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.-3

Q.no	Question	Mapped CO
a.	Explain the position measurement using Hall Effect sensor.	CO2
b.	What is Seebeck effect? Explain the working principle and construction of thermocouple.	CO2
c.	Explain the construction and principle of working of Thermistors.	CO2
d.	A platinum resistance thermometer has a resistance of 100 Ω at 0°C. What is the resistance when the temperature is 150°C? When the temperature has a resistance of 350Ω, what is the value of temperature? Platinum has a resistance temperature coefficient of 0.0039/°C.	CO2
e.	Explain the different types of proximity sensors.	CO2