



ONE WEEK WORKSHOP ON

5G and Beyond Communications

09-13 March 2026
(Hybrid Mode)



About the Institute:

National Institute of Technology (NIT) Silchar, an institute of national importance under the NIT Act, was established in 1967 as Regional Engineering College (REC) Silchar in Assam. In the year 2002, it was upgraded to the status of NIT from REC. The landscape of NIT Silchar is beautiful with natural lakes and hillocks, surrounded by tea gardens. NIT Silchar is a fully residential institution with nine hostels for boys and three hostels for girls. NIT Silchar was ranked 50th among all engineering colleges in India by the National Institutional Ranking Framework (NIRF) in 2025, and the Times Higher Education World University Ranking ranked National Institute of Technology Silchar 801-1000 in 2026 rankings.

Organized by

Department of Electronics & Communication Engineering,
NIT Silchar

In collaboration with DoT,
Govt. of India

Chief Patron

Prof. Dilip Kumar Baidya
Director, NIT Silchar

Patrons

Prof. Fazal A. Talukdar
Dean Alumni

Prof. R. H. Laskar
Dean R&C

Convenor

Dr. Koushik Guha

Coordinators

Dr. Wasim Arif
Dr. Prabina Pattanayak
Dr. Devendra S. Gurjar



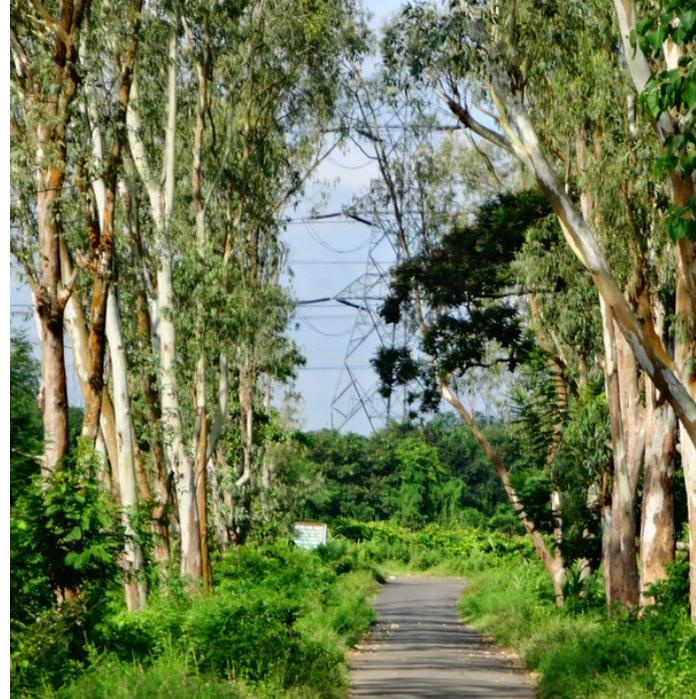
ABOUT WORKSHOP

The primary objective of this one-week workshop is to provide participants with a comprehensive understanding of emerging technologies in 5G and beyond (6G) communication systems, combining strong theoretical foundations with practical exposure. The workshop aims to bridge the gap between academic concepts and real-world implementation by bringing together expert lectures, laboratory demonstrations, and hands-on training sessions through the 5G Use Case Lab.

The specific objectives are:

- To build strong fundamentals of 5G communication systems and architecture.
- To introduce emerging technologies such as RIS-assisted networks, UAV communications, Massive MIMO, ISAC, Backscatter communications, and other 6G enablers.
- To showcase real-world 5G use cases developed at NIT Silchar under the DoT-supported 5G Use Case Lab.
- To provide hands-on training on 5G equipment and an RIS-assisted testbed.
- To enhance research, innovation, and industry readiness in next-generation wireless communications.

By the end of the workshop, participants will acquire both conceptual clarity and practical competence in 5G and beyond technologies.



Targeted Participants

UG/PG Students, Research Scholars, Academicians, and Industry professionals.

Certification

E-certificates will be provided to those participants who have attended the program without any absenteeism.

Course Materials

Lecture slides and other reference materials will be shared with the registered candidates through email.

Registration fee: Nil

Number of participants: 100

Registration Link

<https://forms.gle/EBWaRNgipB1cVswg6>

OUR SPEAKERS

- **Prof. Debarati Sen**
IIT Kharagpur
- **Dr. Salil Kashyap**
IIT Guwahati
- **Dr. Swaminathan Ramabadrnan**
IIT Indore
- **Dr. Suneel Yadav**
IIIT Allahabad
- **Mr. Subrat Kumar Prusty**
DDG - Security, DoT
- **Mr. Saurav Bargohain**
AD - Technology, DoT
- **Mr. Basudev Deka**
AD - Security, DoT
- **Dr. Ashraf Hossain**
NIT Silchar
- **Dr. Ranjay Hazra**
NIT Silchar
- **Dr. Ganesh Prasad**
NIT Silchar

Contact details

Dr. Koushik Guha

Email: hod@ece.nits.ac.in

Dr. Wasim Arif

Email: arif@ece.nits.ac.in

Dr. Prabina Pattanayak

Email: prabina@ece.nits.ac.in

Dr. Devendra Singh Gurjar

Email: dsgurjar@ece.nits.ac.in

Important Dates

Form submission: 28 February 2026

Registration Confirmation: 06 March 2026