

Thought from Managing Editor

Today's complex and interdependent economies rely heavily on cyberspace that is full of vulnerabilities, risks and threats. Average computer users, Enterprises and Nation States are unaware, unprepared, or simply choose to ignore this threats and Vulnerabilities. Due to the looming threat of cyber-attacks, there is lack of confidence by all the users in the ability to effectively, efficiently, and securely conduct commerce and business processes over the Internet and through emerging mobile. Today, the world faces unprecedented risks across the Internet. Highly prudent Ransomware, APT, Phishing, Malware attacks are generally conducted with the complete anonymity and impunity for those perpetrating these acts. It is thus very important that nations come up with cyber security polices and frameworks to ensure cyber security at various levels which need to be incorporated in National Strategy to Secure Cyberspace are:

- Home User and Small Enterprises
- Medium and Large Enterprises
- Critical Information Sectors
- Networks of National Importance

In view of the foregoing, 21st century cyber challenges require 21st century solutions, amidst escalating numbers of sophisticated Ransomware, APT, Phishing, Malware attacks. Bringing in robust security and stability to cyberspace will require new and different ideas compared to what has been worked in other domains of conflict, and collaboration across disciplines. Some of the areas we should focus on are:

- Readiness to address existing and potential cyber threats,
- Formulate international law in cyberspace,
- Ensure respect for human rights in cyberspace,
- Foster cybersecurity capacity building.



Colonel Inderjeet Singh

Chief Cyber Security officer, Vara Technology Pvt Ltd

Colonel Inderjeet Singh is the Chief Cyber Security Officer and Head of the Cyber Security Center of Excellence at Vara Technology. In this role, he is instrumental in building the Cyber Security Business Unit for the Group. He is working on the disruptive technologies in the Cyber Security Space for securing IT networks, Smart cities and Critical Information Infrastructure.

He served in the Indian Defence Forces, is Alumnum of IIT Kharagpur and Symbiosis Institute of Management, Pune. He is an experienced Information Systems professional with experience of more than 27+ year across wide spectrum of areas spanning Information Security, Risk Management, Cyber Security, Cyber Forensics, Cyber Warfare, Cyber Terrorism, Expertise in SOC and CERT, Internet of Things (IoT) including IoT Security, Blockchain and Cryptonomics, Machine Learning and artificial Intelligence and Smart Cities.

He has held prestigious appointments while in Indian Army and has been CIO of E-Commerce Company. He has also served in United Nation Mission in Democratic Republic of Congo.

He is visionary for Start-Up Incubation, Entrepreneurship Development, Strategic Consulting and New Technology Evaluation for commercial viability. He is a Subject Matter Expert on latest innovative Technological domains and effectively managed mission critical projects

He has consistently delivered mission-critical results in the field of in Information Security Management, Cyber Security, Cyber Warfare and Cyber Risk Management.

He is a Council Member of CET (I) and fellow of IETE, IE, Member CSI and Executive Council Member Society for Data Science, Member Information Systems Audit and Control Association (ISACA), IEE, ISOC, IOT for Smart Cities Task Force (IoT4SCTF), Cloud Computing Innovation Council of India (CCICI), Internet Engineering Task Force (IETF), USI and many other professional bodies.

He has been consistently been awarded while in Army and was awarded "**Magnificent CIO of the Year**" Award in year 2016 and **Excellence Award in Cyber Security by International Police Commission in 2019.**



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