

KLEF

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

2019-2020 ADMITTED M.TECH POWER ELECTRONICS AND DRIVES

I		Course Code	Course Title	L	T	P	Cr
1	PCC	18EE5109	Modeling and Analysis of Electrical Machines	3	1	0	4
2	PCC	18EE5110	Analysis of Power Converters	3	1	2	5
3	PCC	18EE5111	Power Electronic Control Of Drives	3	1	0	4
4	PCC	18EE5104	Modern Control Theory	3	1	0	4
5	PCC	18EE5113	Advanced Power Converters	3	1	2	5
6	PCC	18EE5114	Advanced Electrical Drives	3	1	0	4
7	PCC	18EE5207	Smart Grids Technologies	3	1	0	4
8	PCC	18EE5116	FPGA controllers and Applications	3	1	0	4
9	PEC		Elective – 1	3	0	0	3
10	PEC		Elective - 2	3	0	0	3
11	PEC		Elective – 3	3	0	0	3
12	PEC		Elective - 4	3	0	0	3
13	PRI	18IE5149	Seminar	0	0	4	2
14	PRI	18IE5150	Term Paper	0	0	4	2
15	PRI	18IE6050	Dissertation	0	0	72	36
Total Credits							86
Professional Elective-1							
1		18EE51E1	Microcontrollers and Applications	3	0	0	3
2		18EE51E2	Digital Simulation of Power Electronic Systems	3	0	0	3
3		18EE51E3	Industrial Control Electronics	3	0	0	3
Professional Elective-2							
1		18EE51F1	Soft Computing Techniques	3	0	0	3
2		18EE51B2	Digital Signal Processors and Applications	3	0	0	3
3		18EE51B3	Optimization Techniques	3	0	0	3
Professional Elective-3							
1		18EE52C1	FACTS DEVICES	3	0	0	3
2		18EE52H2	Electric and Hybrid Vehicles	3	0	0	3
3		18EE52C3	Adaptive Control Systems	3	0	0	3
Professional Elective-4							
1		19EE52D1	Floating Solar and off shore wind technologies	3	0	0	3
2		18EE52D2	Power Quality	3	0	0	3
3		19EE52D3	Energy Management Systems	3	0	0	3