

IIITB COMET Foundation Public Outreach:

IIITB COMET Foundation has initiated the following activities as part of public outreach and skill development:

 IIITB COMET Foundation Thought Leadership Series on Advanced Communication Systems:

This initiative aims to bring in thought leaders in areas related to Advanced Communication Systems to share their views on the future of communication networks and related aspects. Thus far, we have had one talk in this series (details in table below).

Date	Title of talk	Speaker(s)
March 25, 2022	Indigenous 5G Technology Development	Prof. Kiran Kuchi (Dean R&D, IIT Hyderabad)

2. IIITB COMET Foundation Workshop Series on Advanced Communication Systems: This initiative aims to upskill human resources in the areas of Advanced Communication Systems. We reach out to students from engineering institutions across India, and to the industry, inviting them to partake in virtual one-day workshops. We have successfully conducted three such workshops (details below; flyers in Appendix A)

SI No	Date	Title of Workshop/Webinar	Speaker(s)
1	March 26, 2022	5G-NR PHY Layer: Modeling, Technologies, and Standards	Dr. Prem Singh (IIITB) Dr. Ekant Sharma (IIT Roorkee)
2	May 21, 2022	Intelligent Reflecting Surfaces: Fundamentals and Applications	Dr. Rajarshi Mahapatra (IIIT NR) Dr. Priyanka Das (IIITB)
3	July 30, 2022	Radar Sensing: Fundamentals and Recent Advances	Dr. Vinod Reddy (IIITB) Mr. Vinay Kulkarni (Ignitarium)
4	December 17, 2022	Overview of Layer 2 & Layer 3 Protocols and Algorithms for Open-RAN based 5G Base Station	Dr. Saptarshi Chaudhuri (Head of the Radio Access Network System Engineering and L1 Department of Radisys Corporation)



5	May 19, 2023	Various Aspects of Quantum Computing	Dr. Bodhaditya Santra (IIT Delhi) Dr. Atul Kumar (IIT Jodhpur) Jayasri DontaBhaktuni (Mahindra University) Dr. Ishu Gupta (IIITB) Dr. Sachin Punyani (Amazon Web Services) Dr. Shiva Kumar Malapaka / Dr. Dibakar Das/ B.Ashok (IIITB)
6	June 17, 2023	Webinar on "5G New Radio Development with MATLAB"	Mr. Tabrez Khan (Team Lead, Application Engineering Team, MathWorks)
7	June 24, 2023	Ultra-Low Power Voltage Reference Circuits	Mr. Vinod Menezes (Texas Instruments, Bangalore) and Dr. Manikandan R R (IIITB)

3. Public lecture series in collaboration with IIITB's Samvaad initiative, on the theme of "5G Verticals and Roll Out"

We partnered with IIITB's Samvaad initiative, with the aim to educate the public on recent happenings in areas related to 5G and wireless communications. These talks were live streamed to the public via YouTube. We had five talks, details of which are included below.

Date	Title of talk	Speaker(s)
June 06, 2022	Mobile Edge Computing and it's Standardization Aspects	Prof. Arzad Alam Kherani (IIT Bhilai)
June 13, 2022	Latest Advances in mmWave MIMO and Massive MIMO	Prof. Aditya Jagannatham (IIT Kanpur)
June 20, 2022	AI for Wireless Communications	Dr. Anand Mukhopadhyay & Dr. Praful Pai (MathWorks)
June 27, 2022	Beam Management in 5G: A Stochastic Geometry Analysis	Dr. Sanket Kalamkar (Qualcomm, San Diego, USA)
July 04, 2022	O-RAN Standards and it's Implementation Aspects	Dr. Sai Dhiraj Amuru (WiSig Networks)



Appendix A

Flyers for IIITB COMET Foundation Workshop Series on Advanced Communication Systems















