

National Workshop on Cryptology 2025 - Schedule

Day 1: December 07, 2025

Time	Event
09:00 - 10:00	Registration
10:00 - 10:45	Inauguration
10:45 - 11:45	Some Recent Issues in Cryptology (Virtual Mode) Speaker: Prof. Bimal Kumar Roy
11:45 - 12:00	Morning Tea
12:00 - 13:00	Introduction to Differential Cryptanalysis Speaker: Prof. Dipanwita Roy Chowdhury
13:00 - 14:30	Lunch
14:30 - 15:30	Introduction to Differential Cryptanalysis (contd.) Speaker: Prof. Dipanwita Roy Chowdhury
15:30 - 15:50	Coffee Break
15:50 - 16:50	Zero Knowledge Proof and its Application (Virtual Mode) Speaker: Dr Avijit Dutta
16:50 - 17:10	High Tea
17:10 - 18:00	Lightning Talks

Day 2: December 08, 2025

Time	Event
09:30 - 10:30	Differential Cryptanalysis of ARM's Pointer Authentication Code Speaker: Dr Shibam Ghosh
10:30 - 11:30	Key Committing Attacks against AES-based AEAD Schemes Speaker: Dr Mostafizar Rahman
11:30 - 12:00	Morning Tea
12:00 - 13:00	Security and Privacy in Machine Learning (Virtual Mode) Speaker: Dr Nishanth Chandran
13:00 - 13:05	Workshop Group Photo

13:05 - 14:00	Lunch
14:00 - 15:00	Post-Quantum Digital Signatures from Hash Functions Speaker: Dr Sabyasachi Karati
15:00 - 15:30	Session by IIT Bhilai Innovation and Technology Foundation Speaker: Mr Prashant Mathur (CEO)
15:30 - 16:30	Poster Session
16:30 - 17:00	High Tea
17:00 - 18:00	Finding d-differential S-boxes with Constraint Programming (Virtual Mode) Speaker: Dr Raghvendra Singh Rohit

Day 3: December 09, 2025

Time	Event
09:30 - 10:30	Exploring Application of Machine Learning in Cryptology Speaker: Dr Girish Mishra
10:30 - 11:30	Unclonability in Cryptography: Quantum Credentials Speaker: Dr M. Prem Laxman Das
11:30 - 11:50	Morning Tea
11:50 - 12:50	Quantum Key Distribution Speaker: Prof. Goutam Kumar Paul
12:50 - 13:45	Panel Discussion
13:45 - 14:00	Valedictory Session
14:00 - 15:00	Lunch