



DEPT. OF ELECTRONICS AND COMMUNICATION ENGINEERING

Expert Talk on “Optical and Wireless Networks”

- **Date of Event:** 14th November 2024
- **Venue:** Satyendranath Bose seminar hall, 4th Floor
- **Resource Persons:** Mr. Anudeep Vaggar, Account Manager,
Mr. Aritrakumar Sen, Application Engineer,
Trident Techlabs Limited, Bangalore
- **Event objective:** The Expert Talk on Optical and Wireless Networks was successfully conducted, offering an in-depth exploration of the latest advancements and challenges in the field. The event aimed to provide insights into emerging technologies and foster dialogue among experts, researchers, and students.
- **Topics Covered:** Key topics included:
 - The evolution of optical and wireless communication systems.
 - Integration of optical and wireless networks for next-generation connectivity.
 - Challenges and solutions in deploying advanced network infrastructure.
 - Applications of COMSOL Multiphysics for modeling and simulation in optical networks.
 - The role of 3D printing in developing custom components for wireless and optical systems.
- **Total number of participants:** 100
- **Event Outcomes:**
 - Participants gained valuable insights into antenna design, optical network simulations using COMSOL, and 3D printing applications in wireless communication technologies.
 - The event facilitated connections among attendees, encouraging collaborations in areas such as next-generation network design and custom hardware prototyping.
 - Attendees were exposed to practical techniques in modeling, simulation, and the integration of optical and wireless systems, along with insights into 3D printer-based hardware customization.

