



Strategy and Synergy for Security

# PractoCrypt

Cryptography in Practice



Years of Excellence

## Five-Day Hands-On Training Programme (Physical Mode) on

## Cryptographic Algorithms & Implementation

Opportunity for Participants from Indian R&D Labs, Govt, Academia & Industry



01- 05 Jun, 2026



SETS, Chennai



10 AM - 5 PM

### Training Objective

This five-day program provides a structured journey from fundamental cryptographic concepts to advanced post-quantum techniques, encompassing random number generation, hashing, authenticated encryption, and asymmetric cryptography. The learning experience is strengthened through practical implementations and live demonstrations.

### Key Takeaway

- Cryptographic Schemes & Implementation
- Hands-on with Crypto Libraries
- Application Integration Skills
- Algorithm Selection & Evaluation
- IoT/Embedded Security & PKI Protocols
- Designing Custom Protocols

### Target Audience

- Research Scholars in Cybersecurity & Cryptography
- Developers of Cryptographic Applications & Protocols
- Software & Hardware Engineers using Crypto Libraries
- Security Professionals & QA Teams in Cryptography
- Technical Leads & Engineers in PQC Migration

### Coordinator

Ms Samyuktha M  
Scientist - C

### Co-Coordiators

Dr Shashikant Pandey  
Scientist - C

Shri T Santhosh Kumar  
Scientist - C

# Training Schedule

**Day 1** - Basic Concepts | CSPRNG | Hash Algorithm: SHA-3 | KDF | Hands-on Practical Session

**Day 2** - Symmetric & Asymmetric Crypto | CHACHA20-POLY1305 & ASCON | ECC | Hands-on Practical Session

**Day 3** - Intro to PQC | ML-DSA | ML-KEM | TLS DEMO (ML-DSA + KEM) | Hands-on Practical Session

**Day 4** - SLH-DSA | PKI | Hands-on Session + CTF Game

**Day 5** - Privacy Enhancing Technique | FHE | Hands-on Practical Session

## Fee Details

₹15000 + 18% GST

## Venue

SETS Chennai

## Contact Details

Technical Coordinator

📞 044-66632536

Coordinator

📞 044-66632506

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## Registration Link

<https://forms.gle/eh1kdHzg6j1yeLvE6>

For more details, please visit

<https://setsindia.in/practocrypt2026>

## Organized by

**Cryptology and Computing Research Group**



Strategy and Synergy for Security

**Society for Electronic Transactions and Security (SETS)**  
Cybersecurity Research and Development Organisation  
(Under O/o the Principal Scientific Adviser to the Government of India)  
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