

Course	M.Tech. (Power Electronics & Electrical Drives)					Code	PD	
<b>SEMESTER - I</b>	Title	Credits	Hrs. / Week			IA	Exam	Total
			L	T	P			
1MPD1	Advanced Power Semiconductor Devices	4	3	1		20	80	100
1MPD2	Advanced Power Electronics	4	3	1		20	80	100
1MPD3	Electrical Machine Modeling and Analysis	4	3	1		20	80	100
1MPD4	Modern Control System	4	3	1		20	80	100
1MPD5	Power Electronic Simulation Laboratory	4			3	60	40	100
	<b>TOTAL</b>	<b>20</b>	<b>12</b>	<b>4</b>	<b>3</b>	<b>140</b>	<b>360</b>	<b>500</b>
<b>SEMESTER - II</b>	Title	Credits	Hrs. / Week			IA	Exam	Total
			L	T	P			
2MPD1	Industrial Electronics	4	3	1		20	80	100
2MPD2	Switched Mode Power Conversion	4	3	1		20	80	100
2MPD3	Advanced Electric Drives & Their Control	4	3	1		20	80	100
	Elective I	4	3	1		20	80	100
2MPD4.1	Power Quality							
2MPD4.2	Power System Dynamics							
2MPD4.3	Power Electronics for Renewable Energy Systems							
2MPD5	Drives Laboratory	4			3	60	40	100
	<b>TOTAL</b>	<b>20</b>	<b>12</b>	<b>4</b>	<b>3</b>	<b>140</b>	<b>360</b>	<b>500</b>
<b>SEMESTER - III</b>	Title	Credits	Hrs. / Week			IA	Exam	Total
			L	T	P			
	Elective II	4	3	1		20	80	100
3MPD1.1	Flexible AC Transmission Systems							
3MPD1.2	HVDC Transmission							
3MPD1.3	Micro Controller Based System Design							
	Elective III	4	3	1		20	80	100
3MPD2.1	Digital Signal Processing							
3MPD2.2	Modern Control Techniques in Electric Drives							
3MPD2.3	Fuzzy Logic and Neural Networks							
3MPD3	Dissertation Stage -I	6			4	90	60	150
3MPD4	Seminar	6			4	90	60	150
	<b>TOTAL</b>	<b>20</b>	<b>6</b>	<b>2</b>	<b>8</b>	<b>220</b>	<b>280</b>	<b>500</b>
<b>SEMESTER - IV</b>	Title	Credits	Hrs. / Week			IA	Exam	Total
			L	T	P			
4MPD1	Dissertation Stage -II	20			16	300	200	500
	<b>Grand Total</b>	<b>80</b>						<b>2000</b>