



Koneru Lakshmaiah Education Foundation

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

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Department of ELECTRICAL & ELECTRONICS ENGINEERING

CURRICULUM STRUCTURE FOR Y20 M.TECH POWER SYSTEMS

Sl.	Course Code	Course Title	L	T	P	S	Cr
1	18EE5101	Power System Dynamics & stability	3	1	0	0	4
2	18EE5102	Advanced Power System Analysis	3	1	2	0	5
3	18EE5103	Deregulated Operation of Power Systems	3	1	0	0	4
4	18EE5104	Modern Control Theory	3	1	0	0	4
5		Professional Elective - 1	3	0	0	0	3
6		Professional Elective - 2	3	0	0	0	3
7	18IE5149	Seminar	0	0	4	0	2
1	18EE5205	Real Time Control of Power System	3	1	2	0	5
2	18EE5206	AI Techniques in Power Systems	3	1	0	0	4
3	18EE5207	Smart Grids Technologies	3	1	0	0	4
4	18EE5208	Digital Protection of Power Systems	3	1	0	0	4
5		Professional Elective - 3	3	0	0	0	3
6		Professional Elective - 4	3	0	0	0	3
7	18IE5250	Term Paper	0	0	4	0	2
1	18IE6050	Dissertation	0	0	72	0	36
Total Credits							86
Professional Elective-1							
1	18EE51A1	Reactive Power Compensation & Management	3	0	0	0	3
2	18EE51A2	Distribution System Planning & Automation	3	0	0	0	3
3	18EE51A3	Power System Reliability	3	0	0	0	3
Professional Elective-2							
1	18EE51B1	Alternative Sources of Electrical Energy	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	18EE52C2	Energy Conservation & Audit	3	0	0	0	3
3	18EE52C3	Adaptive Control Systems	3	0	0	0	3
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

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