



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.-1

Q.no	Question	Mapped CO
a.	What is the difference between sensor and transducer? Give the classification of transducers.	CO1
b.	Discuss the classification of sensors. What are the different factors affecting the choice of sensors?	CO1
c.	Enlist the classification of errors.	CO1
d.	Explain the construction and principle of working of a LVDT with suitable diagram. Give the advantages & disadvantages.	CO1
e.	Explain the construction and principle of working of a potentiometric displacement sensor with suitable diagram. Derive the expression for output voltage in case of loading effect.	CO1