



IMS Engineering College, Ghaziabad

Department of Computer Science and Engineering

Subject Name: Sensor & Instrumentation	Subject Code	KOE-044
Date of Handover:	Max Marks	1.5
Date of Submission:		

ASSIGNMENT NO.-4

Q.no	Question	Mapped CO
a.	What are the different types of flow sensors? Differentiate between Ultrasonic & Electromagnetic type flow sensor.	CO2
b.	Explain the use of proximity sensor as a vibration sensor and accelerometer.	CO2
c.	Describe the following types capacitive methods for level measurement. i. Variable area method ii. Variable dielectric constant method	CO2
d.	Draw and explain the basic block diagram of data acquisition system and differentiate between Analog & Digital DAQ.	CO4
e.	What are the different types of ADC? Describe in details the successive approximation method of analog to digital conversion.	CO4