



PSG College of Technology, Coimbatore

In association with

Society for Electronic Transactions and Security(SETS), Chennai



National E-Workshop on

INFORMATION STORAGE SECURITY PRACTICES



**Homomorphic Encryption
for Storage Security**

Dr.Prem Laxman Das
Senior Scientist, SETS



**Block Ciphers for Storage
Security**

Ms.Suganya Annadurai
Senior Scientist, SETS



**Key Management for
Storage Security**

Mr.Raja Adhithan
Project Associate, SETS



**Blockchain based
Secure Data Storage**

Dr.K.Anitha Kumari
Associate Professor,
Department of
Information Technology,
PSG College of Technology



**Side Channel Attacks
& Countermeasures**

Dr.P.Saravanan
Associate Professor,
Department of ECE,
PSG College of Technology



**Storage Security
Standards**

Dr.P.V.Ananda Mohan
Former ED ECIL
Electronics Corporation
of India Limited

26-NOV-21

Programme Coordinator

Dr. K. Anitha Kumari

Associate Professor
Department of Information Technology
PSG College of Technology
Email: kak.it@psgtech.ac.in
Mobile: 9842525820

Technical Coordinators

PSG CT

Ms.R.Padmashani

Assistant Professor (Sr.Gr)
Department of Information Technology,
PSG College of Technology
Email: rpi.it@psgtech.ac.in

SETS

Mr. Hari Prasad

Scientist,
Hardware Security Research Group,
SETS



REGISTRATION LINK - <https://forms.gle/ZFWwrunk2cGhqNwa6>



National E-Workshop on Information Storage Security Practices 26th November 2021



Organized by
PSG College of Technology, Coimbatore
In association with

Society for Electronic Transactions & Security (SETS), Chennai

Information Storage Security Practices (ISSP)

More sophisticated attacks like ransomwares, cyber-physical attacks evolve every day. It has become highly important to understand the information security flow in the organization beyond Anti-Virus. Adoption of disruptive technologies like Blockchain, Homomorphic Encryption Techniques, Block Ciphers and Key Management is essential with the current situation.

This curriculum will introduce the participants to the basics and need of Storage Security, associated challenges and mitigation aspects by incorporating advanced breakthrough technologies like Blockchain, Homomorphic Encryption, Block Ciphers and Key Management. Developing skills on Securing and Managing Storage Infrastructure has become more important than ever in the cyber domain, from identifying threat vectors to defending the organization's assets against adversarial attacks like Side Channel Attacks. The generalization power of Blockchain/Homomorphic Encryption Techniques/Block Ciphers/Advance level of Key Management have become a silver bullet to many problems in cyber security.

ABOUT PSG CT

PSG College of Technology (PSG CT), an autonomous, Government Aided, ISO 9001:2015 certified institution founded by the PSG & Sons' Charities Trust in the year 1951. The college functions with 15 engineering and technology departments mostly accredited by National Board of Accreditation of AICTE. Several advanced centres are set up in the institution and the college has been the recipient of several prestigious funded projects both at International and National level.

PSG CT aspires to (a) provide world-class engineering education, (b) foster research and development, (c) evolve innovative applications of technology, (d) encourage entrepreneurship, (e) develop leadership skills.

ABOUT SETS

Society for Electronic Transactions and Security (SETS) was set-up as a premier Research Institution to work in the area of Information Security under the Office of the Principal Scientific Adviser to the Government of India. It has established an Advanced Facility in Information Security and Cryptology working in the research areas of Information Security as Knowledge Centre with the following objectives:

- Knowledge Creation in Cryptology, Hardware Security and Network Security to meet the specific long-term and short-term needs of the Nation
- Knowledge Application by translating the knowledge created into solutions/products to meet the specific needs of the organizations in collaboration with academia and industry
- Knowledge Dissemination through sharing its expertise by organizing training programs, workshops and national conferences

The workshop focusses on:

- | | |
|--|--|
| <ul style="list-style-type: none"> • Block Ciphers for Storage • Homomorphic Encryption for Storage Security • Hardware Security Implementations • Key Management for Storage Security | <ul style="list-style-type: none"> • Blockchain based Secure Data Storage • Storage and Cyber Attacks • Storage Networking Technologies and Infrastructure Challenges |
|--|--|

TARGET PARTICIPANTS & AMOUNT FOR REGISTRATION

- Engineers, Scientists, Faculty Members, Professionals working in the area of Cyber Security - **Rs. 500/- (Includes GST)**
- Researchers / Students - **Rs. 250/- (Includes GST)**

LAST DATE

Last Date for Registration – **November 13, 2021**
• E-Certificates will be provided to the participants



REGISTRATION LINK

<https://forms.gle/ZFWwrunk2cGhqNwa6>

Account Holder Name: **PSG Center for Nonformal and Continuing Education**

Bank Name : **Central Bank of India**
Branch : **Peelamedu**
Account Number : **1481267367**
IFSC Code : **CBIN0280913**
MICR Code : **641016006**

Send the following details to kak.it@psgtech.ac.in to complete the Registration Process

- Transaction Details including **Participant Name, UTR number, Date and Time of Transaction**
- A copy of **Filled in Registration Form Response**

Venue: Online via GMeet/Microsoft Teams/WebEx

Website: www.psgtech.edu, www.setsindia.in

All communications should be addressed to the Programme Coordinator:

Dr. K. Anitha Kumari

Associate Professor
Department of Information Technology
PSG College of Technology
Email: kak.it@psgtech.ac.in
Mobile: 9842525820