

Course Number and Name												
BEE011 & High Voltage Dc Transmission												
Credits and Contact Hours												
3 & 45												
Course Coordinator's Name												
Mr.Uma Mageshwaran												
Course Description												
To master the various fundamentals, converter design, protection schemes of HVDC transmission systems. This will help you to gain knowledge and to do research in the area of HVDC transmission systems.												
Prerequisites						Co-requisites						
Basic Electrical and Electronics Engineering						Nil						
required, elective, or selected elective (as per Table 5-1)												
Required												
Course Outcomes (COs)												
CO1:To learn about the historical development and emergence of HVDC transmission. CO2:To study about the various thyristor converters used in HVDC transmission. CO3:To analyze various control methodologies and characteristics of converters. CO4:To understand the principle of protection schemes used in HVDC transmission. CO5:To learn the fundamentals of ground return, filters and harmonics.												
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	M	M	M	H	M	M	M	H		H	L	M
CO2	H	M	M	H	H		M	H	H	H	L	M
CO3	L	H		H	H	M	L	H	H	H	L	H
CO4	L	H	M	H	H	M	L	M	H	L	H	H
CO5	H	M	M	H	H		M			L	L	L