

# Communication Laboratory

Lab Area: 239.20 Sq.m



This Laboratory involves experiments for third and final level students on analogue and digital communication and optical fiber communication. The laboratory is equipped with analogue and digital communication trainers for studying modulations, transmission and reception of information signals. The lab has telephone trainers, television trainer, EPX-2000 FALCON, EPABX Trainer Kits (Vinytics), AM-FM Trainer Kit, Pulse Modulation Trainers, Sampling & Reconstruction Circuit Trainer Kit, TDM Pulse Modulation Demodulation Trainer Kit, TDM PCM Transmitter Trainer Kit, TDM PCM Receiver Trainer Kit, Delta Adaptive Delta Sigma Mod/Demod Kit, Data Formatting & Career Modulation transmitter Kit, Career Demodu.& Data Reformatting Receiver Kit, Audio Input / Output Module, PAM PPM PWM Mod / Demod Trainer Kit, DSB / SSB AM Transmitter / Receiver Trainer Kit, FM Transmitter & Receiver Trainer Kit, Digital Modulation Trainers to demonstrate various concepts of communication with applications. For optical fiber study, the laboratory is well equipped with transmitter-receiver kits with LED and Laser as sources., Satellite Trainer, Base Band Transmitter ST2134, GSM Application Module ST2133AM, Basic GSM Trainer ST2133 This laboratory has OPTSIM 5.0 6 users software used for simulation of advance optical network & components. The lab is equipped with various test and measuring instruments like Cathode Ray Oscilloscopes, function generators, spectrum analyzer, Digital Storage Scope, optical power meter, field power meter.