

DEPARTMENT OF EEE										
Y23 M. TECH (ELECTRICAL & ELECTRONICS ENGINEERING) STRUCTURE										
Sl	CODE	COURSE TITLE	CATEGORY	L	T	P	S	Cr	CH	
1	23UC5201	PROFESSIONAL COMMUNICATION SKILLS	AUC	0	0	4	0	0	4	
2	23EE5207	MATLAB PROGRAMMING FOR ENGINEERS	AUC	0	0	4	0	0	4	
Total Credits (AUDIT COURSES)								0		
3	23EE5101	PYTHON PROGRAMMING FOR ELECTRICAL SYSTEMS	ESC	3	0	2	0	4	5	
Total Credits (ENGINEERING SCIENCE COURSES)								4		
4	23EE5102	ADVANCED POWER CONVERTERS	PCC	2	0	2	4	4	8	
5	23EE5103	ADVANCED POWER SYSTEM ANALYSIS & PROTECTION	PCC	3	1	0	0	4	5	
6	23EE5104	POWER SYSTEM STABILITY& CONTROL	PCC	3	0	2	0	4	4	
7	23EE5205	DIGITAL CONTROL SYSTEMS	PCC	3	1	0	0	4	4	
8	23EE5206	SMART GRID TECHNOLOGIES	PCC	2	1	0	0	3	3	
Total Credits (PROFESSIONAL CORE COURSES)								19		
9		PROFESSIONAL ELECTIVE 1	PE-1	2	0	2	0	3	4	
10		PROFESSIONAL ELECTIVE 2	PE-2	2	0	2	0	3	4	
11		PROFESSIONAL ELECTIVE 3	PE-3	3	1	0	0	4	5	
12		PROFESSIONAL ELECTIVE 4	PE-4	3	0	0	0	3	3	
13		PROFESSIONAL ELECTIVE 5	PE-5	3	0	0	0	3	0	
Total Credits(PROFESSIONAL ELECTIVE COURSES)								16		
14		OPEN ELECTIVE	OE	3	0	0	0	3	0	
Total Credits(OPEN ELECTIVE COURSES)								3		
15	23IE5201	ESSENTIALS OF RESEARCH DESIGN	PRI	1	1	0	0	2	2	
16	23IE5149	TERM PAPER	PRI	0	0	8	0	4	8	
17	23IE6150	DISSERTATION-(PART 1)	PRI	0	0	32	0	16	32	
18	23IE6250	DISSERTATION-(PART 2)	PRI	0	0	32	0	16	32	
	23IE6251	INTERNSHIP	PRI	0	0	32	0	16	32	
Total Credits(PRI COURSES)								38		
TOTAL CREDITS								80.00		



Koneru Lakshmaiah Education Foundation

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ELECTIVE-1								
23EE51A1	ELECTRIC VEHICLE POWER TRAIN DESIGN	PE-1	2	0	2	0	3	4
23EE51A2	GRID INTEGRATION OF RENEWABLE ENERGY SYSTEMS	PE-1	2	0	2	0	3	4
ELECTIVE-2								
23EE51B1	EV BATTERIES & CHARGING SYSTEM	PE-2	2	0	2	0	3	4
23EE51B2	ENERGY STORAGE SYSTEMS	PE-2	2	0	2	0	3	4
ELECTIVE-3								
23EE52C1	FAULT DIAGNOSIS AND CONTROL OF ELECTRIC VEHICLE	PE-3	3	1	0	0	4	5
23EE52C2	ENERGY CONSERVATION & AUDIT	PE-3	3	1	0	0	4	5
ELECTIVE-4								
23EE52D1	AI AND IOT FOR MODERN ELECTRICAL VEHICLES	PE-4	3	0	0	0	3	3
23EE52D2	AI AND IOT FOR GREEN ENERGY SYSTEMS	PE-4	3	0	0	0	3	3
ELECTIVE-5								
23EE53E1	BATTERY MANAGEMENT SYSTEMS	PE-5	3	0	0	0	3	0
23EE53E2	GREEN BUILDINGS AND SMART CITIES	PE-5	3	0	0	0	3	0

OPEN ELECTIVE

23OEBT01M	IPR & PATENT LAWS	OE	3	0	0	0	3	3
23OECE03	SOLID AND HAZARDOUS WASTE MANAGEMENT	OE	4	0	0	0	4	4
23OECE05	DISASTER MANAGEMENT	OE	4	0	0	0	4	4