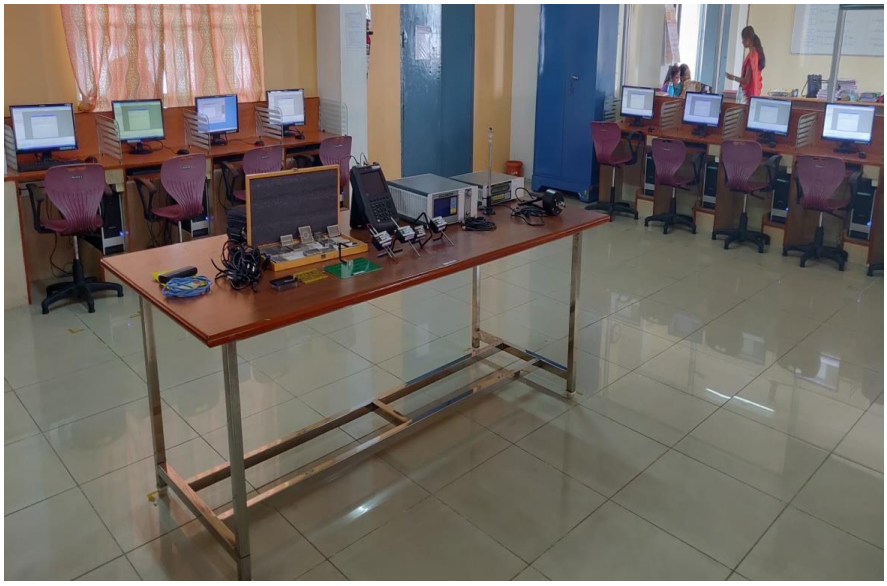
RF SYSTEM DESIGN LABORATORY:

Laboratory In-charge : Mr. U. Surendar AP/ECE

Technical supporting staff : Ms. M.Mahalakshmi



Snapshot of RF System Design Laboratory

Area of the laboratory: 102.92 Sq.m

Major Equipment:

- Advanced Fiber Optic Trainer
- Antenna Trainer
- CDMA trainer for Channel Allocation
- Global Positioning System Trainer
- Agilent ADS- RF Design & Simulation
- ADS
- HFSS
- Network Analyzer

List of Experiments:

- Measurement of S parameters for a) Inductor b) Capacitor c) impedance matching circuits, filters using network analyzer
- Design of λ/2, λ/4 micro strip transmission line.
- Design λ/4 micro strip transmission line.
- Design of microstrip inductor and
- Design of microstrip capacitor.
- Design of impedance matching network.
- Design of low pass, high pass, band pass and band stop filter at RF .
- Design and characterization of micro strip patch antennas
- Design and characterization of LNA
- Design and characterization of Mixer
- Design and characterization of VCO

Utilization of the laboratory:

- RF System Design Laboratory for ME Communication Systems I year/II sem