

<b>Course Number and Name</b>												
BEE050 & Process Control Engineering												
<b>Credits and Contact Hours</b>												
3 & 45												
<b>Course Coordinator's Name</b>												
Mr.K.S.Prasad												
<b>Course Description</b>												
To enable the students to learn the basic concepts of process control and to develop sufficient knowledge of the various control actions and design of controllers used to control any process.												
<b>Prerequisites</b>						<b>Co-requisites</b>						
Control System						Nil						
required, elective, or selected elective (as per Table 5-1)												
Required												
<b>Course Outcomes (COs)</b>												
CO1: Learn the basic control actions and. Compute the Mathematical Model for different process.												
CO2: Analyse the characteristics of different types of Controllers and selection of controller.												
CO3: Select ,design and tune a controller to suit a particular process												
CO4: Identify the basic components of a final control element and distinguish the different Characteristics of control valve.												
CO5: Understand and analyze the concept of multi loop control techniques												
<b>Student Outcomes (SOs) from Criterion 3 covered by this Course</b>												
COs/ POs	a	b	c	d	e	f	g	h	i	j	k	l
CO1	H	H	L		L				H			M
CO2	M	H	M		L				M			M
CO3	M	H	H		M				H			M
CO4	H	M	M		L				M			M
CO5	M	M	L		M				M			M