

MICROWAVE & OPTICAL COMMUNICATIONS LABORATORY

In Microwave & Optical Communications lab students are given hands-on experience on setting up the microwave bench for studying the characteristics of microwave sources, scattering parameters of microwave components and radiation pattern of microwave antennas. This Lab fills the gap between theory and experimental techniques. Students will also get exposure to the use of microwave test equipment for making measurements of frequency, VSWR, S-parameters, impedance and guide wavelength.

The lab is equipped with hardware components like Gunn diode and Klystron based microwave trainer benches (X-Band), Passive waveguide components(X-band), Klystron Power Supply, VSWR Meter etc.



Hardware Facilities:

- Digital Storage Oscilloscope
- Laser Diode
- Klystron based Micro wave trainer benches (X- band)
- VSWR Meter
- Klystron Power Supply
- Gun Diode
- 3 1/2 Digit Handheld Digital Multimeters
- Cathode-ray Oscilloscope (30 MHz)