



Koneru Lakshmaiah Education Foundation
Department of Electrical & Electronics Engineering

M.Tech – Power Systems

Sl No	Course Code	Course Title	Category	L	T	P	S	Cr	CH		Pre-requisite
1	21EE5101	Power System Dynamics & stability	PC	3	1	0	0	4	4		Nil
2	21EE5102	Advanced Power System Analysis	PC	3	1	2	0	5	6		Nil
3	21EE5103	Deregulated Operation of Power Systems	PC	3	1	0	0	4	4		Nil
4	21EE5114	Modern Control Theory	PC	3	1	0	0	4	4		Nil
5	21EE5201	Real Time Control of Power System	PC	3	1	2	0	5	6		Nil
6	21EE5202	AI Techniques in Power Systems	PC	3	1	0	0	4	4		Nil
7	21EE5203	Digital Protection of Power Systems	PC	3	1	0	0	4	4		Nil
8	21EE5214	Smart Grids Technologies	PC	3	1	0	0	4	4		Nil
9		Elective-1	PE	3	0	0	0	3	3		Nil
10		Elective-2	PE	3	0	0	0	3	3		Nil
11		Elective-3	PE	3	0	0	0	3	3		Nil
12		Elective-4	PE	3	0	0	0	3	3		Nil
13	21IE5149	Seminar	PR	0	0	4	0	2	4		Nil
14	21IE5250	Term Paper	PR	0	0	4	0	2	4		Nil
15	21IE6150	Dissertation	PR	0	0	36	0	18	36		Nil
16	21IE6250	Dissertation	PR	0	0	36	0	18	36		Nil
Grand Total Credits									86		
Elective – 1											
1	21EE51S1	Reactive Power Compensation & Management	PE-1	3	0	0	0	3	3		Nil
2	21EE51S2	Distribution System Planning & Automation	PE-1	3	0	0	0	3	3		Nil
3	21EE51S3	Floating Solar and Off - Shore wind Technologies	PE-1	3	0	0	0	3	3		Nil
Elective – 2											
4	21EE51E1	Power System Reliability	PE-2	3	0	0	0	3	3		Nil
5	21EE51B2	Digital Signal Processors and Applications	PE-2	3	0	0	0	3	3		Nil
6	21EE51B3	Optimization Techniques	PE-2	3	0	0	0	3	3		Nil


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Elective – 3											
7	21EE52C1	FACTS	PE-3	3	0	0	0	3	3		Nil
8	21EE52C2	Energy Conservation & Audit	PE-3	3	0	0	0	3	3		Nil
9	21EE52C3	Adaptive Control Systems	PE-3	3	0	0	0	3	3		Nil
Elective – 4											
10	21EE52D1	Alternative Sources of Electrical Energy	PE-4	3	0	0	0	3	3		Nil
11	21EE52D2	Power Quality	PE-4	3	0	0	0	3	3		Nil
12	21EE52D3	Energy Management Systems	PE-4	3	0	0	0	3	3		Nil


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