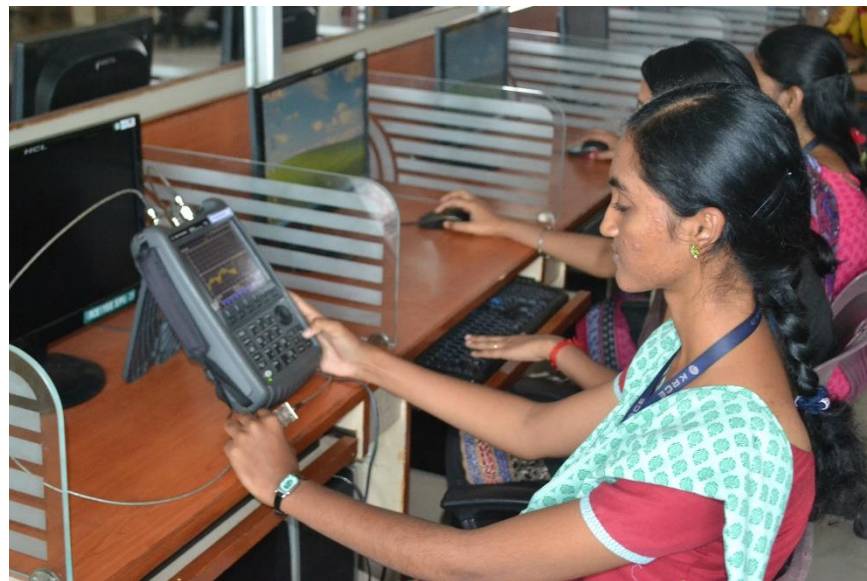




COMMUNICATION SYSTEMS LABORATORY:

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

Technical supporting staff : Ms. M.Mahalakshmi



Snapshot of PG Communication Systems Laboratory

Area of the laboratory: 102.92 Sq.m



Major Equipment:

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

List of Experiments:

- Measurement of transmission line parameters and S parameter estimation of Microwave devices
- Design and testing of a Microstrip coupler
- Generation & detection of binary digital modulation techniques.
- Digital Filter Design and Antenna Radiation Pattern measurement
- Design of impedance matching network,
- Design of low pass, high pass, band pass and band stop filter at RF
- Design and characterization of LNA, Mixer and VCO

Beyond the syllabus experiments:

- Design of Sierpinski fractal antenna using MATLAB

Utilization of the laboratory:

- Communication Systems Laboratory for ME Communication Systems I year/I sem