

ELECTRICAL
MEASUREMENT LAB



Major equipment

1) Experimental Setup for Measurement of HF & VHF

(This Setup Consist Of 250 MHz, RF source with AM& FM , 150 MHz, counter & F.M , TX+ RX kit For Exp Like broad cast Antenna)

2) Experimental Setup for Wave Modulated & Spectrum Analysis

(Consist of mixed Signal Generator , DMM, specially designed Q-meter System to find out all mixed frequency resonance indication on meter CRO & PC interface spectrum analyzer software to observe.)

A Brief write-up

In Electrical Measurement Lab three number of code EE-492, EC-695C, EI-491 are performed . In these code the following Experiments has been conducted.

- 1) Instrument workshop -observe the construction of P.M.M.C , Dynamometer , Electro thermal & Rectifier type instrument, osilloscope, & digitel multi meter.
- 2) Calibrate moving iron & Electro dynamometer type ammeter/ Volt meter by potentiometer.
- 3) Calibrate Dynamometer type wattmeter by potentio meter
- 4) Calibrate A.C energy meter
- 5) Measurement of power using Instrument transformer
- 6) Measurement of power in Poly - Phase circuit
- 7) Measurement of Inductance by Anderson bridge
- 8) Acquaintance with basic structure of DMM & measurement of different electrical parameters
- 9) Study of A/D converter along with its associate circuit
- 10) Study of D/A Converter

