

## CHIEF PETRON

Prof. Dilip Kumar Baidya  
Director, NIT Silchar

## PATRONS

- Prof. Rabul Hussain Laskar (Dean, Research and Consultancy, NIT Silchar)
- Dr. S. K. Tripathy (Assoc. Dean, Research and Consultancy, NIT Silchar)
- Dr. Sukumar Pati (Assoc. Dean, Research and Consultancy, NIT Silchar)

## CHAIRMAN

Dr. Samir Kumar Borgohain  
HOD, CSE, NIT Silchar

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Dr. Arup Bhattacharjee, Dept. of CSE, NIT Silchar  
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Dr. Ramanujam E, Dept. of CSE, NIT Silchar  
Dr. Jayshree Hazarika, Dept. of CE, NIT Silchar  
Dr. P. Puspa Devi, Dept. of ECE, NIT Silchar

## IMPORTANT DATES

**LAST DATE OF REGISTRATION: 25 JULY 2026**

**WORKSHOP DATES: 27 JULY TO 31 JULY 2026**

## REGISTRATION

Registration fee for external participants is INR 200/-. Scan and upload the signed application Form using the Google Form below.  
Link: <https://forms.gle/2TkMgRaeJdgyY1u6>

Payment can be made via SBI Collect:  
<https://onlinesbi.sbi.bank.in/sbicollect/>

## ELIGIBILITY OF PARTICIPATION

The program is open to faculty members, research scholars, and students pursuing M.Tech., software developer, security analysis, and B.Tech. from technical institutions, engineering colleges, polytechnics, universities, and other recognized organizations. Participation for external candidates is restricted to 25. Selected candidates will be informed via email. Certificates will be provided to those participants who achieve at least 90% attendance.

## ACCOMMODATION AND TRAVEL

Participants are requested to note that no TA/DA or accommodation will be provided. However, refreshments will be arranged for all participants during the workshop. Lunch will be provided for external participants at the institute guest house.

## Convener

**Dr. Chukhu Chunka**, Assistant Professor  
Dept. of CSE, NIT Silchar

✉ [chukhu@cse.nits.ac.in](mailto:chukhu@cse.nits.ac.in)  
☎ +91-9485222076

## Co-convener

**Dr. Parikshit Saikia**, Assistant Professor  
Dept. of CSE, NIT Silchar

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## ONE-WEEK WORKSHOP ON SECURE COMMUNICATION, CRYPTOGRAPHY AND NETWORK SECURITY (SCCNS-2026)

**27 JULY-31 JULY 2026**

## Organized by



**Department of Computer Science  
and Engineering National Institute of  
Technology Silchar, Pin-788010, Dist:  
Cachar, Assam, India**





## ABOUT COMPUTER SCIENCE AND ENGINEERING DEPARTMENT

The undergraduate program in Computer Science and Engineering started with the admission of its first batch of B.E. students in the year 1987. It was then under the Department of Electrical Engineering, from which it along with the undergraduate program in Electronics and Communication Engineering got separated under the Department of Electronics and Communication Engineering in the year 2000. From the year 2000 till 2008, the department was under the Department of Electronics and Communication Engineering. In the year 2008 the Department of Computer Science and Engineering became an independent department. The department offers B. Tech., M. Tech. and Ph. D. programmes. With sound Vision and Mission, this department provides a platform for nurturing engineers and researchers to lead the country in particular and the entire World in general. The department is well-equipped with ultra-modern facilities for research. To name a few the department has Blade Server (IBM 7 blades), Thermal Cameras, Workstations, latest configured Desktop PCs, etc. Furthermore, the department has procured dozens of software, namely, IBM Rational Rose, QUALNET, Red-hat linux, Windows, Matlab, etc. The faculties and the students of the department work in tandem to create a unique identity in the country.

## ABOUT NIT SILCHAR

National Institute Of Technology, Silchar is one of the 31 National Institutes of Technology of India and was established in 1967 as a Regional Engineering College in Assam. In 2002 it was upgraded to the status of National Institute of Technology and was declared as Institute of National Importance under the National Institutes of Technology Act, 2007. The climate in Silchar during June is generally hot, extremely humid, and wet monsoon weather with temperatures usually between 24°C and 35°C. NIT Silchar is a fully residential institution, offering six engineering disciplines and five non-engineering branches. In collaboration with various academic departments, institutions, and renowned national and international industries, it regularly organizes workshops, seminars, conferences, invited talks, and other academic events.



## ABOUT COURSE

In today's digital world, with the rapid growth of the internet, cyber attacks have become more sophisticated, making secure communication a necessity. The communication happens constantly through email, messaging apps, online banking, IoT devices and cloud platforms. This constant exchange of sensitive information (personal data, financial details, and intellectual property etc.) without proper security, can be intercepted, altered or misused by attackers. The secure communication ensures confidentiality of sensitive information, data integrity, availability, authentication and trust. The information exchange has highly vulnerable to cyber threats such as hacking, eavesdropping, phishing and data breaches. The secure communication can be achieved through cryptographic techniques like encryption and decryption, digital signatures, hash function, ECC and RSA. Furthermore, adopting network security techniques like firewalls, secure protocols (HTTPS, SSL/TLS), Intrusion detection systems, authentication mechanism and virtual private networks ensure secure remote access.

## COURSE OBJECTIVES

- To equip participants with a solid theoretical foundation and practical skills in cryptography and network security.
- To explore and understand how data is protected using cryptographic protocols.
- To explore common cyber threats such as hacking, phishing, and data breaches.
- To provide hands-on implementation of cryptographic principles and network security tools and protocols.



## SPONSORED BY



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## DISTINGUISHED SPEAKERS

**Prof. Sukumar Nandi, IIT Guwahati**  
**Prof. Santanu Sarkar, IIT Madras**  
**Prof. Ferdous Ahmed Barbhuiya, IIIT Guwahati**  
**Prof. Prodipto Das, Assam University**  
**Dr. Moumita Patra, IIT Guwahati**  
**Dr. Karan Verma, NIT Delhi**  
**Dr. Jaydeep Howlader, NIT Durgapur**  
**Dr. Sangram Ray, NIT Sikkim**  
**Dr. Kunwar Singh, NIT Trichy**  
**Dr. Laiphrakpam Dolendro Singh, NIT Silchar**





**ONE-WEEK WORKSHOP ON  
SECURE COMMUNICATION, CRYPTOGRAPHY AND NETWORK SECURITY (SCCNS-2026)  
27-31 JULY 2026 (Hybrid Mode)-Organized by Dept. of CSE, NIT Silchar  
Sponsored by ANRF, Govt. of India**



**Prof. Sukumar Nandi**  
Department of CSE  
IIT Guwahati



**Prof. Prodipto Das**  
Department of CSE  
Assam University, Silchar



**Prof. Santanu Sarkar**  
Department of Mathematics  
IIT Madras



**Prof. Ferdous Ahmed  
Barbhuiya**  
Department of CSE  
IIIT Guwahati

**Distinguished Speakers**



**Dr. Laiphrakpam Dolendro Singh**  
Department of CSE  
NIT Silchar



**Dr. Kunwar Singh**  
Department of CSE  
NIT Trichy



**Dr. Jaydeep Howlader**  
Department of CSE  
NIT Durgapur



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