

Course Number and Name												
BEE605 & Measurement and Instrumentation												
Credits and Contact Hours												
3 & 45												
Course Coordinator's Name												
Mr.Vijayaragavan												
Course Description												
To make the student have a clear knowledge of the basic laws governing the operation of the instruments, relevant circuits and their working, Introduction to general instrument system, error, calibration etc.												
Prerequisites						Co-requisites						
Control System						Nil						
required, elective, or selected elective (as per Table 5-1)												
Required												
Course Outcomes (COs)												
CO1: Gain the knowledge of measuring various electrical and non electrical parameters.												
CO2: Know the working and functions of Transducers and advanced sensors.												
CO3: Gain the knowledge in digital measurement and data acquisition system.												
CO4: Ability to measure frequency, phase with Oscilloscope.												
CO5: Ability to measure strain, displacement, Velocity, Angular Velocity, temperature, Pressure Vacuum, and Flow												
Student Outcomes (SOs) from Criterion 3 covered by this Course												
COs/SOs	a	b	c	d	e	f	g	h	i	j	k	l
CO1	M	H	L	H	M	L	M	L	M	M	L	M
CO2	H	H	L	H	M	L	M	L	H	M	L	M
CO3	H	H	M	H	H	M	M	L	H	M	L	M
CO4	H	H	M	H	H	M	M	L	H	M	L	M
CO5	H	H	M	H	H	M	M	L	H	M	L	M