

Roundtable Conference – Academia and Security Professionals

Date: Tuesday 22nd November 2005

Venue: Police Gymkhana, Marine Drive

Day 2

As IT security concerns mount, there is an immediate need for adequate numbers of qualified and trained security professionals. Largely, security breaches have occurred as a result of the human factor. No matter how stringent the technology locks may, it is always manned by people. If India is to emerge as a security conscious nation, there should be a concerted effort to train an IT Security force. To address this, a round table discussion in collaboration with Mumbai University was organised at the Police Gymkhana. The discussion focused on how educational institutions can step in to fulfil the demand for security professionals and what are the requisite skills to be imparted.

The meeting was well attended with over 30 representatives from the Academia, IT Security and Law Enforcement community.

Mr. V.L. Mehta, Computer Society of India, Mumbai Chapter spoke about the demand for eSecurity professionals. He added that educational institutions were aware of the demand and that steps are being taken to augment the manpower resources. Specialised institutions like the I²IT, Pune have introduced courses in eSecurity.



Mr. Venugopal Iyengar, Head – Security, TCS spoke about the different specialised skills required by the IT industry in Security Professionals. Mr. Vijay Mukhi elaborated on the various opportunities available for students in eSecurity. Mr. S. Venkatesan, Director, Lab Systems Pvt. Ltd. spoke about forensic investigation and the tools that are available for security professionals.

Dr. Vijay Khole, Vice – Chancellor, Mumbai University was very receptive to the issue of industry participating in curriculum building for vocational courses. He said that as the first step, Mumbai University has already started a Post Graduate Diploma in Information Technology course and recently a course on Cyber Laws has also been introduced.

Other key people who participated in the discussion were Mr. Hemant Nagrale, IPS, Additional Commissioner of Police, Crime, Mumbai Police, Mr. Ashok Hingorani, Founder and CEO, Computact, Mr. Subramaniam Vutha, Technology Law Forum, Dr. M.A. Sanglikar, Course Co-ordinator for IT Security, Mumbai University, Dr. Jayant P. Dighe, Registrar, Mumbai University.

Electronic Payment Frauds

Venue: Seminar Room, World Trade Centre

ePayment systems are increasingly becoming popular. Right from ATMs to Netbanking, the convenience and ease of operations are unrivalled. However, due to the impersonal nature of transactions and the high reliance on technology, frauds are a distinct possibility. With the population increasingly moving to online shopping and e-Trading, the risks associated are bound to rise. This workshop, organised by the All India Association of Industries sought to educate the populace about how to protect oneself from online electronic frauds.

Mr. John Kotheanek, Sr. Manager, Paypal and eBay Fraud Investigation Team gave an overview of Paypal – an online solution to send money to anyone with email. He also gave a few tips on how to secure your password and protect your account from compromise. He also advised users to be cautious about phishing emails – They purport to come from banks, financial institutions or other organisations where we have business dealings and seek to obtain personal and confidential information from us which can be used for malicious or fraudulent purposes.

Mr. Shrihari Bhat, Head, Retail and Payment Solutions, NCR spoke about payment frauds with a special emphasis on cheque frauds. He explained the nuances of how a cheque fraud succeeds and taking the subject further, threw a lot of light on ingenious methods developed to defraud banks.

Mr. Hitesh Jain, Advocate, Udawadia and Udeshi focused on Data Theft and Information Security and Mr. Rajiv Duggal, Country Head for Fraud Risk, Citibank centred his talk on credit card frauds.

The event was summed up and the speakers were thanked for the insights given by Mr. Y. R. Warekar, Director, World Trade Centre

What Parents need to know about Cyber Security **Venue: Indian Merchants' Chamber, Churchgate**

Children are the most enthusiastic, but vulnerable user community of technology. The younger you are, the more you know about mobile phones, computers and the Internet. Often, their usage is unsupervised. The Cyber World is not a very safe place to be. The relative anonymity that an email address or a phone number offers is also an incentive to all kinds of predators and unscrupulous people. It is important to make parents and teachers aware of the dangers lurking in cyber space and how they can monitor their children's online activities and ensure their safety in the connected world.



To address the concerns faced by parents and teachers about the electronic activities of children and to prevent misuse of technology, Computer Associates organised a seminar.

Mr. Ayaz Memon, Member of the Editorial Board, DNA said that the internet is a very easy medium to learn things and the learning curve is very steep. Stopping children from accessing the internet is not the solution – It is a very useful tool and its destructiveness or creativity depends on the one using it. He was of the opinion that monitoring and restricting would be a safer and more productive option. Mr. Memon stressed that parents should take initiative and involve themselves with their children's activities.

Dr. Harish Shetty, a prominent psychologist agreed with Mr. Memon that the communication gap between parents and children should be reduced. Parents should allow their children to express their thoughts and ideas rather than ignoring them. Coming back to technology access, he said taking simple steps like placing the computer in a common area so that it is visible to everyone would, in most cases, act as a deterrent against any undesirable activity.

Mr. Ninad Karpe, Managing Director, Computer Associates India said that the entertainment and learning options offered by computers and the internet are immense. On one hand, the internet is a source of much knowledge and information that are essential to stay ahead in today's intensely competitive society. On the other hand, you never know whom you can meet when you are online. The degree of anonymity provided by the internet can be frightening at times. Parents have to take the lead to ensure that their children are safe.

Going about it in a step by step way:

- 1) Parents first need to be aware of the various cyber threats and hazards.
- 2) The PC has to be scanned for malicious software like Virus, Spywares etc.
- 3) Parents should talk to their children about the various hazards online.
- 4) Consider technological solutions to increase security.

At the seminar, Computer Associates also released a booklet on "How to keep your children safe on the internet." This was very well received by the participants at the seminar.

Mr. Vijay Mukhi gave a demonstration on how easily personal information can be compromised through hacking and password cracking tools.

Mrs. Meeran Borwankar, IPS, Joint Commissioner of Police, Crime, Mumbai Police concluded the session by emphasising on the need for open communication between parents and children. She related her experiences in certain cases where, children who are being victimized are unable to tell their parents the whole story for fear of repercussions. This leads to more complications. Parents should trust their children and give them the freedom to communicate openly. Only then can problems and issues be nipped in the bud.

Workshop for Public Prosecutors

Venue: Police Club, Azad Maidan

Registration and Investigation is the first step in the speedy dispensation of justice. The next logical step is the legal process. The Judiciary and Prosecution should also be adequately familiarized with the nature and nuances of Cyber Space. To aid in this,

the Technology Law Forum (TLF) organised a series of two workshops on Cyber Safety for the Public Prosecutors.



In the first session, Mr. I. M. Zahid, Sr. Police Inspector, Gamdevi Police Station introduced the Public Prosecutors to technology by explaining hacking and demonstrating anonymous mail sending and remote access.

Mr. Nandkumar Saravade then gave an overview of the different types of cyber crimes, which the prosecutors are likely to face in the course of their work.

During the second session held on the 23rd of November, Mr. Vijay Mukhi demonstrated how IT can affect the common man too. He showed the audience how a GSM SIM card can be cloned and what the implications could be

Ms. N. S. Nappinai of the Technology Law Forum then elaborated on the legal issues in technology related cases. The session was wrapped up by Mr. Michael Pak, Sr. Director, Asia Pacific Trust and Safety, eBay who gave a detailed explanation of various cyber crimes and also touched on the legal amendments required to tackle mobile phone cloning.