



Koneru Lakshmaiah Education Foundation

(Category -1, Deemed to be University estd. u/s. 3 of the UGC Act, 1956)

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Campus: Green Fields, Vaddeswaram - 522 302, Guntur District, Andhra Pradesh, INDIA.

Phone No. +91 8645 - 350 200; www.klef.ac.in; www.klef.edu.in; www.kluniversity.in

Admin Off: 29-36-38, Museum Road, Governorpet, Vijayawada - 520 002. Ph: +91 - 866 - 3500122, 2576129

Department of ELECTRICAL & ELECTRONICS ENGINEERING

CURRICULUM STRUCTURE for Y20 M.TECH POWER ELECTRONICS AND DRIVES

I	Course Code	Course Title	L	T	P	S	Cr
1	18EE5109	Modeling and Analysis of Electrical Machines	3	1	0	0	4
2	18EE5110	Analysis of Power Converters	3	1	2	0	5
3	18EE5111	Power Electronic Control Of Drives	3	1	0	0	4
4	18EE5104	Modern Control Theory	3	1	0	0	4
5	18IE5149	Seminar	0	0	4	0	2
6	18EE5113	Advanced Power Converters	3	1	2	0	5
7	18EE5114	Advanced Electrical Drives	3	1	0	0	4
8	18EE5207	Smart Grids Technologies	3	1	0	0	4
9	18EE5116	FPGA controllers and Applications	3	1	0	0	4
10		Professional Elective - 1	3	0	0	0	3
11		Professional Elective - 2	3	0	0	0	3
12		Professional Elective - 3	3	0	0	0	3
13		Professional Elective - 4	3	0	0	0	3
14	18IE5150	Term Paper	0	0	4	0	2
15	18IE6050	Dissertation	0	0	72	0	36
Total Credits			36	8	84	0	86
Professional Elective-1							
1	18EE51E1	Microcontrollers and Applications	3	0	0	0	3
2	18EE51E2	Digital Simulation of Power Electronic Systems	3	0	0	0	3
3	18EE51E3	Industrial Control Electronics	3	0	0	0	3
Professional Elective-2							
1	18EE51F1	Soft Computing Techniques	3	0	0	0	3
2	18EE51B2	Digital Signal Processors and Applications	3	0	0	0	3
3	18EE51B3	Optimization Techniques	3	0	0	0	3
Professional Elective-3							
1	18EE52C1	FACTS DEVICES	3	0	0	0	3
2	18EE52H2	Electric and Hybrid Vehicles	3	0	0	0	3
3	18EE52C3	Adaptive Control Systems	3	0	0	0	3
Professional Elective-4							
1	19EE52D1	Floating Solar and off shore wind technologies	3	0	0	0	3
2	18EE52D2	Power Quality	3	0	0	0	3
3	19EE52D3	Energy Management Systems	3	0	0	0	3

Dr. JARUPATI SOMLAL
Professor & HOD
Department of EEE
KLEF Deemed to be University
Green Fields, Vaddeswaram,
Guntur Dt., A.P.-522 502.