



Department of ECE in association with IEEE Vizag Bay APS chapter & IEEE JNTUGV
student Branch
presents a talk on



“Development Radio Communication in India”

- **Resource Person: Dr.Somak Bhattacharyya, Assoc. Professor of ECE, IIT Varanasi.**
- **Date: 24th August 2024 – 10:00 AM to 11:30 AM at Auditorium, AB-2.**

Summary

With the advent of technology, there is an increase in demand for the channel bandwidth, leading to the requirement of high frequencies for communication. In this talk, some modern-day aspects and trends of radio science communication will be presented. Emphasis will be given to applications like radio astronomical techniques, terahertz communication etc. where electromagnetic spectrum plays a critical role. The applications from Indian scenario point of view will also be discussed in the talk.



Somak Bhattacharyya received both Bachelor of Technology and Master of Technology from Institute of Radio physics and Electronics in University of Calcutta in 2006 and 2008 respectively. He received his PhD degree in 2015 from Indian Institute of Technology, Kanpur, India. He had joined Department of Electronics & Communication Engineering at Indian Institute of Information Technology, Allahabad in December 2015. Since 2016 December, he was working as Assistant Professor in the Department of Electronics Engineering at Indian Institute of Technology (Banaras Hindu University), Varanasi where he is currently serving as Associate Professor since September 2023.

He has published more than 50 International Journals and 100 reputed peer-reviewed International and national conference proceedings. He has received the prestigious Young Scientist Award from International Union of Radio Sciences (URSI) three times: Electromagnetic Theory Symposium 2013 in Hiroshima, Regional Radio Science Conference 2015 in New Delhi and Asia Pacific Radio Science Conference 2016 in Seoul. Dr. Bhattacharyya is an IEEE senior member and has been elected as Life Fellow of The Optical Society of India. Fellow of IETE. His current areas of interest lie in metasurface, periodic structures, opto-microwave devices, microwave photonics etc.