

# K L UNIVERSITY

## Department Of Basic Engineering Sciences-I

### MEASUREMENTS LABORATORY

#### LIST OF EXPERIMENTS

<i>S.No</i>	<i>Name Of The Experiment</i>
1	Measurement Of Dimensions using Caliper , Screw Gauge
2	Measurement Of Strain Of a Cantilever Beam using Electrical Strain Gauge
3	Measurement Of Torque using Toque module
4	Measurement Of Temperature using Thermocouple, Thermistor, LM35 and RTD
5	Measurement Of Rate Of Flow using Rotameter
6	Measurement Of Volumetric Flow using Turbine Flow Meter
7	Measurement Of Displacement using Inductive Transducer, Capacitive Transducer, LVDT, Potentiometer
8	Measurement Of R-L-C Components using COLOUR CODE and LCR meter
9	Verification Of K.C.L using NI MyDAQ/Digital Multimeter
10	Verification Of K.V.L using NI MyDAQ/Digital Multimeter
11	Measurement Of Inductance Using Anderson Bridge
12	Measurement Of Capacitance Using Schering Bridge
13	Measurement Of Electrical Power ,Energy And Power Factor of R and R-L load
14	Measurement Of Signal Parameter using Digital Storage Oscilloscope
15	Measurement Of Duty Cycle using Digital Storage Oscilloscope
16	Measurement Of Phase Difference Between Two Signals using Lissajous Patterns
17	Measurement Of Area Using Planimeter
18	Measurement Of Horizontal Angle And Vertical Elevation Using Theodolite
19	Measurement Of Electro Physiological Measurements- ECG.EMG and EEG
20	Calibration Of Pressure Gauge Using Dead Weight Pressure Tester
21	Measurement Of Viscosity Of Liquid by Falling Sphere method.