

**DEPARTMENT: ELECTRICAL** 

**SEMESTER:7th** 

SUBJECT NAME: INDUSTRIAL

INSTRUMENTATION

**SUBJECT CODE: 2170913** 

**FACULTY NAME: ASST PROF. ANKUR JHA** 

## **ASSIGNMENT 5**

- 1. Describe dynamic characteristics of piezo electric transducer. Obtain the relationship of piezo electric transducer output voltage and voltage sensitivity, pressure and thickness of crystal.
- 2. Explain the use of Thermister for temperature measurement.
- 3. Explain Black Body concepts for very high temperature measurements. Describe with neat diagram how disappearing filament type optical pyrometer can measure very high temperature. Mention it's merit and demerits.
- 4. Write short note on Synchros.
- 5. Write short note on Ultrasonic flow meter.

