



Information Security Education and Awareness Project Phase-III

Sponsored

SHORT-TERM COURSE

On

**PRIVACY PRESERVING
CRYPTOGRAPHIC SECURITY:
ADVANCED ENCRYPTION, AUTHENTICATION
& ZERO-KNOWLEDGE PROOFS**

23rd to 27th February 2026

Organized By

*R.C. Bose Center for Cryptology and Security,
Indian Statistical Institute, Kolkata*

About ISEA

The Information Security Education and Awareness (ISEA) Project Phase-III is a flagship initiative aimed at strengthening cybersecurity capabilities across India. Spearheaded by the Ministry of Electronics and Information Technology (MeitY), the project focuses on enhancing the nation's cybersecurity posture through education, skill development, and research initiatives. Building on the success of its previous phases, ISEA Project Phase-III addresses the growing challenges in the cybersecurity landscape by fostering academic-industry collaboration, and empowering professionals with advanced training in information security. Through its holistic approach, ISEA Project Phase-III aspires to create a secure digital ecosystem and ensure the nation's resilience against evolving cyber threats.

About Program

This Short-term Course focuses on **Advanced Encryption, Authentication & Zero-Knowledge Proofs**, emphasizing modern techniques that protect data confidentiality and user privacy. The program covers advanced encryption methods, secure authentication mechanisms, and zero-knowledge proofs that enable verification without revealing sensitive information. Participants will gain an understanding of how these cryptographic tools are used to design secure and privacy-aware systems. The sessions aim to support students in strengthening learning and research in secure and privacy-preserving digital technologies.

Convenor

Prof. Subhamoy Maitra,
Acting Head & Professor (HAG),
R C Bose Centre for Cryptology and Security,
Indian Statistical Institute Kolkata

Co-ordinator

Dr. Mriganka Mandal,
Assistant Professor,
Cryptology and Security Research Unit (CSRU),
Indian Statistical Institute Kolkata

Dr. Ramprasad Sarkar,
Post-Doctoral Fellow,
Cryptology and Security Research Unit (CSRU),
Indian Statistical Institute Kolkata

Organizing Members

Dr. Tapadyoti Banerjee (Visiting Scientist), Arani Raychaudhuri (JRF), Rittwik Hajra (JRF), Palash Kanji (PLP), Moumita Dutta (PLP)

Venue

8th Floor, S.N. Bose Bhavan, ISI Kolkata,
203 B T Road, Bonhoogly, Kolkata 700108

Registration Link

<https://faas.isea.app/formview/STC20260120VMLS>

Who Can Attend?

Students from academic and technical institutions.

Resource Persons

Resource persons include experienced faculty members/industry experts from IITs, ISI Kolkata, and leading universities/industries like Frty-two Labs/ administration of the country with demonstrated excellence in the field of cyber security and post- quantum cryptography.