

**IV B.Tech – I Semester**  
**(17EC752) TRANSDUCERS LAB**  
**(Skill Course Lab-II)**

Int. Marks	Ext. Marks	Total Marks
60	40	100

L	T	P	C
-	-	3	2

**Pre-Requisites:**

**List of Experiments:**

1. Characteristics of optical transducer - LDR
2. Characteristics of LVDT
3. Characteristics of RTD
4. Characteristics of thermocouple
5. Characteristics of thermistor
6. Characteristics of capacitive displacement transducer
7. Measurement of displacement using LVDT
8. Measurement of strain and torque using strain gauges
9. Calibration and measurement of temperature using PRT
10. Liquid level measurement using capacitive measurement system

**Course Outcomes:**

After successful completion of the course, the students can be able to:

S. No	Course Outcome	BTL
1.		
2.		
3.		
4.		
5.		
6.		

**Correlation of COs with POs & PSOs:**

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO 1														
CO 2														
CO 3														
CO 4														
CO 5														
CO 6														