

<b>Course Number and Name</b>	
BEE703 & ELECTRICAL DRIVES AND CONTROL	
<b>Credits and Contact Hours</b>	
4 & 60	
<b>Course Coordinator's Name</b>	
<b>Text Books and References</b>	
<p><b>Text Books:</b></p> <ol style="list-style-type: none"> <li>1. S.K Pillai 'A First Course On Electrical Drives', Wiley eastern Ltd., Bombay 1989.</li> <li>2. Gopal,K.Dubey, ' Power Semiconductor Controlled Drives,'Prentics Hall, Englewood Cliffs, New Jersey 1989.</li> <li>3. N.K.De, P.K.SEN, "Electrical Drives", PHI, New Delhi.</li> </ol> <p><b>References:</b></p> <ol style="list-style-type: none"> <li>1. P.C. Sen, 'Thyristor DCdrives', John Whey and Sons, New York, 1981.</li> <li>2. B.K. Bose, 'Power electronics and AC drives', Prentice Hall, Englewood cliffs, New Jersey, 1986.</li> <li>3. Vedhamsubramanyam, Thyristor control of electric drives',Tata McGraw hill publishing company Ltd. New Delhi, 1991.</li> <li>4. <a href="http://www.motioncontrolonline.org/content-detail.cfm/Motion-Control-News/Electric-Drives-Concepts-and-Applications/content_id/1082">http://www.motioncontrolonline.org/content-detail.cfm/Motion-Control-News/Electric-Drives-Concepts-and-Applications/content_id/1082</a></li> </ol>	
<b>Course Description</b>	
To enable the students to gain a fair knowledge on characteristics and applications of electrical drives and how to control the speed of the AC & DC Motors.	
<b>Prerequisites</b>	<b>Co-requisites</b>
	NIL
required, elective, or selected elective (as per Table 5-1)	
Required	
<b>Course Outcomes (COs)</b>	
<p>CO1: To learn the General characteristics of different types of electrical AC &amp; DC Motors with respect to the applications.</p> <p>CO2: To understand the operation of different types of DC electrical drives.</p> <p>CO3: To understand the operation of Three Phase Induction Motors Drive.</p> <p>CO4: To understand the operation of Three Phase Synchronous Motor Drives.</p> <p>CO5: To learn the operation of control circuits and applications of Digital Control And Drive Application.</p>	

