

**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, Governerpet, Vijayawada - 520 002. Ph: +91 - 866 - 3500122, 2576129

Department of ELECTRICAL & ELECTRONICS ENGINEERING**CURRICULUM STRUCTURE FOR Y18 M.TECH POWER SYSTEMS**

SI	Course	Course Title	L	T	P	Cr
1	18EE5101	Power System Dynamics & stability	3	1	0	4
2	18EE5102	Advanced Power System Analysis	3	1	2	5
3	18EE5103	Deregulated Operation of Power Systems	3	1	0	4
4	18EE5104	Modern Control Theory	3	1	0	4
7	18IE5149	Seminar	0	0	4	2
1	18EE5205	Real Time Control of Power System	3	1	2	5
2	18EE5206	AI Techniques in Power Systems	3	1	0	4
3	18EE5207	Smart Grids Technologies	3	1	0	4
4	18EE5208	Digital Protection of Power Systems	3	1	0	4
5		Elective – 1	3	0	0	3
6		Elective - 2	3	0	0	3
5		Elective – 3	3	0	0	3
6		Elective - 4	3	0	0	3
7	18IE5250	Term Paper	0	0	4	2
1	18IE6050	Dissertation	0	0	72	36
Total Credits						86

Elective-1

1	18EE51A1	Reactive Power Compensation & Management	3	0	0	3
2	18EE51A2	Distribution System Planning & Automation	3	0	0	3
3	18EE51A3	Power System Reliability	3	0	0	3

Elective-2

1	18EE51B1	Alternative Sources of Electrical Energy	3	0	0	3
2	18EE51B2	Digital Signal Processors and Applications	3	0	0	3
3	18EE51B3	Optimization Techniques	3	0	0	3

Elective-3

1	18EE52C1	FACTS DEVICES	3	0	0	3
2	18EE52C2	Energy Conservation & Audit	3	0	0	3
3	18EE52C3	Adaptive Control Systems	3	0	0	3

Elective-4

1	19EE52D1	EHVAC & HVDC Transmission	3	0	0	3
2	18EE52D2	Power Quality	3	0	0	3
3	18EE52D3	Integration of Energy Sources	3	0	0	3

Professor & Head
 Department of EEE
 KLEF Deemed to be University
 Green Fields, Vaddeswaram,
 GUNTUR Dt., A.P - 522 502