

के. विजयराघवन

भारत सरकार के प्रमुख वैज्ञानिक सलाहकार

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## Message

Cyber technology is touching millions of lives every-day, its applications ranging from banking transactions to top secret military communications. It is obvious that securing such vital data and communication is very important. SETS was founded with this goal in mind. The challenges were few and small those days, but have become huge and ever growing today. SETS is working on solutions for such cyber security problems which are of national importance.

SETS has a dedicated group of scientists working in areas of cryptology, hardware security and network security. It is working in niche areas related to cyber security like impact of quantum technology to security, usage of machine learning techniques for solving network security problems and coming up with ideas for securing hardware devices using novel ideas. Surrounded by organisations like IMSc, IIT, C-DAC and DRDO, it works with them in certain areas of common interest.

SETS is building state of the art infrastructure in terms of labs and trained manpower for designing and implementing cybersecurity solutions. Scientists are involved in research and development of such ideas and building prototypes. While SETS is majorly involved in looking inwards in building such capabilities, it also liaises with other organisations such as IIT, IISc, IGCAR, BEL and ECIL in areas of common interest. The ideas such as setting-up of a "Walk-in Cyber Security Education and Research" (WICSER) Lab would connect SETS to other R&D labs, Industry and user organizations and with a strong association with academic institutions.

The idea of building such an organisation working exclusively on cybersecurity issues was conceived by Dr. A.P.J. Abdul Kalam, when he was the Principal Scientific Adviser to the Government of India. The idea was given shape when my predecessor Dr. R. Chidambaram who formulated three guiding principles 'Directed Basic Research', 'Translational Research' and 'Coherent Synergy' for SETS to work in a unique and effective way. This is the right time for SETS to scale up its efforts and generate usable cyber security solutions and contribute to the society.

I am confident that SETS will play an important role in developing scalable and efficient solutions to address the cybersecurity needs. It gives me immense pleasure in introducing this unique organisation to you.

(K. VijayRaghavan)  
President, SETS  
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