

Questions about Workshop?

✉ 5gworkshop@ee.iitb.ac.in

☎ 022-2159-3520

👤 Coordinator: Prof. Prasanna Chaporkar

📍 Seminar Hall No 13, 1st Floor, Victor Menezes Convention Centre (VMCC), IIT Bombay, Powai, Mumbai - 400 076



On-campus Accommodation:

Paid accomodation available for a limited number of participants on first-come, first-served basis.



When?
4th to 8th Dec, 2023

For Whom?
Industry, Govt Officials,
Academia & Students

What?
Core Concepts, Trends,
Specifications, Interactions

Register before:
20 Nov 2023



REGISTRATION FEES:



Industry

₹ 25,000

- ✓ Government Officials
- ✓ Industry Practioners



Academia

₹ 18,000

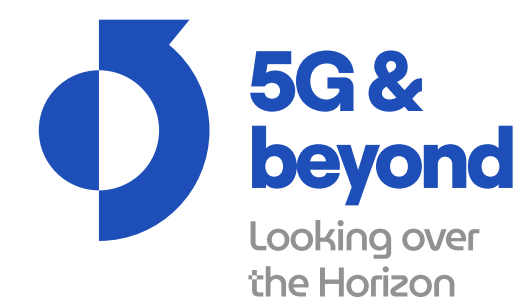
- ✓ University Teachers
- ✓ Professors & Researchers



Students

₹ 8,850

- ✓ Full Time Students
- ✓ Research Students



📅 4th-8th Dec 2023 📍 IIT Bombay, India

**build knowledge,
understand concepts,
trends & interact with
thought leaders**

One Week Workshop Organized by
Dept of Electrical Engineering IIT Bombay

Extraordinary growth starts here..

Why Attend ?

**Growth comes
from experiences..**

**Faculty from Industry,
Academia & Standardization
Communities**

**Elucidation of telecom
standardization process
(ITU, 3GPP, IEEE)**

**Exploring motives & directions
for beyond 5G networks**

**Beneficial for working
professionals, students,
government officials**

Going beyond the horizon from 5G to 6G..

About

**Delve into the forefront of mobile
communication in a 5 day workshop organized
by IIT Bombay focusing on 5G & upcoming 6G
mobile communication systems**

The workshop will provide a solid foundation to the core concepts of the 5G system and outline its evolution towards 6G. A highlight of the program is its excellent blend between practice and theory, with elaboration of both 5G/6G specifications as developed by the global standards bodies such as ITU, 3GPP, IEEE, TSDSI and the underlying fundamental concepts. Well known experts from academia as well as industry will be invited to share their knowledge and insights in the workshop.

5G Network

- Evolution of cellular networks
- Massive MIMO
- 5G system architecture
- Coding techniques in 5G
- Wireless relays
- mmWave communications
- 5G system design philosophy
- Network slicing
- Protocols and interfaces
- Service based architecture

6G Network

- Use cases & requirements
- Terahertz communication
- Multi-access convergence
- Quantum communication
- Rethinking network architecture for 6G
- NTN integration
- AI-native networks
- & more beyond 5G era...
- Integrated sensing and communication
- New waveforms
- Standardization path & methodologies