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 EEE
Y25 M.TECH (ELECTRICAL AND ELECTRONICS ENGINEERING) STRUCTURE

SL	CAT	CODE	COURSE TITLE	L	T	P	S	Cr	CH
1	AUC	25UC5201	PROFESSIONAL COMMUNICATION SKILLS	0	0	4	0	0	4
	AUC	CADCORL1V1	CAREER ADVANCEMENT: TRAINING IN CORE DOMAIN	0	0	0	8	0	8
	AUC	CADENTL1V1	CAREER ADVANCEMENT:ENTREPRENEURIAL CAREER PATHWAY TRAINING	0	0	0	8	0	8
	AUC	CADUPSL1V1	CAREER ADVANCEMENT: UPSC-CIVIL SERVICES EXAM TRAINING	0	0	0	8	0	8
	AUC	CADUPSL2V2	CAREER ADVANCEMENT: UPSC-CIVIL SERVICES EXAM TRAINING	0	0	0	8	0	8
	AUC	CADUPSL3V3	CAREER ADVANCEMENT: UPSC-CIVIL SERVICES EXAM TRAINING	0	0	0	8	0	8
	AUC	CRTVQRL2V2	CAMPUS RECRUITMENT: QUANTITATIVE APTITUDE TRAINING	0	0	0	8	0	8
	AUC	CRTVQRL3V3	CAMPUS RECRUITMENT: REASONING APTITUDE TRAINING	0	0	0	8	0	8
	AUC	CRTVQRL1V1	CAMPUS RECRUITMENT: VERBAL APTITUDE TRAINING	0	0	0	8	0	8
	AUC	CADCOML1V1	CAREER ADVANCEMENT:COMPETITIVE EXAM TRAINING	0	0	0	8	0	8
	AUC	CRTCODL1V1	CAMPUS RECRUITMENT: LOGIC BUILDING SKILLS TRAINING	0	0	0	8	0	8
	AUC	CRTCSSL1V1	CAMPUS RECRUITMENT: COMMUNICATION SKILLS TRAINING	0	0	0	8	0	8
	AUC	CRTCSSL2V2	CAMPUS RECRUITMENT: SOFT SKILLS TRAINING	0	0	0	8	0	8
			TOTAL AUC					**0**	
2	ESC	25EE5101	PYTHON PROGRAMMING FOR ELECTRICAL SYSTEMS	3	0	2	0	4	5
			TOTAL ESC					**4**	
3	PCC	25EE5102	ADVANCED POWER CONVERTERS	2	0	2	4	4	8
4	PCC	25EE5103	ADVANCED POWER SYSTEM ANALYSIS &	3	1	0	0	4	5
5	PCC	25EE5104	POWER SYSTEM STABILITY& CONTROL	3	0	2	0	4	4
6	PCC	25EE5205	DIGITAL CONTROL SYSTEMS	3	1	0	0	4	4
7	PCC	25EE5206	SMART GRID TECHNOLOGIES	3	1	0	0	4	4
8	PCC	25EE5214	EV BATTERIES & CHARGING SYSTEM	3	0	2	0	4	5
			TOTAL PCC					**24**	
9	PE-1	25EE51XX	PROFESSIONAL ELECTIVE-1	3	0	2	0	4	4
10	PE-2	25EE51XX	PROFESSIONAL ELECTIVE-2	3	0	2	0	3	4
11	PE3	25EE51XX	PROFESSIONAL ELECTIVE-3	3	1	0	0	4	4
			TOTAL PEC					**11**	
12	OE	OEBT1001	IPR AND PATENT LAWS	3	0	0	0	3	3

	OE	OEAD1001	FUNDAMENTALS OF BIG DATA	3	0	0	0	3	3
	OE	OECS1001	FUNDAMENTALS OF DBMS	3	0	0	0	3	3
	OE	OEEC1001	IMAGE PROCESSING	3	0	0	0	3	3
	OE	OEEC1002	ML FOR ENGINEERING AND SCIENTIFIC APPLICATIONS	3	0	0	0	3	3
	OE	OEEC1003	DATA SCIENCE: DL AND NN	3	0	0	0	3	3
	OE	OEME1001	MECHATRONICS	3	0	0	0	3	3
	OE	OEME1003	INDUSTRIAL AUTOMATION AND CONTROL	3	0	0	0	3	3
	OE	OECE1001	SOLID AND HAZARDOUS WASTE MANAGEMENT	3	0	0	0	3	3
	OE	OECE1002	ENVIRONMENTAL POLLUTION CONTROL METHODS	3	0	0	0	3	3
	OE	OECE1003	INDUSTRIAL WASTE WATER TREATMENT	3	0	0	0	3	3
	OE	OECS1002	SUSTAINABILITY AND ENVIRONMENTAL AWARENESS IN THE DIGITAL ERA	3	0	0	0	3	3
			TOTAL OEC					**3**	
13	PRI	25IE5201	ESSENTIALS OF RESEARCH DESIGN	1	1	0	0	2	2
14	PRI	25IE5247	TERM PAPER	0	0	8	0	4	8
15	PRI	25IE6148	DISSERTATION (PART-1)	0	0	32	0	16	32
16	PRI	25IE6150	INTERNSHIP-1	0	0	32	0	16	32
15	PRI	25IE6249	DISSERTATION (PART-2)	0	0	32	0	16	32
16	PRI	25IE6251	INTERNSHIP-2	0	0	32	0	16	32
			TOTAL PRI					**38**	
17	VAC	25CC3071	PROGRAMMING USING PYTHON	2	0	0	0	0	2
18	VAC	25CC3005	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING USING PYTHON [INDUSTRIAL	2	0	0	0	0	2
19	VAC	25CC3006	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING USING PYTHON [INDUSTRIAL AUTOMATION]-L2	2	0	0	0	0	2
20	VAC	25CC3026	EMBEDDED SYSTEM APPLICATION & IOT PROGRAMMING - L1	2	0	0	0	0	2
21	VAC	25CC3039	IIOT PROGRAMMING & AUTOMATION -L2	2	0	0	0	**0**	**2**
			TOTAL VAC					**0**	
			TOTAL CREDITS					**80.00**	

PROFESSIONAL ELECTIVES

CAT	CODE	COURSE TITLE	L	T	P	S	Cr	CH
PE-1	25EE51A1	ELECTRIC VEHICLE POWER TRAIN DESIGN	3	0	2	0	4	5
PE-1	25EE51A2	GRID INTEGRATION OF RENEWABLE ENERGY SYSTEMS	3	0	2	0	4	5
PE-2	25EE52D1	AI AND IOT FOR MODERN ELECTRICAL VEHICLES	3	0	0	0	3	3
PE-2	25EE52D2	AI AND IOT FOR GREEN ENERGY SYSTEMS	3	0	0	0	3	3

PE-3	25EE52C1	FAULT DIAGNOSIS AND CONTROL OF ELECTRIC VEHICLE	3	1	0	0	4	5
PE-3	25EE52C2	ENERGY CONSERVATION & AUDIT	3	1	0	0	4	5