

DAY 1: **4 December (Monday)**

9.00 am to 9.30 am	Registration
9.30 am to 10.00 am	Introduction Prof. Prasanna Chaporkar, IIT Bombay
10.00 am to 11.00 am	Evolution of Cellular Networks, Prof. Prasanna Chaporkar, IIT Bombay
11.00 am to 11.30 am	Break
11.30 am to 12.30 pm	5G Radio Aspects / Physical Layer, Prof. Sibi and Prof. Kumar, IIT Bombay
12.30 pm to 1.30 pm	mmWave Communications, Prof. Sibi and Prof. Kumar, IIT Bombay
1.30 pm to 2.30 pm	Lunch
2.30 pm to 3.30 pm	MIMO-OFDM for 5G Prof. Sibi and Prof. Kumar, IIT Bombay
3.30 pm to 4.00 pm	Break
4.00 pm to 5.30 pm	MIMO-OFDM for 5G Prof. Sibi and Prof. Kumar, IIT Bombay

DAY 2:

5 December (Tuesday)

9.30 am to 11:00 am

TDD & Massive MIMO

Prof. Sibi and Prof. Kumar, IIT Bombay

11.00 am to 11.30 am

Break

11.30 am to 1.30 pm

TDD & Massive MIMO

Prof. Sibi and Prof. Kumar, IIT Bombay

1.30 pm to 2.30 pm

Lunch

2.30 pm to 3.30 pm

Coding Techniques in 5G

Prof. Sibi and Prof. Kumar, IIT Bombay

3.30 pm to 4.00 pm

Break

4.00 pm to 5.30 pm

Coding Techniques in 5G

Prof. Sibi and Prof. Kumar, IIT Bombay

DAY 3:

6 December (Wednesday)

9.30 am to 10.00 am

TSDSI, 3GPP and ITU

Shri A. K. Mittal, TSDSI

10.00 am to 11.00 am

TSDSI, 3GPP and ITU

Shri. A. K. Mittal, TSDSI

11.00 am to 11.30 am

Break

11.30 am to 12.30 pm

5G System Design, Protocols & Interfaces

Mr. Pranav Kumar Jha, IIT Bombay

12.30 pm to 1.30 pm

Softwarization of Mobile Networks

Mr. Pranav Kumar Jha, IIT Bombay

1.30 pm to 2.30 pm

Lunch

2.30 pm to 3.30 pm

5G Core & Service Based architecture

Prof. Mythili Vutukuru, IIT Bombay

3.30 pm to 4.00 pm

Break

4.00 pm to 5.30 pm

5G Testbed Overview & WLAN Interworking with 5G

Mr. Pranav Kumar Jha & Ms. Shwetha Kiran
(IIT Bombay Multi-RAT Team)

DAY 4:

7 December (Thursday)

9.30 am to 11.00 am

**Multi-access convergence &
NTN integration,**

Mr. Makrand Kulkarni, Saankhya Labs

11.00 am to 11.30 am

Break

11.30 am to 12.30 pm

Wireless Relays

Mr. Pranav Kumar Jha, IIT Bombay

12.30 pm to 1.30 pm

Mission Critical Communication

Mr. Nishant Shah, MCLabs

1.30 pm to 2.30 pm

Lunch

2.30 pm to 3.30 pm

5G Security

Prof. Manjesh Hanawal, IIT Bombay

3.30 pm to 4.00 pm

Break

4.00 pm to 5.30 pm

5G Security – VAJRA Demo,

Prof. Manjesh Hanawal and team, IIT Bombay

DAY 5: **8 December (Friday)**

9.30 am to 11.00 am	6G – Use cases & requirements – IMT 2030, Mr. Niranth Amogh, Nokia
11.00 am to 11.30 am	Break
11.30 am to 12.30 pm	Rethinking network architecture for 6G, Mr. Pranav Kumar Jha, IIT Bombay
12.30 pm to 1.30 pm	AI native Networks, Mr. Ashok Kumar Reddy Chavva, Samsung
1.30 pm to 2.30 pm	Lunch
2.30 pm to 3.30 pm	Integrated Sensing & Communication, Prof. Arzad Kherani, IIT Bhilai
3.30 pm to 4.00 pm	Break
4.00 pm to 5.00 pm	Energy Efficient Networks Prof. Gaurav Kasbekar, IIT Bombay
5.00 pm to 5.30 pm	Concluding Remarks, Prof. Prasanna Chaporkar