

Course Number and Name												
BEE601 & Transmission and Distribution												
Credits and Contact Hours												
4 & 60												
Course Coordinator's Name												
Mr.Uma Mageshwaran												
Text Books and References												
Text Book:												
1. Mehta V.K, Rohit Mehta “Power system” S. Chand & Co ltd, 2005.												
2. D. P. Kothari and I J Nagrath, ‘Modern Power System Analysis’, Tata McGraw – Hill, 2nd Edition, 2008.												
3. Singh S N, ‘Electric Power Generation Transmission and distribution’, PHI India, 2nd Edition, 2008.												
References:												
1. C.L. Wadhwa: Electrical Power Systems, 3rd Edn, New Age International Publishing Co., 2001.												
2. Turan Gonen, ‘Electric Power Distribution system engineering’, CRC Press INC, 2 nd Edition 2007.												
3. http://nptel.ac.in/courses/108102047/												
Course Description												
To learn the usage of passive elements in various Power Transmission Systems, To design a Transmission and distribution electric power system.												
Prerequisites						Co-requisites						
Electromagnetic Theory						Nil						
required, elective, or selected elective (as per Table 5-1)												
Required												
Course Outcomes (COs)												
CO1: To describe transmission element in power system network												
CO2: Summarize the modelling of transmission and distribution components and analyze its Performance.												
CO3: Apply the concepts of transmission line into real time transmission networks.												
CO4: Identify major components of power transmission and distribution systems.												
CO5: Know and appreciate the key factors in equipment specification and network design.												
Student Outcomes (SOs) from Criterion 3 covered by this Course												
COs/SOs	a	b	c	d	e	f	g	h	i	j	k	l

