

Course Number and Name												
BEI406 - ELECTRONIC INSTRUMENTATION												
Course Objectives												
<ul style="list-style-type: none"> • Explain basic concepts and definitions in measurement. • Describe the bridge configurations and their applications. • Elaborate discussion about the importance of signal generators and analyzers in Measurement. 												
Prerequisites						Co-requisites						
BEE101-Basic Electrical & Electronics Engineering						BEC405-Linear Integrated Circuits						
Course Outcomes (COs)												
CO1: Recognize the evolution and history of units and standards in Measurements.												
CO2 : Identify the various parameters that are measurable in electronic instrumentation.												
CO3 : Employ appropriate instruments to measure given sets of parameters.												
CO4 : Practice the construction of testing and measuring set up for electronic systems.												
CO5: To have a deep understanding about instrumentation concepts which can be applied to Control systems.												
CO6 : Relate the usage of various instrumentation standards.												
Student Outcomes (SOs) from Criterion 3 covered by this Course												
	COs/SOs	A	b	c	d	E	F	G	h	i	J	K
	CO1		M									
	CO2	H		H		M	L		M	M		
	CO3	M	M	H	H				M		M	
	CO4	H		H	H	H			M			
	CO5				M					M		
	CO6	H	L				H				L	