

Event Name: Webinar Topic on Evolution and Overview of Antennas

Date (s) of Conduction: 11-07-2024

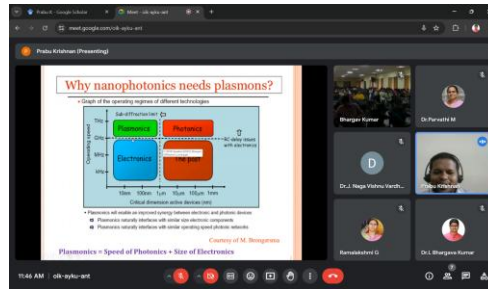
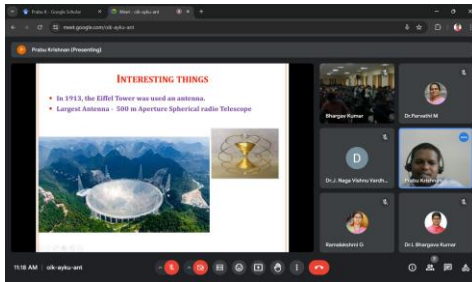
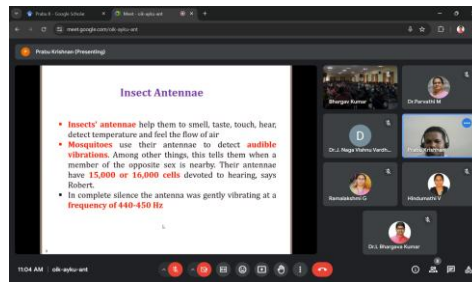
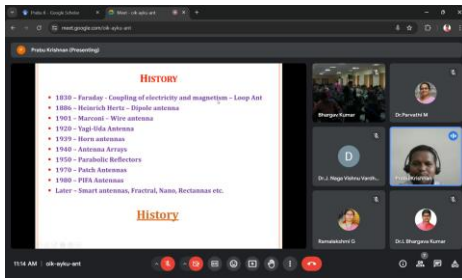
Name of the Resource Person with Details (if any) : Dr. Prabu K, Associate Professor,
Department of ECE,
National Institute of Technology
Karnataka, Surathkal, Mangalore,
Karnataka

No. of Participants: 89

Organized by: Department of Electronics and Communication Engineering,
BVRIT HYDERABAD College of Engineering for Women.

About the Event: The speaker has started off with a historical introduction to the developments that took place over the years about the antennas from the year 1830 to recent years. He has related and narrated how the antenna structures are taken from nature, specifically from the insects (insect antennas). He also connected the human body structures to the antennas. Dr Prabu has illustrated various opportunities available in various public sector (ISRO, DRDO, ADA) and private sector (IC design companies, Mobiles, laptops/computers, routers manufacturing companies) organizations for the students if they have knowledge of antennas. He has explained the relationship between the frequencies and the size of the antennas. He has shown the world's biggest and smallest antennas. He has the present antennas used for the wireless communications such as 5G and 6G (millimeter Wave, Tera Hz) and future trends in the antennas. He narrated how antennas are playing major role in our daily life for IoT applications. He has given brief introduction of the other nano/optical antennas, PC antennas, and smart antennas. Later he explained about the role of meta materials in the design of antennas. He also discussed about the plasmonic antennas and their importance in the coming future.

Photos:



Faculty Co-ordinator

Head of the Department