



इलेक्ट्रॉनिक्स एवं  
सूचना प्रौद्योगिकी मंत्रालय  
MINISTRY OF  
**ELECTRONICS AND  
INFORMATION TECHNOLOGY**



## Information Security Education and Awareness Project Phase-III

Sponsored

## FACULTY UPDATION PROGRAMME

On

**CRYPTOLOGY IN THE QUANTUM ERA:  
FROM CLASSICAL SECURITY TO POST  
QUANTUM SOLUTIONS IN PRACTICE**

**12<sup>th</sup> to 16<sup>th</sup> January 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. The program emphasizes capacity building in areas such as secure coding, cryptography, network security, and emerging technologies like IoT and AI. 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 Faculty Updation Program focuses on recent advances in **Quantum Cryptology and Post-Quantum Cryptography**, highlighting both theoretical foundations and practical security challenges. The program introduces quantum threats to classical cryptosystems and explores cryptographic techniques resilient to quantum attacks. Participants will gain insights into modern quantum-safe primitives, protocols, and ongoing research directions. The sessions aim to equip faculty with updated knowledge for teaching and research in next-generation cryptographic security.



## Organising Members

**Dr. Ramprasad Sarkar (Post-doc Fellow), Arani Raychaudhuri (JRF), Rittwik Hajra (JRF), Palash Kanji (PLP), Moumita Dutta (PLP)**

## Coordinator

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

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

## Venue

**8<sup>th</sup> Floor, S.N. Bose Bhavan, ISI Kolkata,**  
203 B T Road, Bonhoogly, Kolkata 700108

## Registration Link

<https://faas.isea.app/formview/FDP20251224VEXY>

## Who Can Attend?

Faculties and Researchers from academic and technical institutions.

## Resource Persons

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