

Dr. A.P.J. Abdul Kalam, Honourable President of India during the inauguration of SETS - "Becoming a knowledge superpower by the year 2010 is a very important mission for the nation. While a knowledge society has a two dimensional objective of societal transformation and wealth generation, a third dimension emerges if India is to transform itself into a knowledge superpower. This is knowledge protection and it entails a tremendous responsibility. It is very important that our communication network and information generators are protected from electronic attacks through surveillance and monitoring."

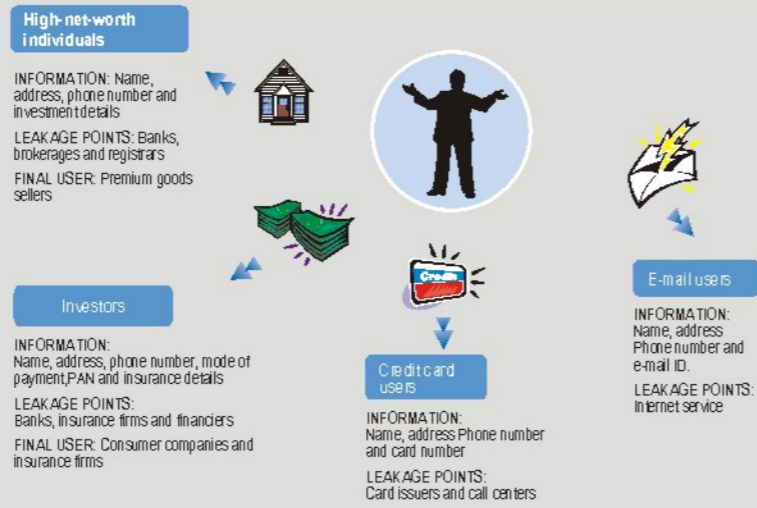
Ambience

- Societies are becoming increasingly dependent on IT and digitized knowledgebase.
- Dissemination knowledge across businesses is taking place through electronic networks.
- Physical Protection though difficult is relatively better understood.
- Logical Protection is more difficult because unseen assets are to be protected and is hence less understood and least appreciated

Goal:

Protection of information assets by putting in place the needed Information Security eco-system, to enable judicious use of INFOSEC technology, policy & law

Is your Information Secure?



Origin of SETS

The idea for achieving the goal by forming a specialized organisation in the area of Information Security, was conceived by Dr. A.P.J. Abdul Kalam and was implemented by Dr. R. Chidambaram, from the Office of the Principal Scientific Advisor to the Government of India. Society for Electronic Transactions and Security (SETS) was formally launched, under the NASSCOM banner, by Dr. A.P.J. Abdul Kalam on June 25, 2002. SETS is one of the many prestigious initiatives under the aegis of the office of Principal Scientific Advisor to the Government of India.

SETS- A CENTER OF EXCELLENCE

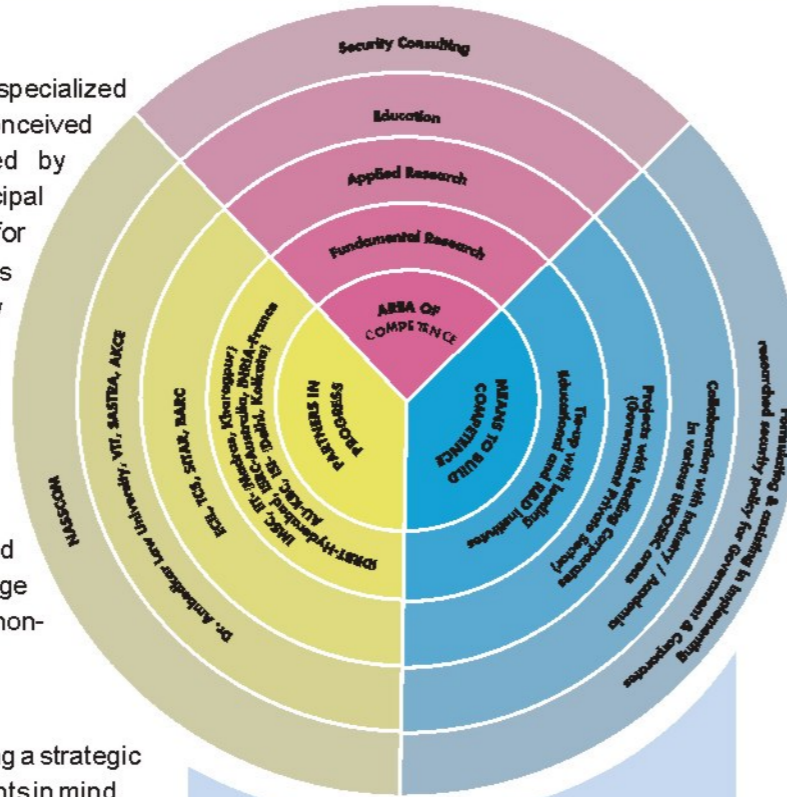
SETS, a center of excellence in Information Security and cryptology, is positioned as a hub of INFOSEC knowledge network. It is a unique public-private partnership and a non-profit organisation.

Objectives of SETS

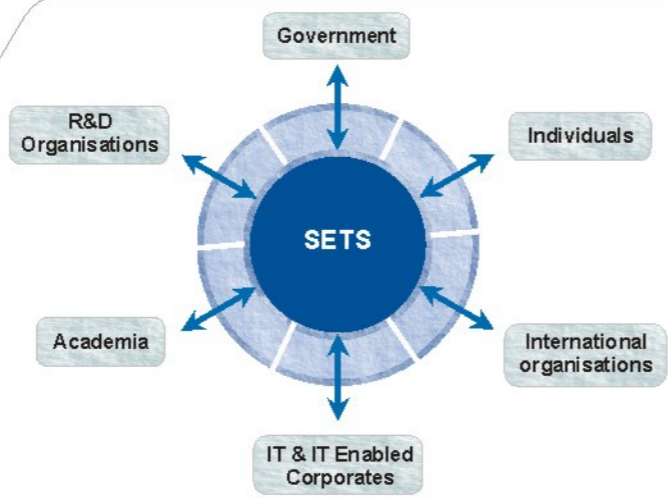
- To aid in development of Information Security by having a strategic and social outlook as well as keeping market requirements in mind.
- To assist policy makers in their efforts to generate and protect the nations wealth by aiding secure asset building activities.
- To provide valuable services in the area of information security through a well defined program by harnessing the power of:
 - Human resources
 - Building association with key segments
 - Technology

Strategy and Synergy

SETS focuses on synergising the efforts relating to INFOSEC technology, research, development, for various sectors around India. NASSCOM has inducted SETS in the National Advisory Board (NAB) on Information Security and Assurance. SETS is also a consultative body for the Tamilnadu State Planning Commission.



- ACTIVITIES IN PROGRESS**
- Development of sophisticated stream ciphers
 - Cryptanalysis of hash functions
 - Analysis and design of security protocols
 - Development of state-of-the art Bulk Encryption Units
 - Courseware for technological concepts
 - Development of INFOSEC Assurance standards



Core Competence

- Analysis, Design, and Implementation of:
- Cryptography Algorithms
 - Cryptology Protocols
 - Secure Information Systems & Security Policy

SETS Strengths

Harnessing the power of expertise

SETS has a pool of highly qualified technical professionals (PhD, MTech / MS, BE / BTech in Cryptology, Mathematics, Computer Engineering, VLSI design and Information Technology) from premier institutes.

SETS assists in developing expertise in the area of Information Security by building associations and aiding / guiding PhD candidates from premier institutes.

State-of-the-art Infrastructure

- SETS uses state-of-the-art technology such as:
- Advanced software tools in the areas of Cryptology, VLSI and Network security.
 - High performance computing facility with workstations and storage accessories.
 - High-speed wireless Internet connectivity.

The infrastructure aids SETS in its R&D activities and making it a unique public-private partnership in the area of Information Security.



Services Offered by SETS:

SETS provides a comprehensive suite of services making it the center of excellence in Information Security. Additionally, SETS offers the following array of services:

- Providing high-quality comprehensive technical and R&D outsourcing services to organisations in the area of Information Security.
- Developing customised security policy and providing assistance in implementation
- Rendering researched advice on security related issues
- Promoting Information Security by jointly hosting seminars, courses and workshops with relevant organisations and academic institutes.
- Generating intellectual properties and researched results with high quality in the area of Information Security.
- Collaborating with Government, Corporate, Academia and Individuals in the area of Information Security to enlarge competence.
- Contributing to INFOSEC standardisation and legalisation processes of Government of India by making available researched technical inputs on a continual basis as the technological arm of the Government.
- Providing Information Security consultancy for commercial, Government, and other sectors.

