


Minimum Credits to be earned for the award of degree: 73**First Year – First Semester**

Course Category	Course Name	L	T	P	C	Maximum Marks		
						CA	ES	Total
Theory Course								
FC	Modelling and Analysis of Electrical Machines	3	2	0	4	40	60	100
PCC	Analysis and Design of Power Converters	3	0	0	3	40	60	100
PCC	Analysis and Design of Inverters	3	0	0	3	40	60	100
PEC	Program Elective - I	3	0	0	3	40	60	100
PEC	Program Elective - II	3	0	0	3	40	60	100
AC	Audit Course - I	3	0	0	0	100	00	100
Laboratory Course								
PCC	Power Electronic Circuits Laboratory	0	0	4	2	50	50	100
PCC	Power Electronics Simulation Laboratory	0	0	4	2	50	50	100
Total		17	2	8	20	400	400	800

First Year – Second Semester

Course Category	Course Name	L	T	P	C	Maximum Marks		
						CA	ES	Total
Theory Course								
PCC	Solid State DC Drives	3	0	0	3	40	60	100
PCC	Solid State AC Drives	3	0	0	3	40	60	100
PEC	Program Elective - III	3	0	0	3	40	60	100
PEC	Program Elective - IV	3	0	0	3	40	60	100
RMC	Research Methodology and IPR	3	0	0	3	40	60	100
AC	Audit Course - II	2	0	0	0	100	00	100
Laboratory Course								
PCC	Digital Control of Power Electronic Circuits Laboratory	0	0	4	2	50	50	100
PCC	Electrical Drives Laboratory	0	0	4	2	50	50	100
EEC	Mini Project with Seminar	0	0	4	2	50	50	100
Total		17	0	12	21	450	450	900

ATTESTED



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Second Year – Third Semester

Course Category	Course Name	L	T	P	C	Maximum Marks		
						CA	ES	Total
Theory Course								
PEC	Program Elective - V	3	0	0	3	40	60	100
OEC	Open Elective	3	0	0	3	40	60	100
Laboratory Course								
EEC	Project Work - Phase I	0	0	20	10	50	50	100
Total		6	0	20	16	130	170	300

Second Year – Fourth Semester

Course Category	Course Name	L	T	P	C	Maximum Marks		
						CA	ES	Total
Laboratory Course								
EEC	Project Work - Phase II	0	0	32	16	50	50	100
Total		0	0	32	16	50	50	100

FOUNDATION COURSE (FC)

Course Category	Course Name	L	T	P	C	Maximum Marks		
						CA	ES	Total
FC	Modelling and Analysis of Electrical Machines	3	2	0	4	40	60	100

PROGRAM CORE COURSES (PCC)

Course Category	Course Name	L	T	P	C	Maximum Marks		
						CA	ES	Total
PCC-01	Analysis and Design of Power Converters	3	0	0	3	40	60	100
PCC-02	Analysis and Design of Inverters	3	0	0	3	40	60	100
PCC-03	Power Electronic Circuits Laboratory	0	0	4	2	50	50	100
PCC-04	Power Electronics Simulation Laboratory	0	0	4	2	50	50	100
PCC-05	Solid State DC Drives	3	0	0	3	40	60	100
PCC-06	Solid State AC Drives	3	0	0	3	40	60	100
PCC-07	Digital Control of Power Electronic Circuits Laboratory	0	0	4	2	50	50	100
PCC-08	Electrical Drives Laboratory	0	0	4	2	50	50	100

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