



ANTENNAS & MICROWAVE LAB:

In Antennas & Microwave 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:

- Klystron based microwave trainer benches (X-Band)
- Gunn diode trainer bench
- Passive waveguide components (X-band),
- Klystron Power Supply,
- VSWR Meter etc.
- LASER Diode Kit
- LED Characteristics
- Cathode Ray Oscilloscope
- Function Generators
- Fiber Optic Analog & Digital Link Trainer Kits

PC's Software Tools:

- HFSS



Figure: Antennas & Microwave lab

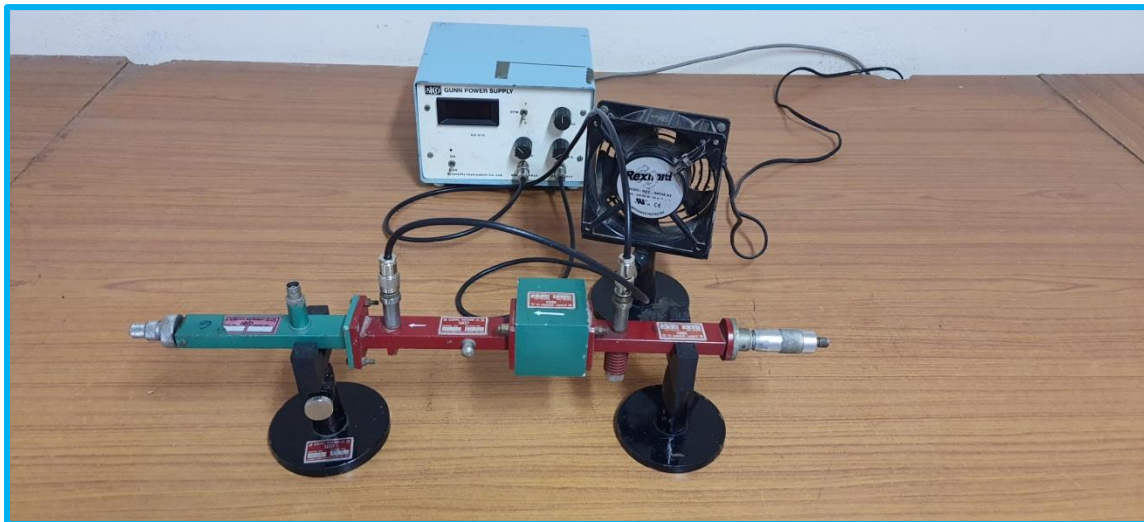


Figure: Antennas & Microwave lab Equipment