

SOCIETY FOR ELECTRONIC TRANSACTIONS AND SECURITY [SETS] (A Government of India Initiative)

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Strategy and Synergy for Security

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Message

Today we are living in a Digital World and as a country moving ahead in the direction of effective utilization of fast-track technology developments, leading to Digital India - the mission which has proved that "Computing for all". However, the increased use of digital transactions in the day-to-day life and the growing cyber security concerns and threat canvass has made the citizens to ponder upon the risks that come with the 'convenience' and it has become imperative now to consider "Cyber Security for all".

The dream and vision of Honourable Late Dr. Abdul Kalam (Former President of India), to set-up a National lab in the area of cyber security, was implemented in 2002, spearheaded by Dr. R. Chidambaram, Former PSA to GOI in the form of Society for Electronic Transactions and Security (SETS), a National Research Lab in Chennai. The baton is now passed on to Prof. K. VijayRaghavan, who has taken the charge as Principal Scientific Adviser to Govt. of India and President, SETS.

While SETS continue to carry-out its Research activities in the key verticals namely, Cryptology; Hardware Security, Cyber Security and related areas, it would also be embracing the new trends such as AI/ Machine Learning techniques, Game theoretic approaches, Block Chain techniques, Data protection mechanisms etc.. The centre would keep its scientists engaged in the state of the art Basic directed research in Post quantum cryptography; Quantum key distribution areas; Hardware security (Physically Unclonable functions, Hardware Trojans) towards long term research needs of the Nation. SETS would put its efforts to bring in coherent synergy to work with industry and academic institutions. In the process it would also arrive at field implementable prototype solutions/ products to address the immediate needs of the cyber security requirements of end user organizations.

In today's scenario, there is a dire need of Cyber security skills development for which the scientific team of SETS is proposing to design Cyber security certificate courses to meet the specific needs of Industry and user organizations. The team continues to guide government organizations in providing the much required technology solutions and provide consultancy in safeguarding the systems and networks of the organizations.

SETS would play the key role in disseminating its in-house knowledge to the industry, academia and R&D institutes through National Workshops, Training programs etc.

Its efforts such as establishment of "Walk-in Cyber Security Education & Research (WiCSER) lab", which was recently launched by Prof. VijayRaghavan, PSA to GOI and President of SETS would help in utilizing its expertise in Cyber security to meet the national needs.

I am sure that SETS lab would become a driving force to reckon with, in imprinting its mark in the Cyber security domain.

(N. Sarat Chandra Babu)

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