborating the various aspects of Green IT. He emphasized on on building an eco-friendly Data Centre and energy-efficient hardware components and software processes. The participants appreciated the clear overview of the important considerations as detailed out by the speaker.

**March 2011**

Special Interest Groups (SIG) was launched on March 19, 2011 as detailed out in page 1 of this newsletter

**April 2011**

Date: April 16, 2011

Topic: Ethical hacking and countermeasures

Mr Srinivasan, Senior Manager, Global Corporate Security, Tata Communications, Chennai delivered this talk and took the members through the various considerations of ethical hacking and countermeasures. The entire session was quite interactive and the members showed keen interest on the various considerations of relevance to their operations.



**Forthcoming review**

**CISM Fast Track Course**

We have been conducting review classes for CISM aspirants. This year onwards ISACA, Chennai has plans to conduct review courses also for CGEIT and CRISC. ISACA, Chennai reaffirms its commitment to be of service to the candidates registering for the various exams conducted by ISACA.

Please look for [announcement in our chapter website](#) or speak to Mr. K.Kulasekaran at our office (ph no. +91-44-24984331 (between 2 PM and 7 PM except Tuesdays) for enrolling in these review courses.

**Founders Day**

Founders Day was celebrated on Feb 28, 2011 as is done every year, with great reverence and gratitude to the founding members and Past Presidents of the Chapter.

On this day, Dr P.S. Lalitha delivered an interesting and useful address on "Holistic Medicine – Reiki and Acupressure".

Dr Lalitha is a Consultant to many hospitals in Chennai and practises Alternative medicine for a number of ailments and results of stress. Dr Lalitha has 1000+ publications in this area and numerous awards & titles.

ISACA- Chennai is also happy to share with you that a number of participants expressed happiness to get to know of this topic that is becoming increasingly important and relevant.



## Workshop on Transaction Security

A one-day workshop on transaction security was conducted by the Chennai Chapter of ISACA on 7<sup>th</sup> May at IIT IC&SR centre. The President of the chapter announced the 25 years of completion of the chapter and welcomed the speakers and the participants. The inaugural address was delivered by the Founder President of the ISACA (EDPAA) chapter Mr. P.R. Loganathan. Mr. PRL described the evolution of the IT audit and how the significance for IT audit has continuously increased over the last 25 years. As we have moved from a ledger world to web forms, authorization of transactions by human acquaintance and knowledge has transformed to technology based authentications. He highlighted that there is an overlap of security needs and an individual's privacy and has to be carefully dealt with. He also very strongly insisted that financial organizations should be more pro-active about understanding and communicating risks that just adopting to the regulatory rules. Apart from the KYC "Know Your Customer" norms from the service provider view point there is also an imperative need for KYR "Know Your Risks" which the customers must be made aware of by the service provider and customers should be educated on transaction security. He also emphasized on the enhanced security needs in respect of products in the mobile banking space.

After a very enlightening address by Mr. Loganathan, Mr. Ravi Avudayappan Chief Manager IOB Information Systems Security Department delivered a talk on "what are the elements of transaction security and how to address them?". He described various instance of information security failures, transaction crimes highlighting a crime that helped nab a thief who had been committing a few burglaries. A customer's primary concern is to complete the business transaction and therefore does not worry about the security. It is the responsibility of the financial institutions to enable the security around the customer, security around the bank officials, security around the data and their handling, security throughout the transaction (initiation to completion). Mr. Ravi brought to light the various RBI guidelines around transaction security which banks have to now enforce. A minimum two factor authentication is the norm and financial institutions should work very proactively.

Mr. Ravi's talk was followed by a very insightful speech by Mr. Robert Raja, CEO Odyssey technologies. The revelation on the adequacy and effectiveness of authentication mechanisms left a scare in the minds of listeners. It is a double edged sword when all authentication controls matter and when none of them matter. Authentication in the human world is about the environment, colour, smell, appearance etc. This was sufficient for protection. In the new world how do we make this authentication sufficient? He highlighted that authentication is built on a "mistaken paradigm" rather than a thoughtful approach. The military authentication system was strong and robust and thoughtful for the needs it had to fulfill. There is an illusion behind authentication. He emphasized that we are addressing the past to build authentication controls while hackers are working on the future, leaving the control world always behind. When phones become the primary customer interface, then what? He closed with many questions to be taken back to our work environment to build transaction security. A thought provoking lecture indeed. This was followed by a demonstration of the Odyssey Technologies' products Snorkel Gateway Authentication Server for effective transaction security and Snorkel Tool bar for safe online transactions with phishing site alerts.

Post lunch Mr. Murali of Sify spoke about PKI digital certificates. He explained about the PKI established in our country under IT Act 2000 that was enacted to promote the use of digital signatures for the growth of E-Commerce and E-Governance. The IT Act provides for the Controller of Certifying Authorities (CCA) to license and regulate the working of Certifying Authorities.. The Certifying Authorities (CAs) issue digital signature certificates for electronic authentication of users. The CCA certifies the public keys of CAs using its own private key, which enables users in the cyberspace to verify that a given certificate is issued by a licensed CA. For this purpose it operates, the Root Certifying Authority of India (RCAI). The speaker also explained about the functioning of issuance of digital certificates, CPS,CRL etc.

The last technical session was by Mr. Venkatramana who had a vast experience in payment systems and the security associated with these. Mr. Venkat highlighted that not only are the IP transactions are at risk, even the PSTN transactions are not threat free. He went on to describing the various attacks like skimming, ghost terminals etc. at the various stages of a transaction like POS, Card, Switch, data in transit and what could be standardized to ensure security. It is important to stipulate the security standards in the payment industry. Authentication mechanisms like Terminal Line Encryption, TDES 112 bit encryption, Proper storage of masterkey, etc should be considered. The authentication mechanisms should also prepare themselves for a possible wave of indigenous payment services like "RUPAY" similar to CUP "Chinese Union Pay". He summed up with a request to devising transaction security with a "Spirit" to securing transactions rather than implementing a regulatory measure.

The workshop concluded with an interesting panel discussion, which commenced with a few issues such as the status of transaction security in India versus other countries, adoption of digital certificates on a larger scale, biometric authentication as proposed in UID, the question of who should bear the cost for transaction security etc . The discussions between the participants and the panel highlighted the need for all of us to make a positive meaningful difference in transaction security by addressing policy changes required, cultural changes and operational changes. As a community of professionals building "Trust In and Value From Information Systems", we have many interesting actions to take and challenges to face in ensuring an effective and optimal transaction security.

## A Word Search Puzzle for you

A	B	H	R	T	F	R	A	M	E	W	O	R	K	Q	P	E	M	S	I	O	D	A	S	K
T	Y	F	J	L	O	E	O	W	N	L	L	S	G	O	W	J	F	G	H	W	E	D	C	W
H	H	U	A	G	U	Q	O	P	W	I	S	D	G	J	W	K	I	S	Q	R	F	W	K	L
J	W	W	W	B	N	E	Q	K	A	B	R	T	H	J	A	S	B	J	U	A	I	F	G	M
L	D	H	E	F	D	H	K	Q	W	R	D	V	B	E	F	F	I	C	I	E	N	C	Y	E
E	G	L	S	U	A	Q	P	A	H	A	W	B	M	W	K	R	O	P	C	Q	E	H	J	W
R	O	T	S	G	T	R	T	Y	U	R	E	S	E	A	R	C	H	W	K	J	E	A	W	K
I	W	A	W	H	I	B	U	E	O	Y	P	Q	F	O	U	R	O	N	E	K	P	T	H	J
X	Q	M	E	D	O	I	A	R	Y	I	L	P	I	X	W	Z	I	W	T	F	R	J	K	L
O	M	U	E	H	N	I	S	K	L	S	V	U	V	A	L	U	E	Q	A	C	O	I	W	H
Q	A	T	W	D	A	J	S	F	I	F	T	E	E	N	Z	U	Q	K	R	D	C	G	W	K
N	U	E	Q	G	T	Y	U	O	P	C	H	R	T	I	I	I	C	T	T	O	E	N	S	B
K	O	D	E	G	J	K	R	A	P	A	R	R	T	Y	H	J	Q	S	P	W	S	B	E	T
L	E	G	H	J	R	E	A	E	A	R	E	E	Z	X	Q	S	U	D	G	Q	S	L	R	H
H	G	E	E	R	T	O	N	L	I	N	E	E	A	J	K	O	Z	P	W	G	H	J	S	U
S	V	C	W	B	K	L	C	G	H	E	A	C	S	I	O	W	H	K	L	A	G	Y	E	U
X	S	E	S	S	T	A	E	I	G	H	T	Y	S	E	V	E	N	O	D	I	C	A	L	S
W	T	N	C	V	B	K	P	S	D	G	H	E	U	S	X	Q	X	C	N	M	W	U	T	Y
X	P	T	A	Q	H	J	L	O	C	V	N	M	R	W	G	J	K	L	W	X	V	D	G	N
S	Q	R	W	J	K	E	N	Y	X	O	P	A	A	W	V	B	W	D	F	H	K	I	K	D
S	N	E	L	E	A	R	N	I	N	G	W	H	N	K	L	C	U	N	S	D	H	T	W	A
S	U	Q	V	N	M	E	R	J	S	W	K	X	C	A	N	E	R	S	K	S	K	W	N	M
A	Q	U	W	J	K	L	P	X	N	M	Q	D	E	K	W	L	O	A	V	N	B	Q	B	E
A	W	S	D	F	K	Q	U	E	P	X	C	A	Z	M	K	A	L	O	P	A	B	M	S	Q
W	L	N	U	M	Q	J	I	E	L	S	R	H	I	K	L	A	M	O	Q	F	K	A	D	N

### Clues for the words:

1. COBIT is the comprehensive IT Governance \_\_\_\_\_ that addresses every aspect of IT and integrates all of the main global IT standards.
2. An effective IT governance framework creates \_\_\_\_\_ for the business in alignment with enterprise objectives
3. Current version of COBIT is COBIT \_\_\_\_\_. \_\_\_\_\_ (in numbers)
4. Next version of COBIT and which is a major, high-profile strategic initiative of ISACA is COBIT \_\_\_\_\_ (in number)
5. One of the major benefits for an organization which implements COBIT is improved \_\_\_\_\_ and optimization of cost.
- 5 COBIT is a product of \_\_\_\_\_ years of cooperation among global IT and business experts
- 6 As per the future direction of COBIT, in approximately how many years will the COBIT be updated to a new version?
- 7 ISACA training offerings for COBIT include \_\_\_\_\_ offerings and classroom offering.
- 8 Level 3 of COBIT maturity is \_\_\_\_\_ (2 words)
- 9 One of the classroom offerings developed by ISACA is COBIT \_\_\_\_\_ Course <sup>TM</sup>
10. The 2007 IT \_\_\_\_\_ Guide provides specific tests at the process and control objectives level and these testing steps assist the auditor or assessor by providing assurance that the process is actually under control.
11. Members save \_\_\_\_\_ percent of the full subscription price while accessing COBIT Online (two words)

## Green Data- The Sustainability Challenge

**“We are going green”!!** This is the latest slogan in today’s corporate world. Organizations are now increasingly focused on sustainability and are more gung-ho on reducing their carbon footprint. At first note, I was wondering why companies are so eager to brand themselves as green when such focus wasn’t there some years back. It’s quite obvious since Organizations’ had to respond to pressures from both external and internal stakeholders.

External stakeholders have started to force Organizations to focus more on sustainability. This is evident from legislations like Carbon Reduction Commitment (CRC), European Union Emission Trading, and Environmental Protection Agency (EPA) mandatory reporting which have been introduced across the globe in the recent past. Further, Clients are no longer willing to do business with an Organization which is not environmentally committed. For e.g. Wal-Mart requires 100,000 suppliers to carbon label products and commits to 20 million tons carbon reduction by 2015. Apart from this, Organizations internally have started to realize that sustainability is good for business as it drives efficiency within the Organization. In fact people have started to relate carbon with cash. **If one reduces carbon, cash flow increases. Great Thought!!**

To respond to above external and internal pressures, organizations need to measure and report their environmental performance which is fraught with numerous challenges. Let’s list out the challenges.

### Clarity on reporting requirements

Gaining clarity on the various reporting requirements is the first and foremost challenge as it determines the scope of the exercise. Data may need to be reported differently for various reporting requirements.

To give an example, energy consumption could be reported differently for addressing the requirements of CRC (Carbon Reduction Commitment) and much differently for DEFRA (Department for Environment, Food and Rural Affairs). Having a clear understanding of the legislative requirements is vital to avoid applicability of penal provisions as well.

### Identification of Data sources:

No one can proclaim himself/herself to be an expert in each and every industry. Data sources could differ from one industry to another. For example, Energy could be the primary source of data for an Energy company whereas Travel could be the primary source of data for a consulting company with people frequently travelling. But these are pretty straight forward. Who knows tomorrow’s date we could end up computing the carbon footprint of a dairy industry with 10,000 cows. Can anyone guess the primary data source for carbon in a dairy industry? Is it cattle feed or is it transportation or is it refrigeration or is it carton. None of the above but instead it’s in Bovine Flatulence. Yes. Cows emit huge amounts of Methane. **Next time think twice before you drink a glass of milk!!**

### Coordination:

With businesses spread far and wide, it becomes increasingly difficult for the data owners to collect the data from all the locations. It calls for perfect wavelength and coordination between people which is a daunting task.

### Emphasis on Accuracy

When we talk of accuracy, the first question which strikes my mind is that whether the data collected and reported needs to be accurate or close to accurate? Could one make estimates! Adopting a common sense approach one can come to the conclusion that stakeholders look for **“better data”** rather than an accurate data. It should be borne in mind that this does not dilute in any way the degree of importance attached to accuracy and has to be based on sound logic and reasoning. For e.g. Collecting data for Waste poses a serious challenge as it is not practicable to weigh the waste each and every time it is collected due to cost implications and has to be based on estimates. Further adequate controls may not be in place in the process which would make the collection and reporting of green data inaccurate.

### Time Consuming Exercise

Last but not the least, data collection and reporting is a time consuming exercise and depends much on the scope of the engagement, size and structure of the organization, number of data sources, availability of the data owner and the inclination to adopt the latest tools and technologies. Data collection exercise could be relatively simple for a small organization whereas it could be really complex as regards a big conglomerate having numerous subsidiaries and operations around the globe. Further number crunching the data with spreadsheets could be a tedious exercise and the long term solution would be to embrace the latest tools available in the market which would help in effective slicing and dicing of the data.

On a concluding note, despite the above challenges, I personally feel that it is worth confronting them and stay committed to the end objective of being really green. I would say we have made significant progress in this regard. We have even started to observe the Earth Hour by turning off the lights on Saturday 8.30 pm to 9.30 pm local time. One of the MNC’s with whom I am closely associated has mandated its employees to follow the recommendations of **AI Gore’s Oscar winning documentary “An Inconvenient Truth”**. The list goes on and much remains to be done.

Contributed by:

S. Rajan, Team Manager,

Capgemini Business Services Ltd

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–free of charge



Featured Security Awareness Tip

Ensure your correct identity

With our heavy emphasis on IT Systems in every walk of life, it becomes essential that you are able to retain your identity perfectly the same across all systems, be it passport, voter's ID, ration card, driving licence, credit card, your bank account, name as registered for your mobile/landline, name at your work, name in your PF account, IT PAN card, your name as on your property, your name as per the identity cards of your family members (such as passport), the name as in the Universal ID and all records.

Any discrepancy in any of these names could spring up a nasty nightmarish issue which can upset your smooth life and plans.

If you decide to change your name after numerology or astrology or in any case, please ensure that your name is correctly reflected in all records and/or you put in place an appropriate legal solution.



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Essentials of Corporate Fraud (Member price US \$ 45)

Auditing IT Infrastructures (Member price US \$95)

Information Security- A Strategic Approach (US \$ 48)

Solution to the Word Search Puzzle from Risk Key, Issue no 7

A	B	H	R	T	C	H	A	P	T	E	R	J	K	Q	P	E	M	S	I	O	P	A	S	K
T	Y	F	J	L	A	E	O	W	N	L	L	S	G	O	W	J	F	G	H	W	S	D	C	W
H	H	U	A	G	J	Q	O	P	W	I	S	D	G	J	W	K	I	S	Q	R	A	W	K	L
J	W	W	B	U	E	Q	K	A	B	R	T	H	J	A	S	B	J	U	A	D	F	G	M	
L	D	H	E	F	G	H	K	Q	W	R	D	V	B	N	M	S	U	I	I	K	S	C	V	E
E	G	L	S	U	I	Q	P	A	H	A	W	B	M	W	K	R	O	P	C	Q	X	H	J	W
R	O	K	S	G	J	R	T	Y	U	R	E	S	E	A	R	C	H	W	K	J	M	A	W	K
I	W	N	W	H	V	B	U	E	O	Y	P	Q	L	E	A	D	E	R	S	H	I	P	H	J
X	Q	O	E	D	H	I	E	R	Y	I	L	P	A	X	W	Z	I	W	T	F	D	J	K	L
O	M	W	E	H	A	I	E	K	L	S	V	U	W	K	D	H	K	Q	A	C	V	I	W	H
Q	A	L	W	D	B	J	Q	O	E	T	B	C	K	X	Z	U	Q	K	R	D	F	G	W	K
N	U	E	Q	G	T	Y	U	O	P	C	E	R	T	I	F	I	C	A	T	I	O	N	S	B
K	O	D	E	G	J	K	L	A	P	A	S	C	T	Y	H	J	Q	S	P	W	V	B	E	T
L	E	G	H	J	R	E	S	E	A	R	C	H	Z	X	Q	S	U	D	G	Q	K	L	R	H
H	G	E	E	R	T	B	T	B	W	E	S	G	H	J	K	O	Z	P	W	G	H	J	S	O
S	V	C	W	B	K	L	W	G	H	E	A	C	U	I	O	W	H	K	L	A	G	Y	E	U
X	S	E	S	S	T	A	N	D	A	R	D	S	T	P	E	R	I	O	D	I	C	A	L	S
W	T	N	C	V	B	K	P	S	D	G	H	E	J	S	X	Q	X	C	N	M	W	U	T	A
X	P	T	A	Q	H	J	L	O	C	V	N	M	S	W	G	J	K	L	W	X	V	D	G	N
S	Q	R	W	J	K	E	N	Y	X	O	P	A	J	W	V	B	W	D	F	H	K	I	K	D
S	N	E	L	E	A	R	N	I	N	G	W	H	J	K	L	C	U	N	S	D	H	T	W	A
S	U	Q	V	N	M	E	R	J	S	W	K	X	V	A	N	E	R	S	K	S	K	W	N	M
A	Q	U	W	J	K	L	P	X	N	M	Q	D	J	K	W	L	O	A	V	N	B	Q	B	E
A	W	S	D	F	K	Q	U	E	P	X	C	A	Z	M	K	A	L	O	P	A	B	M	S	Q
W	L	N	U	M	Q	J	I	E	L	S	R	H	I	K	L	A	M	O	Q	F	K	A	O	N

ISACA Knowledge Centre

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Please visit the [Knowledge Centre](#) regularly to gain immense professional advantage in your career.

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*This issue is edited and published by the Editorial Committee of ISACA, Chennai.  
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