

PATCH ANTENNA

Date: December 18th, 2019

Speaker: Dr. Raghvendra Kumar Choudhary

On December 18, 2019 from 4:00 pm to 5:30 PM the Department of Electronics and Communication Engineering organized a seminar on Patch Antenna which explains about the design of Patch Antenna and its applications which is a type of antenna that consists of a flat, usually rectangular piece of metal mounted on a substrate. It's a popular design for applications like wireless communication systems, where it can be used for transmitting or receiving radio frequency signals. The patch antenna's size and shape determine its operating frequency and radiation pattern. It's commonly used in devices like Wi-Fi routers, satellite communication terminals, and RFID tags.

The seminar was led by Raghavendra Kumar Choudhury, an Assistant professor in the department of Electronics and Communication Engineering at IIT (ISM), Dhanbad. He graced the seminar with his valuable knowledge on the design and applications of patch antennas. He explained how the specific design parameters and applications can vary greatly based on the frequency range, performance requirements, and environmental conditions for which the patch antenna is intended.

The participants of the workshop have gained knowledge and overview of the designing and applications of the patch antennas. The knowledge of Substrate Dimensions, Patch Mechanism, Feeding Mechanism etc and on the applications of patch antennas like wireless communication, satellite communication and RFID technology. The seminar was successful to give invaluable knowledge and provided them with various opportunities to ignite young minds