



## Koneru Lakshmaiah Education Foundation

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

Accredited by **NAAC** as 'A++' ♦ Approved by **AICTE** ♦ ISO 9001-2015 Certified  
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### DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

**KLEF**

**Department of EEE**

**Y18 B.Tech EEE- category wise Credits**

S.NO	Type of the course	L	T	P	S	C
1	HUMANITIES & SOCIAL SCIENCES	10	0	24	0	20
2	BASIC SCIENCES	13	0	10	0	18
3	ENGINEERING SCIENCES	18	2	18	0	29
4	PROFESSIONAL CORE COURSES	34	4	19	2	48
5	SKILLING COURSES	0	0	0	36	9
6	TERM PAPER & PROJECT	0	0	4	48	16
7	COUNCELLING AND CO CURRIULAR ACIVITIES	0	0	3	6	1
8	OPEN ELECTIVES	11	0	0	0	11
9	PROFESSIONAL ELECTIVES	15	0	0	0	15
<b>TOTAL</b>		<b>101</b>	<b>6</b>	<b>78</b>	<b>92</b>	<b>167</b>

### CURRICULUM STRUCTURE FOR 2018-19 B.TECH - EEE PROGRAM

SNO	CAT	COURSE CODE	COURSE NAME	L	T	P	S	Cr	Pre requisites
1	HSS	18UC1101	Basic English	0	0	4	0	2	NIL
2	HSS	18UC1202	English Proficiency	0	0	4	0	2	NIL
3	HSS	18UC2103	Professional Communication Skills	0	0	4	0	2	NIL
4	HSS	18UC2204	Aptitude Builder -1	0	0	4	0	2	NIL
5	HSS	18UC3105	Aptitude Builder -2	0	0	4	0	2	NIL
6	HSS	18UC3206	Campus to Corporate	0	0	4	0	2	NIL
7	HSS	18UC0007	Indian Heritage and Culture	2	0	0	0	2	NIL
8	HSS	18UC0008	Indian Constitution	2	0	0	0	2	NIL
9	HSS	18UC0009	Ecology & Environment	2	0	0	0	2	NIL
10	HSS	18UC0010	Universal Human Values & Professional Ethics	2	0	0	0	2	NIL
11	HSS	18UC0011	Entrepreneurship	2	0	0	0	0	NIL
12	BSC	18SC1103	Single Variable Calculus and Matrix Algebra	3	0	0	0	3	NIL
13	BSC	18MT1201	Multivariate Calculus	3	0	2	0	4	NIL
14	BSC	18SC1105	Logic and Reasoning	0	0	2	0	1	NIL
15	BSC	18SC1104	Foundations of Computational Mathematics	0	0	2	0	1	NIL
16	BSC	18BT1001	Biology for Engineers	2	0	0	0	2	NIL
17	BSC	18PH1004	Solid State Physics	2	0	2	0	3	NIL
18	BSC	18CY1001	Engineering Chemistry	3	0	2	0	4	NIL
19	ESC	18SC1101	Problem Solving and Computer Programming	3	0	2	0	4	NIL
20	ESC	18SC1202	Data Structures	3	0	2	0	4	NIL
21	ESC	18EC1002	Engineering Graphics & Design for Electronic and	0	0	4	0	2	NIL
22	ESC	18EE1003	Workshop Practice for Electrical & Electronics Engineers	0	0	4	0	2	NIL
23	ESC	18SC2004	Object Oriented Programming	2	0	2	0	3	NIL
24	ESC	18EE1201	Network Theory	3	0	2	0	4	NIL
25	ESC	18EE3201	Electrical Engineering Measurements	2	0	2	0	3	NIL
26	ESC	18EE1202	Electromagnetic Fields	3	1	0	0	4	NIL
27	ESC	18MT1004	Probability & Numerical Methods	2	1	0	0	3	NIL
28	PCC	18EC1101	Digital System Design	3	0	2	0	4	Nil
29	PCC	18EC2103	Analog Electronic Circuit Design	3	0	2	0	4	Nil
30	PCC	18EE2101	Electrical Circuits	3	1	0	0	4	18EE1201
31	PCC	18EE2102	DC Machines and Transformers	3	0	2	0	4	NIL
32	PCC	18EE2103	Electrical Power Generation, Transmission & Distribution	3	1	0	0	4	NIL
33	PCC	18EE2201	AC Rotating Machines	3	0	2	0	4	18EE2102
34	PCC	18EE2202	Control Systems	3	0	2	0	4	NIL
35	PCC	18EE2203	Power System Analysis & Stability	3	1	0	0	4	18EE2103
36	PCC	18EE3101	Power Electronics	3	0	2	0	4	18EE2101
37	PCC	18EE3102	Power System Protection & Control	3	0	2	0	4	18EE2203
38	PCC	18EC2205	EMBEDDED CONTROLLERS	2	0	3	2	4	NIL
39	PCC	18EM3201	SIGNAL PROCESSING	2	1	2	0	4	Nil

40		18GN1101	Counseling -1	0	0	1	0	0	NIL
41		18GN1202	Counseling -2	0	0	1	0	0	NIL
42		18GN2103	Counseling -3	0	0	1	0	0	NIL
43		18GN1107	Cocurricular Activity -1	0	0	0	2	0.5	NIL
44		18GN1107	Cocurricular Activity-I	0	0	0	2	0.5	NIL
45		18GN2109	Cocurricular Activity -3	0	0	0	2	0	NIL
46	SDP	18SC1106	Technical Skill - 1	0	0	0	6	1.5	NIL
47	SDP	18SC1207	Technical Skill - 2	0	0	0	6	1.5	NIL
48	SDP	18TS601	Technical Skill - 3 (Matlab)	0	0	0	8	2	NIL
49	SDP	18TS602	Technical Skill - 4 (Matlab)	0	0	0	8	2	NIL
50	SDP	18TS605	Technical Proficiency & Training-1	0	0	0	4	1	NIL
51	SDP	18TS606	Technical Proficiency & Training-2	0	0	0	4	1	NIL
52	PRI	18IE2246	Industrial Training	0	0	0	0	2	NIL
53	PRI	18IE3247	Term Paper	0	0	4	0	2	NIL
54	PRI	18IE4048/ 18IE4050	Project (Part - 1)/Practice School	0	0	0	24	6	NIL
55	PRI	18IE4049/18IE4051	Practice School / Project (Part - 2)/Internship	0	0	0	24	6	NIL
56	OE	OE-1	OPEN ELECTIVE-1	3	0	0	0	3	NIL
57	OE	OE-2	OPEN ELECTIVE-2	3	0	0	0	3	NIL
58	OE	ME	MANAGEMENT ELECTIVE	3	0	0	0	3	NIL
59	OE	FL	FOREIGN LANGAUGE ELECTIVE	2	0	0	0	2	NIL
60	PEC	PE-1	PROFESSIONAL ELECTIVE-1	3	0	0	0	3	
61	PEC	PE-2	PROFESSIONAL ELECTIVE-2	3	0	0	0	3	
62	PEC	PE-3	PROFESSIONAL ELECTIVE-3	3	0	0	0	3	
63	PEC	PE-4	PROFESSIONAL ELECTIVE-4	3	0	0	0	3	
64	PEC	PE-5	PROFESSIONAL ELECTIVE-5	3	0	0	0	3	
								Total Credits	<b>167</b>