



**BITS Pilani**  
Pilani Campus

DEPARTMENT OF  
**ELECTRICAL AND ELECTRONICS ENGINEERING**  
INVITES YOU FOR THE **ALUMNI TALK**

**PHOTONICS AND OPTICAL COMMUNICATION NETWORKS**



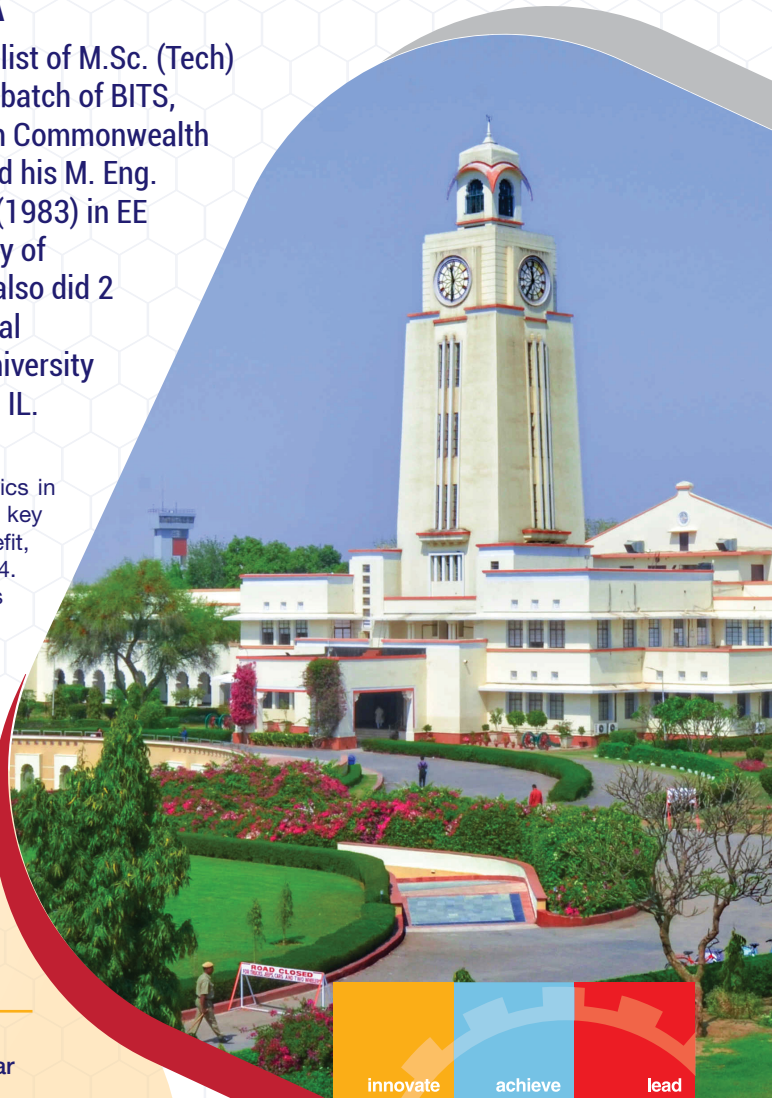
**Naresh Chand**

**Ph.D., Life fellow IEEE Associate Vice President, IEEE Photonics Society  
New Jersey, USA**

He is a Gold Medalist of M.Sc. (Tech) Electronics, 1974 batch of BITS, Pilani. On a British Commonwealth Scholarship, he did his M. Eng. (1980) and Ph.D. (1983) in EE from the University of Sheffield, UK. He also did 2 years post-doctoral research at the University of Illinois, Urbana, IL.

**Abstract of the talk:**

Today we are at the beginning of 4th industrial revolution in which Photonics in general and Optical Communication technologies in particular are the key enablers. They offer India unlimited opportunities to contribute and benefit, driving her green- economic growth towards US \$ 5 Trillion goal by 2024. Photonics is everywhere around us. New photonics technologies, products and applications continue to emerge covering fiber optics communication & sensing, ultra-broadband access networks, information technology, lighting, display, imaging, photovoltaics, optical components, defense and security, healthcare, food preservation and production /manufacturing technologies. All emerging technologies such as IoT, artificial intelligence, virtual reality, machine learning, smart X (X= states, cities, villages, communities, and homes), data centers, vehicular communications, and cloud computing rely on photonics in one form or the other. This talk will discuss Photonics in general and optical communication networks in particular.



**29** SEPT 2022 | **5:00 PM (IST)** | | **6110 NAB AUDITORIUM**

**Coordinator of talk:** Dr. Pankaj Arora | **Seminar Incharge:** Dr. Satyendra Kumar Mourya, | Dr. Rahul Kumar

