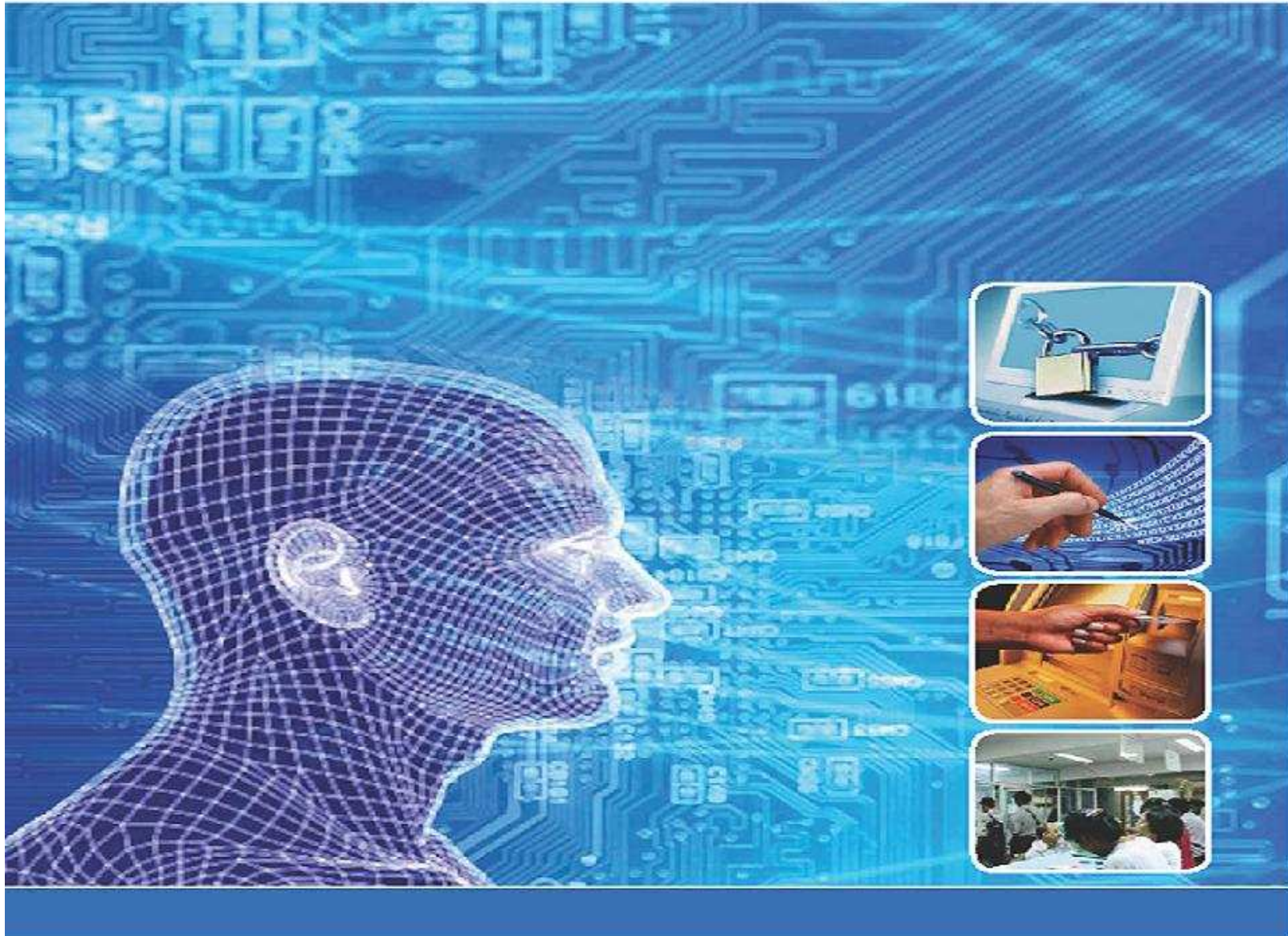


# Conference on **Cyber Security** “Emerging Cyber Threats & Challenges”

24th April 2010, Hotel Accord Metropolitan, T Nagar, Chennai





## **Cyber Security**

# **“Emerging Cyber Threats & Challenges”**

**Inaugural Session**

**1000 – 1100 hrs**



## **R Sri Kumar, IPS (Retd)**

- **Former Director General & Inspector General of Police, Karnataka.**
- **A B.Tech from IIT Madras in Electrical Engineering and a Master of Business Laws degree.**
- **Played a significant role in the investigation of several leading cases of the country such as the first human bomb assassination of a former PM; the biggest stock market scam in 1992, corruption in high places.**
- **Director on the Board of the State owned public sector Undertaking called the Karnataka State Police Housing Corporation.**
- **Decorated with Police Medal for Meritorious as well as for Distinguished Service and a Distinguished Alumni of IIT Madras.**
- **Founder of Indian Centre for Social Transformation offering e-governance solutions through cloud computing.**



# T Rajendran, IPS

- Addl. Director General of Police - Law & Order, Chennai & Commissioner of Police, Chennai City.
- A postgraduate from Loyala College.
- Served in the State Special Branch CID close to a decade.
- Served as Director, Narcotic Control Bureau, Chennai.
- Held various positions as SP, DIG & IG.
- President Police Medal for **Meritorious Service** - on the occasion of Independence Day, 1999.
- President Police Medal for **Distinguished Service** – on the occasion of Independence Day, 2009.



# Lakshmi Narayanan

- Has been a technology industry professional for over 30 years, building and managing divisions and business units in Europe, India and the United States.
- Under his leadership, Cognizant became the youngest IT services company to reach a billion dollar revenue milestone, and also went past a market capitalization of \$10 billion.
- Past Chairman of NASSCOM, the apex industry body for promotion of software and services in India, and is currently a member on the Board of the US-India Business Council (USIBC).
- In December 2008, Anna University conferred upon him the degree of Doctor of Science (Honoris Causa) in recognition of his stellar contribution as an industry-acclaimed strategist, institution-builder, leader, and visionary.
- Was honored by The Economic Times, with the *'Entrepreneur of the Year'* award in 2005. In 2006, was inducted into New Jersey High-Tech Hall of Fame. In October 2008, India's Dataquest magazine honored him with the *'IT Person of the Year for 2008'* award in recognition of the leadership.





## **PWC Davidar, IAS**

- **B.Com, M.A. Public Administration; M.A. Development Studies (Hague), IAS.**
- **Secretary, Information Technology Department, Government of Tamil Nadu.**
- **Chairman, Electronics Corporation of Tamil Nadu Ltd.**
- **Secretary, Energy Department, Government of Tamil Nadu.**
- **Held various important positions in TN Govt.**
- **Music; Sports (Athletics and Boxing).**
- **Support Organ Transplant initiatives.**



## **Dr (Tmt) Poongothai Aladi Aruna**

- **She is a Gynaecologist by profession and received part of her education in London.**
- **Was elected to the TN State Assembly in 1996 and 2006, later went on to become Social Welfare minister in the current Tamil Nadu government.**
- **Became Minister for Information Technology as a separate minister considering the importance of the portfolio.**
- **During her tenure as the Social Welfare Minister, Chief Minister announced the Two Egg scheme in the midday meals and now it is three times a day.**
- **Physically challenged people were given high priority during this period.**



## **Gp Capt L V Mohandas**

- **M Sc; M Sc; M Sc; MMS – Was Osmania University Examiner.**
- **Lecturer in the then REC, Trichy 1967-69.**
- **An Air Force officer for 33 years.**
- **Participated in 1971 Indo – Pak War & Simla Summit.**
- **Awarded 7 commendations in Air Force for outstanding work.**
- **Held various senior appointments in AF.**
- **Faculty at CDM for 5 years & created State-of-Art IT Centre “Aryabhatta”.**
- **Consultant in CII - last 8 years & Currently Head IT & Internal Security – Southern Region.**





**TEA BREAK**

## **‘Armed forces should fight cyber attacks’**

**New Delhi:** The armed forces should be capable of fighting enemies both in the real and virtual battlefields. This was defence minister A K Antony’s message on Friday, in the backdrop of the spurt in online espionage attacks from China.

Armed forces need to prepare “a crisis management action plan”, in close conjunction with agencies like National Technical Research Organisation and Computer Emergency Response Team as well as ministries like home affairs and communications, to counter cyber attacks and cyber terrorism, he said. China has made cyber-warfare one of its topmost military priorities. TNN

**Times of India – Defence Minister’s Message (17<sup>th</sup> April 2010)**

# Cyber security may be part of varsity courses

## Students Should Learn How To Safeguard Data, Says VC

TIMES NEWS NETWORK

**Chennai:** With information technology developing rapidly, University of Madras vice-chancellor G Thiruvassagam has proposed to introduce cyber security as part of the syllabus in some undergraduate and postgraduate courses.

### NEW SYLLABUS



place the proposal before the university senate this week. "The boards of studies will examine it and take a decision on the proposal," he said.

"Now we have computer-related courses which ensure employability to the students, but the students should also know about safety of the data and learn to prevent cyber crime in their work place. Hence I am planning to have a unit on cyber-security as part of the syllabus," said Thiruvassagam.

Chennai city police commissioner T Rajendran said that there was a need to have an apex body which would react fast when any cyber crime is reported.



# A terror SMS from your cell? Possible

V Narayan | TNN

**Mumbai:** Imagine getting a lewd SMS from a number you know, going to police with a complaint and then finding out that the supposed sender is clueless about what happened.

Two such cases have been reported to Mumbai police in the past month. Though they are yet to track down the sender, they have managed to unearth a bizarre truth, that of the 'masked SMS'. The user has to register on a website (for as little as \$10) and can send text messages to and from any mobile number on the planet without being identified.

Mumbai police have managed to track down two or three websites that are used to send masked messages and are collaborating with IT experts to get to the bottom of the matter. "We have received two complaints in the last one month where the sender's number was camouflaged," joint commissioner of police (crime) Rakesh Maria told

## Masked Messages

- ▶ Sender looks for 'sending masked SMS' in search engine
- ▶ Logs on to any of these websites and registers under a false identity
- ▶ Pays a nominal fee (\$10) and gets an activation code
- ▶ Enters numbers in 'to' and 'from' slots
- ▶ SMS sent without either party's knowledge



TOI on Saturday.

IT industry sources said, "It's rare for the real miscreant to be caught in such a situation because people might register under false identities and also commit credit card fraud to pay the small registration fee," says IT expert Vijay Mukhi.

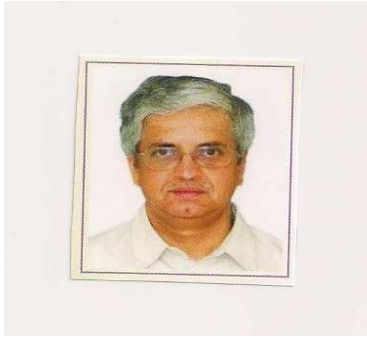
▶ Three-year jail term, P 15

# Plenary Session I

## **Banking, Finance, IT & Security Surveillance**

**1115 -1215 hrs**

- **Mr. K.R.Ananda – Regional Director, RBI**
- **Mr. J. Chandrasekaran, Chief General Manager, SBI**
- **Mr. Rajiv Rathinam – Associate Vice President Financial Crime Risk, Scope International Pvt. Ltd.**
- **Mr. C.V.G. Prasad, Chief Info Officer – IT; ING Vysya Bank Ltd**



## **K R Ananda**

- **A post graduate from Indian Statistical Institute, Delhi Centre in 1977.**
- **Served with UCO Bank at Bangalore from May 1977 till November 1981.**
- **Joined RBI as Officer in Grade B (DR) in November 1981.**
- **Worked in Bangalore, Mumbai & Trivandrum in different capacities.**
- **As Chief General Manager worked in Mumbai as UBD from 2003 and back to Bangalore in 2006.**
- **In 2007, he took over the Office of Banking Ombudsman for Karnataka.**
- **Is the Regional Director of RBI from June 2009.**





## **J Chandrasekaran**

- **Did his B.Tech from IIT, Chennai.**
- **Chief General Manager, SBI – Chennai Circle from December 2007 handling 740 branches in the state of Tamilnadu and Pondicherry.**
- **Joined SBI as Probationary Officer in 1975.**
- **Was earlier Chief General Manager (Small & Medium Enterprises), SBI Corporate Centre, Mumbai.**
- **Also served as Deputy General Manager SBI, Rehab & Recovery Branch, Chennai.**
- **Deputy General Manager, Treasury, SBI, Corporate Centre, Mumbai.**



## **C V G Prasad**

- **Involved in the IT Industry, primarily in the Financial Services area since the mid 1980.**
- **Formulates IT strategy with the Business strategy of the Bank and actively support Bank's leadership team in the effective and efficient use of IT.**
- **joined the ING Vysya Bank Ltd in February 2006 as Chief Information Officer.**
- **Leads the Bank's Information Technology Service Management Group.**
- **A Bachelor of Technology degree in Electronics and Communications from Jawaharlal Nehru Technological University, Hyderabad.**

# Rajiv Rathinam

- **MBA – HR & Risk Management**
- **Experience in Fraud Control & investigations**
- **Sound knowledge on Smart Cards, Authorisations**
- **Developing law enforcement contacts legal proceedings**
- **Divising Risk policies, framing guidelines for fraud control**
- **Imparting training**
- **Expertise in process set-up/streamlining & performance management**

# Plenary Session II

## **Cyber Crimes, Digital Evidence & Cyber Forensics**

**1215 -1315 hrs**

- **Mr. R. Sri Kumar, IPS – Former DGP, Karnataka**
- **Mr. Murali Talasila, Director, KPMG**
- **Mr. Deepak Maheshwari, Director, Microsoft Corporation**
- **Mr. Mathan Kasilingam, Regional Manager, Symantec Software Solutions Pvt Ltd.**



# Murali Talasila

- **Director in KPMG Forensic India with over 13 years of Information Security and Forensic experience.**
- **Post graduate in Information Technology, Certified Information Systems Auditor and a Certified Information Systems Security Professional.**
- **worked for Deloitte, in Netherlands and India His responsibilities covered wide range of services including Anti Money Laundering, Ethical Hacking, Network & Systems Architecture, Identity Management, IT Auditing, Incident Response, Cyber Forensics and Enterprise Security Management.**
- **Led the investigation for a top Indian corporate where the prominent personalities were bombarded with targeted spam and also spreading the same via various Internet forums.**



# Deepak Maheshwari

- **An engineer from IT-BHU in 1989.**
- **Director Corporate Affairs with Microsoft in India and responsible for interactions with the policymakers & regulators as well as with industry associations.**
- **Closely associated with development of Information & Communication Technology policy & regulation in India for more than a decade.**
- **Co-founder of National Internet Exchange of India (NIXI).**
- **Oft-invited speaker & panelist in various seminars & conferences, he has been regularly contributing articles & opinions in media.**
- **Involved in Internet Telephony, IPTV, Wimax, Wi-Fi, Quality of Service, Security & Internet Safety, Internet Censoring, Innovation & Economic Development, e-Governance, rural infrastructure, Public-Private Partnership, Language Computing, Cyber Crime & Cyber Law.**





# Mathan Kasilingam

- **Regional Manager – Systems Engineering, Symantec.**
- **Involved in the development of Symantec's Solutions including Security, Information Risk & Compliance, Storage, Infrastructure Operations and Business Continuity.**
- **His core technology expertise comes from the Security Domain and has been instrumental over the past 10 years in delivering Security Architecture, Exhibiting Compliance and conducting Security Audits.**
- **Worked for the companies including McAfee, Apara Enterprise Solutions (P) Ltd, Wipro Infotech and HCL Infosystems Ltd holding various profiles in Security & Data Availability Domains.**

# Plenary Session III

## **Cyber Act : Policies & Laws**

**1415 -1515 hrs**

- **Mr. K. Muralikrishna, Co-chairman, CII (SR) Task Force & Vice President and Head Infosys Technologies Ltd.**
- **Mr. Sanjay Vir Singh, IPS – IG Police, Karnataka**
- **Mr. Na Vijayashankar - Director, Cyber Law College**
- **Ms. Savitha Kesav Jagadeesan – Partner, Khaitan & Partners**



# **K Muralikrishna**

- **Vice President & Head of Global IT at Infosys Technologies.**
- **Co-Chair of Internal Security of CII – Southern Region.**
- **25 years of Experience all with Infosys.**
- **Earlier Head of Systems Integration Business Unit.**
- **Also working on the Technical Aspects & trials on integrating Dial 100.**



# Sanjay Vir Singh, IPS

- B.Tech (Hons) IIT; PGPPM-IIM; PGDCL.
- Fraud Squad, Served in various capacities – Dy Commandant General, Home Guards, SP, DIG – Civil Rights, Economic Offence.
- IG Police & Registrar, Bangalore University.
- IG Police, Anti-Terrorist Cell & Internal Security.
- President's medal for **Meritorious Service** on Republic Day 2006.
- DG Civil Defence, MHA **Commendation Certificate** in 2000.



# Na Vijayashankar (Naavi)

- **Na.Vijayashankar, more popularly known as Naavi, is Techno Legal Information Security Consultant based in Bangalore.**
- **Naavi is a pioneer in the field of Cyber Law in India.**
- **Authored books titled “Cyber Laws, Corporate Mantra for the Digital Era” and “Cyber Laws Demystified”.**
- **Involved in the policy formulation in the area of Cyber Laws and Cyber Security at the Central Government level.**
- **Naavi is the founder of [www.cyberlawcollege.com](http://www.cyberlawcollege.com) which is the pioneering Virtual educational institution in India dedicated to Cyber Law Education.**
- **Engaged in the training of Police in Tamil Nadu and Karnataka and conducts several courses in Cyber Laws for different audiences some of them in association with law colleges.**
- **Naavi has been a guest faculty in a number of professional institutions & Banks.**



# Savitha Kesav Jagadeesan

- **Enrolled with the Bar Council of Maharashtra & Goa in 1999 and has been a member of the Supreme Court Bar Association of India since 2001.**
- **Pursuing her Ph.D. in Cyber Crime from Monash University, Australia.**
- **Has several publications in reputed journals to her credit and also has extensive teaching experience in commercial law.**
- **Currently a Partner with one of India's Leading law firms, Khaitan & Partners, as head of the Chennai office.**
- **Areas of expertise are corporate law, commercial law, India. Investment Strategies, cyber laws.**
- **Member of Yi arm of Confederation of Indian Industry.**



# **Plenary Session IV**

## **Cyber Threats: Military, Industrial, Commercial & Societal**

**1515 -1615 hrs**

- **Mr. Jayadeva Ranade, Former Addl. Cabinet Secretary**
- **Mr. Amaresh Pujari, IPS – IG Training, Tamil Nadu Police Academy**
- **Mr. Amit Sharma, Dy Director, DRDO, New Delhi**
- **Mr. Pazhamalai Jayaraman, Chief Information Security Officer, Wipro**



# Jayadeva Ranade

- **Former Additional Secretary, Cabinet Secretariat.**
- **A security and intelligence expert.**
- **A seasoned China analyst with over 25 years experience in the field.**
- **Foreign assignments have included Hong Kong, Beijing, and Mauritius.**
- **Was a Minister in the Indian Embassy in Washington in 2008.**
- **Presently a Distinguished Fellow with the Centre for Air Power Studies.**
- **Contributes to many leading publications, defence and strategic magazines and mainstream national newspapers, on strategic and security issues relating to China (Recently in IE on 12<sup>th</sup> Apr 10).**



# **Amaresh Pujari, IPS**

- **Inspector General of Police (Training) – Tamil Nadu.**
- **BSc, MBA, PG Diploma in Cyber Crimes & Information.**
- **Serves as Deputy Director in the Intelligence Bureau (IB), Gol.**
- **Currently, Member of the Board of Studies for Criminology in Madras University.**
- **Won many Gold Medals in the Colleges & Universities.**
- **Got several Commendation Certificates while serving with the Govt of Tamil Nadu and the Govt of India.**
- **Have been conferred with the Meritorious Service Medal by the President of India.**
- **Great interest in Cyber Crimes.**



## **Amit Sharma**

- **Dy Director in the Office of the Scientific Advisor of Defence Minister.**
- **Masters in ‘Global Security’ from Defence College of Management and Technology, UK & B Tech(honors) in Computer Science and Technology from National Institute of Technology, Hamirpur.**
- **Awarded outstanding scientist promotion ; Technology Group Award & Chevening Scholarship by Foreign Commonwealth Office (FCO), British Government .**
- **Writing a book titled “Cyber Warfare and National Security : When ends define the means”.**
- **Delivered a number of talks on cyber warfare, cyber security and national security issues, at Tallinn, Estonia; Cyber security summit at London; Moscow and is scheduled to deliver a talk on cyber deterrence issues at NATO Marshal Center Germany.**
- **He is currently writing a book titled “Cyber Warfare and National Security.**



# Pazhamalai Jayaraman

- **Chief Information Security Officer, Wipro.**
- **Specialised in communication n/w & data processing during General Election 1991.**
- **Managed IT operations of Vysya Bank before joining Wipro in 1996.**
- **Spearheaded various IT projects & setting up of offshore centres to minimise Information security risks/threats.**
- **Currently spearheading Information Security/Business continuity Assurance program at Wipro.**
- **Delivered number of sessions in domestic & International forums including ISACA, NASSCOM, DSCI, Digital Security conference at USA, Interpol Conf at Egypt.**

# Plenary Session V

## **Cyber War: Emerging Security Challenges in the 21<sup>st</sup> Century 1630 -1745hrs**

- Maj Gen Yeshwant Deva, AVSM (Retd) – Former President IETE, CSO, Southern Army Command
- Mr. J. Prasanna – Chief Executive Officer, AVSLABS
- Mr. Neeraj Gupta – GM, Info Security, IBM

**Summing up: Mr Rajiv Rathinam**

**Scope International Pvt. Ltd.**

**Conclusion: Gp Capt LV Mohandas, CII**





## **Maj Gen Yashwant Deva, AVSM (Retd)**

- **A scholar, writer and defence analyst of repute.**
- **President of the Institution of Electronics and Telecommunication Engineers during 2000-2002.**
- **CSO in Southern Army Command.**
- **A veteran of 1965 and 1971 wars, Operation Pawan in Sri Lanka and internal hostilities and armed conflicts in J&K, Nagaland and Manipur.**
- **An authority on various facets of electrotechnology, e-intelligence, cyber-security, information warfare and cyber and info terrorism.**
- **Committed to a life-long two-pronged mission of “Reaching Other Side of the Digital Divide” and “Taking Technology to the Trench”.**



## **J Prasanna**

- **Has been a system programmer and ethical hacker from age of 15.**
- **Has done technical risk assessment/security consulting for various corporate.**
- **Helped various government agencies in India in giving training, technical expertise, and pre-empting cyber security threats. Worked with private US security Intelligence Company.**
- **Discovered vulnerabilities and fixed them for banking websites, large corporate websites.**
- **Spoken in Cyber Safety week organized by NASSCOM & Local Police in various states.**
- **Writer in newspapers like Deccan Herald, Hindu Business line. Spoken on Chinese intrusion on Indian Cyber space – panel discussion on NDTV.**
- **Guest lectures on various aspects of cyber security at Air Force and Corps of Detectives, Karnataka Police.**
- **He is Joint Secretary, Cyber Society of India.**



# Neeraj Gupta

- **Information Security at IBM India, responsible for Information Security.**
- **Chaired the Cyber-Security conference organized at ICT Conference- Delhi. Speaker at 'IS & Secure Outsourcing' at India Security Summit.**
- **A regular speaker on Information Security and Management Systems at the industry organized Seminars.**
- **Speaker at AP Police Academy- "Cyber security Issues & Strategies".**
- **Writer of Indian and International journal such as ET, Computer Exp, Business Standards-UK, CSO-US.**
- **Worked as Vice President- (Information Security & Privacy Officer) GE Money; Vice President (Business Development) @ British Standards Institution (BSI).**



# **Conference Sum up:**

## **Janagraj Akkaiah**

- **AVP – Network & Information Protection Group Information Security.**
- **Heads Standard Chartered Bank Information security team Chennai.**
- **Over 15 years of experience in the field of Information technology with expertise in the areas of banking Information Security Management, and Project Management.**
- **Closely associates with financial Regulators like HKMA, FSA, and MAS etc.**

# Concluding Remarks



**Gp Capt L V Mohandas**

**Thank You**