



KLEF

KONERU LAKSHMAIAH EDUCATION FOUNDATION
(Deemed to be university estd. u/s, 3 of the UGC Act, 1956)
(NAAC Accredited "A" Grade University)

Courses offered by DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING for Odd Semester AY. 2020-21

SEMESTER - 1								
SI No	Course Code	Course Title		Uni/Sch/Dept	Pre-Req.	Emp.ID	Name of the Course Coordinator	Dept
1	19EC1101	Digital Logic & Processors		SCH CORE	NIL	5907	Dr. S. Karthick	BES-II
SEMESTER - 3								
SI No	Course Code	Course Title		Uni/Sch/Dept	Pre-Req.	Emp.ID	Name of the Course Coordinator	Dept
1	19EC2103	Analog Electronic Circuit Design		DEPT CORE	NIL	2389	Mr.Namgiri Suresh	ECE
2	19EC2104	Communication Signals & System Design		DEPT CORE	NIL	3413	Dr. Md.Z Rehman	ECE
3	19EC2105	Analog and Digital Communication		DEPT CORE	NIL	1712	Dr.K.S.Ramesh	ECE
4	19EC2106	Embedded Controllers		DEPT CORE	NIL	4966	Dr.N.Prabakaran	ECE
5	19EC2111	Electronic Workshop-II (Electronic System Design Workshop)		SCH ELE	NIL	5381	Dr.C.Joshitha	ECE
6	19EC2112	IT Workshop (HTML,XML,Web design)		SCH ELE	NIL	4374	Mrs.K.Srinidhi	CSE
7	19UC2103	Professional Communication Skills		UNI CORE	NIL			
8	19TS4001	Skilling for Engineers-1		SCH ELE	NIL	5368	Mr.P.Syam Sundar	ECE
Total								
SEMESTER - 5						Emp.ID	Name of the Course Coordinator	Dept
1	18SC2004	Object Oriented Programming		SCH ELEC	NIL	3380	Dr.M.Jaya Bhaskar	CSE
2		Science Elective-1 (Physics Elective)		SCH CORE				

3		Flexi Core-1		FLEXI CORE				
4		Flexi Core-2		FLEXI CORE				
5		Professional Elective-2		DEPT ELEC				
6		Professional Elective-3		DEPT ELEC				
7	18UC3105	Aptitude Builder-II		UNI CORE	NIL			
8		Open Elective-1 (Only for Advanced Learners)		OPEN ELE				
9	18TS403	Skilling for Engineers-3 (IT coding/Technical Skilling)		SCH ELEC	NIL	5477	Mr.S.Vamsee Krishna	ECE
10	18TP3101	Technical Proficiency and Training-1		SCH ELEC	NIL	5675	Dr.K.Praghash	ECE
11	18IE2246	Industrial Training		SCH CORE	NIL			
Total								
Science Elective for Third Year						Emp.ID	Name of the Course Coordinator	Dept
1	18CY1001	Engineering Chemistry		UNI ELE		472	Dr. K. R. S. Prasad	Chemistry
2	18CY1003	Chemistry and Bioinformatics for Engineers		UNI ELE		5321	Dr. K. Deepti	Chemistry
3	18CY1004	Organic Electronics		UNI ELE		5745	Dr. Monima Sarma	Chemistry
Flexi Core or Optional Core for Third Year								
1	18EC2208FC	VLSI design		DEPT ELE		2455	Dr.M.Siva Kumar	ECE
2	18EC4111	Wireless Communications		DEPT ELE		5041	Dr.Vipul Agarwal	ECE
3	18EC3016	RF System Design		DEPT ELE		5158	Ms.A.Sree Madhuri	ECE
4	18EC3017	Biomedical Electronics & IOT for Healthcare		DEPT ELE		2462	Dr.P.Satyanarayana	ECE
5	18EC3018	Electronics Instruments & Automation		DEPT ELE		3621	Dr.P.Pardhasaradhi	ECE
6	18EC3019	System Engineering, Operation Research & Designing		DEPT ELE		5368	Dr.Madhukar Deshmukh	ECE

7	18EC3020	Electrical Technologies & Solar Power Systems		DEPT ELE		6224	Dr. Atul Kumar	ECE
8	18EC3021	Advance Course in Soft-Computing (AI, ANN, Fuzzy Logic & Genetic Algorithms)		DEPT ELE		5191	Dr.G.Naveen Kishore	ECE
Professional Electives for Third Year						Emp.ID	Name of the Course Coordinator	Dept
Professional Elective-2								
1	18EC3051	Wireless sensor Networks & IOT Applications	ESS1	DEPT ELE	NIL	4719	Dr.Y.Usha Devi	ECE
2	18EC3061	Low Power VLSI	ESS2	DEPT ELE	NIL	4695	Dr.R.S.Ernest Ravindran	ECE
3	18EC3072	Autonomous Vehicles & Automotive Electronics	ESS3/ ESS9	DEPT ELE	NIL	4291	Dr.S.Sunithamani	ECE
4	18EC3092	4G Wireless Technologies & Cellular Communications	ESS5	DEPT ELE	NIL	4975	Dr.G.Siva Vara Prasad	ECE
5	18EC4052	VoIP Systems & Broad Band Networks	ESS6	DEPT ELE	NIL	2224	Mr.G.Venkata Ganesh	ECE
6	18EC4072	Data Sciences & Big-Data	ESS8	DEPT ELE	NIL	4958	Dr.M.Kasi Prasad	ECE
Professional Elective-3								
1	18EC3052	Solar Photo-Voltaic cells & Solar Power Arrays	ESS1	DEPT ELE	NIL	5616	Dr.S.Arunmetha	ECE
2	18EC3062	Algorithms for VLSI Design Automation	ESS2	DEPT ELE	NIL	3956	Mr.T.Sanath Kumar	ECE
3	18EC3073	Advanced Robotics	ESS3	DEPT ELE	NIL	5406	Dr.S.Rooban	ECE
4	18EC3091	Information Theory & Coding	ESS5	DEPT ELE	NIL	2391	Ms.S.Vara Kumari	ECE
5	18EC4051	TCP/IP & Other Protocol Suite	ESS6	DEPT ELE	NIL	1286	Dr.S.Nagendram	ECE
6	18EC4071	Machine Learning	ESS8	DEPT ELE	NIL	4387	Dr.B.Polaiah	ECE
7	18EC4081	Automated Vehicles & Avionics	ESS9	DEPT ELE	NIL	2783	Mr.M.Venkata Suman	ECE
S E M E S T E R - 7 (Regular)						Emp.ID	Name of the Course Coordinator	Dept
1	17CS2103	Discrete Mathematics		SCH ELEC	NIL	4925	Dr.Pushpalatha Kolluru	Maths

2	17IE 4048	PROJECT (Part-1)		UNI ELEC	NIL	5677	Dr.Biswajit Jena	ECE
3	17TS405	Technical Skilling-5 (VLSI-Pspice or Cadence, ES-CC Studio, SP-VC++, CS-HFSS-CST, ML&AI-Spider)		SCH ELEC	NIL	4738	Mr.R.Selvakumar	ECE
4	17GNXXXX	Foreign/Non-Native Language	Coursera	UNI CORE	NIL			
5		Manegement Elective	Coursera	UNI CORE	NIL			
6	17BT1001	Biology for Engineers		UNI CORE	NIL	4226	Mrs. Ekkleshia Sesham	o-Technolo
7	17AC1008	Universal Human Values & Professional Ethics (online)	Audit	UNI CORE	NIL			
Total								
S E M E S T E R - 8 (Practice School/NCRT)						Emp.ID	Name of the Course Coordinator	Dept
1		Open Elective-1		UNI ELEC	NIL			
2		Open Elective-2		UNI ELEC	NIL			
3	17IE4050/ 17IE4049/17IE 4051	PRACTICE SCHOOL/PROJECT (Part-2)/INTERNSHIP		UNI ELEC	NIL	1181	Dr.M.Ravi Kumar	ECE
4	17UC0009	Ecology & Environment		SCH ELEC	NIL			
5	17UC0008	Indian Constitution (Audit Course)		SCH ELEC				
6	17UC0007	Indian Heritage and Culture (online 2 hrs)		SCH ELEC	NIL			

KLEF					
Semester-I					
S. No.	Course Code	Course Title	Periods		
			L	T	
1	20 EC 5101	Modern Digital communication	3	1	
2	20 EC 5102	Antennas for RADAR Communication	3	1	
3	20 EC 5103	EMI / EMC Techniques	3	0	
4	20 EC 5104	RADAR's in Automation	3	1	

Elective-1					
5	20 EC 51A1	Fundamentals of Electronic Warfare	3	0	
Elective-2					
6	20 EC 51B2	GPS & Global Navigation Satellite System	3	0	
7	20 IE 5149	Seminar	0	0	
8	20 TS 5101	Skilling	0	0	
Total			18	3	

KLEF					
Semester-I					
S. No.	Course Code	Course Title	Periods		
			L	T	
1	20 EC 5128	MOS Circuit Design	3	1	
2	20 EC 5129	Analog IC Design	2	2	
3	20 EC 5130	ASIC & FPGA Design	3	1	
4	20 EC 5131	IC Fabrication Technology	3	0	
Elective-1					
5	20 EC 51Q2	VLSI Signal Processing	3	0	
Elective-2					
6	20 EC 51R3	Semiconductor Device Modeling	3	0	
7	20 IE 5149	Seminar	0	0	
8	20 TS 5101	Technical Skilling-I (HDL)	0	0	
Total			17	4	

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