Course Number and Name	
BEE003 & Advanced Control System	
Credits and Contact Hours	
3 & 45	
Course Coordinator's Name	
Dr.V.Jayalakshmi	
Course Objectives	
To provide knowledge on design in state variable form and in phase plane analysis	
Prerequisites	**Co-requisites**
Control System	Nil
required, elective, or selected elective (as per Table 5-1)	
Required	

Course Outcomes (COs)

CO1:To develop mathematical models and understand the mathematical relationships between the sensitivity functions and how they govern the fundamentals in control systems.
CO2:To understand the phase plane analysis.
CO3:To give basic knowledge in describing function analysis.
CO4:To study the design of optimal controller.
CO5: To design of optimal estimator including Kalman Filter

Student Outcomes (SOs) from Criterion 3 covered by this Course

COs/POs	a	b	c	d	e	f	g	h	i	j	k	l
CO1	H	M	M	H	H		L		H	L	L	M
CO2	H	M	M	H	H		L		H	L	L	M
CO3	H	M		H	H		L		H	L	L	M
CO4	H	M		H	H		L		H	L	L	M
CO5	H	M	M	H	H		L		H	L	L	M