COs & POs 2020-21

ODD SEMESTER



SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY SIRA ROAD, TUMKUR- 572 106.

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGG

CUDIFFOR			
SORPECT	BASIC ELECTRICAL ENGINEERING	SUBJECT CODE	21ELE23
			ZIELE23

COURSE OUTCOME

CO1	Analysis of Resistive Circuits and Solution of resistive circuits with independent sources Two Terminal Element Relationships for industry
CO2	circuits.
CO3	Discuss the laws of illumination, different types of lamps, lighting schemes and design of lighting systems.
CO4	Analysis of Single Phase AC Circuits, the representation of alternating quantities and
CO5	Analysis of Single Phase AC Circuits, the representation of alternating quantities and determining the power in these circuits.

PROGRAM OUTCOMES

- PO1 Engineering knowledge: An ability to apply knowledge of mathematics (including probability, statistics and discrete mathematics), science, and engineering for solving Engineering problems
- PO2 Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- PO3 Design / development of solutions: An ability to design solution for engineering problems and design system components or process to meet desired specifications and needs.
- PO4 Conduct investigations of complex Problem: An ability to identify, formulate, comprehend, analyze, design synthesis of the information to solve complex engineering problems and provide
- PO5 Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling to complex engineering activities.
- PO6 The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues.
- PO7 Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- PO8 Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms
- PO9 Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- PO10 Communication: Communicate effectively on complex engineering activities with the engineering community and with the society.
- PO11 Project management and finance: An ability to use the modern engineering tools, techniques, skills and management principles to do work as a member and leader in a team, to manage projects in multidisciplinary environments.
- PO12 Life-long learning: A recognition of the need for, and an ability to engage in, to resolve contemporary issues and acquire lifelong learning.

G. H R mz Head of the Department Electrical & Electronics Engineering Shridevi Institute of Engineering & Technology TUMKUR-572106

PRINCIPAL

SIET, TUMAKURU

COLLEGE		SHR	IDEVI	INSTI	TUTE	OF EN	NGINI	EERIN	G & TI	ECHNO	LOGY	
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CO2	38.35	1.15	0.84				(-						
CO3	41.16	1.23	0.90										
CO4	46.84	1.40	1.03										
CO5	46.52	1.39	1.02			-	(
AVERAGE	47.08	1.40	1.03			1	N						
						200		FINA	AL AT	TAINN	IENT L	EVEL	1.21

Head of the Department
Electrical & Electronics Engineering
Shridevi Institute of Engineering & Technology
TUMKUR-572106.

PRINCIPAL SIET, TUMAKURU

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15V21C5005	5	4	9	- 6	6	12	2	1	4		1	-		1	1.6	1.6	1.6	- 1.6	1.6	14	10.8	5.6	9.6	0.01	48.27586	24.54545	19.31034	33 1034	
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V71C5022	4	4		6	6	12	8.	- 6	17	,	1 7	1	2	1	-	-				21	24.8	17	18	38.	72.41379	56.36364	58 62069	67-0689	17. 1
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V21C5025	10	4	19	10	10	20	10	10	20	-	1	-		- 2	- 36	3.2	5.2	5.2	162	18	16.8	14.2	12.2	9.2	62.06897	38.18182	48.96552	47 (16/897	
23C5026		4	9	4	4	8	-	7	14		-		-	1	6.1	6.4	6.4	6.4	5.4	73	24.8	18.4	18.4	18.4	79.31034	56.36364	63.44828	63.44828	-
23C5027	- 1	- 1	10	4	4		-	-		-	-	2	1	2	0.7	0.2	0.2	0.7	0.7	1.8	13.8	6.2	9.2	9.2	62.06897	31.36364	21.17911	33 72434	
2105028	- 6	3	18	0		18		7	16		1	2	2	2	4.5	4.6	4.6	4.5	4.6	18	34.8	10.6	14.6	14.6	62.06897	11.63636	36.55172	10 14483	
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23C5039	0	9	19		9	17	10	10	20	- 1	-1-		-	- 2	22	2.2	2.2	2.2	2.2	14	9.8	6.2	7.2	7.2	48.27586	20	21.17931	24.82259	1 2
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7105048	1		- 6	5	5	10	- 5	A	9	2	2	1	3	2	9.6	5.6		3.6	1.6	7.1	21.8	11.6	15.6	15.6	72.41379	49.54545	46,89655	53.7931	
21C5049	5	6	11	. 5	6	13	10	. 10	20	2	2	2		1	4.2		6.6	6.6	6.6	16	13.8	13.6	13.6	12.6	55.17241	31.36364	46 89655	86.89655	1 4
21C5050	A	. 4		6	6	12	6	6	12	1	7	3	1	-	-	4.2	4.2	4.2	4.7	16	16.8	12.2	16.2	16.2	62.06897	38.18182	42.06897	55.86207	13
21C5052	7	2	14	7	6	3.9	1		15	1	- 1		- 1	1	5.0	5.4	5.4	5.6	5.4	17	15.8	13.4	13.4	13.4		35.90909	46.2069	46.2069	T
1C5053	1	1	4	3	1	6	,	6	13	-	-	- 4	- 1	1	1.7	2.2	2.2	2.2	2.7	20	19.8	10.2	11.2		58.96552	_	35.17241	18 52069	
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Head of the Department
Electrical & Electronics Engineering
Shridevi Institute of Engineering & Technology
TUMKUR-572106.

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PRINCIPAL SIET. TUMMOURU

DEPARTMENT OF EEE

100

SUBJECT Basic Electrical Engineering

SUBJECT CODE

21ELE13/23

COURSE OUTCOME

CO1	Understand the dc circuits and electrical laws.
CO2	Apply the basic electrical laws to solve ac and dc circuits
CO3	Discuss the construction and operation of various electrical machines
CO4	Identify suitable electrical machines for practical implementations
CO5	Explain the concept of electrical transmission and distribution ,electricity billing, circuit protective devices and personal safety measures.

PROGRAM OUTCOME

- PO1 Engineering knowledge: An ability to apply knowledge of mathematics (including probability, statistics and discrete mathematics), science, and engineering for solving Engineering problems and Knowledge.
- PO2 Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- PO3 Design / development of solutions: An ability to design solution for engineering problems and design system components or process to meet desired specifications and needs.
- PO4 Conduct investigations of complex Problem: An ability to identify, formulate, comprehend, analyze, design synthesis of the information to solve complex engineering problems and provide valid conclusions.
- PO5 Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling to complex engineering activities.
- **PO6** The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues.
- PO7 Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- PO8 Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- PO9 Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- PO10 Communication: Communicate effectively on complex engineering activities with the engineering community and with the society.
- PO11 Project management and finance: An ability to use the modern engineering tools, techniques, skills and management principles to do work as a member and leader in a team, to manage projects in multidisciplinary environments.
- PO12 Life-long learning: A recognition of the need for, and an ability to engage in, to resolve contemporary issues and acquire lifelong learning.

Head of the Department
Electrical & Electronics Engineering
Shridevi Institute of Engineering & Technology
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PRINCIPAL SIET., TUMAKUR

COLLEGE		SHRII	DEVI I	NSTIT	TUTE	OF EN	GINI	EERING	2 & TE	CHNO	LOGY	
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SUBJECT		Basic	e Electr	ical En	gineer	ing		SUBJE	ст сс	DDE	21ELE1	3/23
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CO2	3	3	2	1	·	1	0	.0				1
CO3	3	. 2	1	1		1	1	1				1
CO4	3	2	2	1		1	1	1.				1
CO5	3	1	2	The same		2	1	1			1	1
AVERAGE	3	2	1.6	1	1	1.2	0.8	0.8			1	1
						ov	ERAI	L MAP	PING	OF SU	BJECT	1.3

CO ANI	co%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	62.89	2.00	1.33	0.66			0.66	0.66	0.66				0.66
CO2	65.97	2.19	2.19	1.46	0.73	10000	0.73			100			0.73
CO2	53.52	1.87	1.25	0.62	0.62		0.62	0.62	0.62				0.62
CO4	62.01	1.77	1.18	1.18	0.59	100	0.59	0.59	0.59				0.59
CO5	55.34	1.89	0.63	1.26			1.26	0.63	0.63			0.63	0.63
	(106	1.044	1000	1.03	0.64		0.77	0.625	0.625			0.63	0.646
AVERAGE	64.96	×10.00 (1.7)	13400	10.64	1 2638		811530	FIN	IAL AT	TAIN	MENT	LEVEL	0.92

G. A R

Head of the Department

Electrical & Electronics Engineering

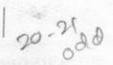
Shridevi listrate of Engineering & Technology

TUMKUR-572106

PRINCIPAL SIET., TUMAKURU.

adomia von	-	021.22	1.	Ives		-				-	*						2500		.,												
ademic yea	_	021-22 A TEST	(2010)	SEM			10.0	otal stre					ubject	В	asic ele	etrica	engg		S	ubject C	ode	211	ELE13	1	T	1	1	1	1	1	1
SEM:I USN	_	TEST	-	-	A TEST 2			TEST 3	7			MENT	/QUIZ	(20 M)				RKS(60			-	-	National Property and Property	TAINM	ENT	1	94.	of indivi	dual co	-	-
V21CS001	14		_	-	-		CO4	CO5		COI	CO2	CO	CO4	CO	5 :01=	1 CO	CO.	3 CO4	CO5	TOTA	MCO1=3	CO2=	44003=	3-C04=	34CO5=3	CO1	CO	-	-	Lone	1
V21C5001	4		25	14	200	26	14	13	27	4	4	4	4	4	7.2	7.2	7.2	7.2	7.2	36				_		0.74	_	-	_	THE OWNER OF TAXABLE PARTY.	J
V21CS002	16		30	16		30	16	14	30	4	4	4	4	4	9.8	- 9.8	9.8	9.8	9.8	49	29.8	100000000000000000000000000000000000000	14575.20	17.60		0.88	1.00			0.71	
V21CS003	2	1	3	2	2	4	2	3	5	4	4	4	4	4	4.6	4.6	4.6	4.6	4.6	23	10.6	11.6	10077077			0.31				0.82	
	15		23	15	7	22	15	9	24	4	4	4	4	4	7.4	7.4	7.4	7.4	7.4	37	26.4	34.4	100000			0.78	0.26		3,410	0.34	
/21CS005 /21CS006	3	9	12	3	8	11	3	. 10	13	4	4	4	4	4	4.8	4.8	4.8	4.8	4.8	24	11.8	20.8	3322			0.35	0.78			0.60	
The second second	12		24	12	11	23	12	13	25	4	4	4	4	4	8.8	8.8	8.8	8.8	8.8	44	24.8	36.8	1000000			0.73			3355	0.55	
/21CS008	16		27	16	10	26	16	12	28	4	4	4	4	4	8.2	8.2	8.2	8.2	8.2	41	28.2	39.2	72500			0.83	0.84		0.24535	0.76	
/21CS009	13		26	13	12	25	13	14	27	4	4	4	4	4	8.6	8.6	8.6	8.6	8.6	43	25.6	38.6	100000	8 4 10 5 60		0.75	0.89			0.71	
21CS010	16		23	16	6	.22	16	8	24	4	4	4	4	4	7	7	7	. 7	7	35	27	34	17	27	19	0.79	0.88		1000000	0.78	
21CS011	12		15	12	2	14	12	4	16	4	4	4	4	4	7	7	7	7	7	35	23	26	13	23	15	0.68	0.27			0.56	
21CS012	17	9	26	17	8	25	17	10	27	4	4	4	4	4	8.8	8.8	8.8	8.8	8.8	44	29.8	38.8			22.8	0.88	0.59			0.44	
21CS013	16		23	16	6	22	16	8	24	4	4	4	4	4	9	9	9	9	9	45	29	36	19	29	21	0.85	0.88		0.88	0.67	
21CS014	19	5	24	19	4	23	19	6	25	4	4	4	4	4	7.6	7.6	7.6	7.6	7.6	38	30.6	35.6			17.6		0.82			0.62	
21CS015	12	16	. 28	12	15	27	12	17	29	4	4	. 4	4	4	9.6	9.6	9.6	9.6	9.6	48	25.6	41.6				0.90	0.81		3.233.53	0.52	
21CS016	16	13	29	16	13	29	16	13	29	4	4	4	4	4	9.2	9.2	9.2	9.2	9.2	46	29.2	42.2	26.2		30.6	0.75	0.95	0.84	0.75	0.90	+
21CS017	11	11	22	11	12	23	11	10	21	4	4	4	4	4	9.2	9.2	9.2	9.2	9.2	46	24.2	35.2	25.2			0.86	0.96	0.77	0.86	0.77	
21CS018	15	15	30	15	15	30	15	15	30	4	4	4	4	4	9.4	9.4	9.4	9.4	9.4	47	28.4	43.4	28.4			0.71	0.80	10000	0.71	0.68	
21C5019	12	10	22	12	10	22	12	10	22	4	4	4	4	4	6.8	6.8	6.8	6.8	6.8	34	22.8	32.8	20.8		28.4	0.84	0.99	0.84	0.84	0.84	
21CS020	17	9	26	17	8	25	17	10	27	4	4	4	4	4	9	9	9	9	9	45	30	39			20.8	0.67	0.75	Hillion	0.67	0.61	
21CS021	19	0	19	19	0	19	19	0	19	4	4	4	4	4	5	5	5	5	5	25	28	28	21	30	23	0.88	0.89	0.62	0.88	0.68	
1CS022 .	13	15	28	13	15	28	13	15	28	4	4	4	4	4	9.4	9.4	9.4	9.4	.9.4	47	26.4	41.4	10/200	28	9	0.82	0.64	0.26	0.82	0.26	
1CS023	11	8	19	11	8	19	11	8	19	4	4	4	4	4	8.2	8.2	8.2	8.2	8.2	41	23.2		28.4	26.4	28.4	0.78	0.94	0.84	0.78	0.84	
1CS024	16	8	24	16	8	24	16	8	24	4	4	4	4	4	9.2	9.2	9.2	9.2	9.2	46	29.2	31.2	20.2	23.2	20.2	0.68	0.71	0.59	0.68	0.59	
1CS025	13	10	23	13	10	23	13	10	23	4	. 4	4	4	4	9.2	9.2	9.2	9.2	9.2	46	26.2	37.2	21.2	29.2	21.2	0.86	0.85	0.62	0.86	0.62	
1CS026	11	13	24	11	13	24	11	13	24	4	4	4	4	4	8.8	8.8	8.8	8.8	8.8	44	23.8	36.2 36.8	23.2	26.2	23.2	0.77	0.82	0.68	0.77	0.68	
CS027	14	12	26	14	12	26	14	12	26	4	4	4	4	4	7.8	7.8	7.8	7.8	7.8	39	25.8	37.8	25.8	23.8	25.8	0.70	0.84	0.76	0.70	0.76	
LCS028	17	2	19	17	2	19	17	2	19	4	4	4	4	4	4.8	4.8	4.8	4.8	4.8	24	25.8	27.8	23.8	25.8	23.8	0.76	0.86	0.70	0.76	0.70	
1CS029	11	6	17	11	6	17	11	6	17	- 4	4	4	4	4	7	7	7	7	7	35	22	28	10.8	25.8	10.8	0.76	0.63	0.32	0.76	0.32	
CS030	15	12	27	15	12	27	15	12	27	4	4	4	4	4	6.4	6	6	6	6	32	25.4	37	17	22	17	0.65	0.64	0.50	0.65	0.50	
CS031	2	1	3	- 2	3	5	2	2	4	4	4	4	4	4	6.8	6.8	6.8	6.8	6.8	34	12.8	13.8	22	25	22	0.75	0.84	0.65	0.74	0.65	
CS032	11	2	13	11	2	13	11	2	13	4	4	4	4	4	5.2	5.2	5.2	5.2	5.2	26	20.2		13.8	12.8	12.8	0.38	0.31	0.41	0.38	0.38	
CS033	12	14	26	12	13	25	12	15	27	4	4	4	4	4	7.6	7.6	7.6	7.6	7.6	38	23.6	22.2	11.2	20.2	11.2	0.59	0.50	0.33	0.59	0.33	
CS034	15	3	18	15	2	17	15	4	19	4	4	4	4	4	5.8	5.8	5.8	5.8	5.8	29		37.6	24.6	23.6	26.6	0.69	0.85	0.72	0.69	0.78	
CS035	13	16	29	13	16	29	13	16	29	4	4	4	4	4	9.6	9.6	9.6	9.6	9.6	48	24.8	27.8	11.8	24.8	13.8	0.73	0.63	0.35	0.73	0.41	
CS036	12	13	25	12	13	25	12	13	25	4	4	4	4	4	9.2	9.2	9.2	9.2	9.2	46		42.6	29.6	26.6	29.6	0.78	0.97	0.87	0.78	0.87	
LCS037	14	7	21	14	7	21	14	7	21	4	4	4	4	4	8.2	8.2	8.2	8.2	8.2		25.2	38.2	26.2	25.2	26.2	0.74	0.87	0.77	0.74	0.77	
CS038	16	10	26	16	10	26	16	10	26	4	4	4	4	4	9.8	9.8	9.8	9.8		41	26.2	33.2	19.2	26.2	19.2	0.77	0.75	0.56	0.77	0.56	
CS039	11	1	12	11	1	12	11	1	12	4	4	4	4	4	5.2	5.2	5.2		9.8	49	29.8	39.8	23.8	29.8	23.8	0.88	0.90	0.70	0.88	0.70	
CS040	14	10	24	14	10	- 24	14	10	24	4	4	4	4	4	9.2	9.2	9.2	5.2	5.2	26	20.2	21.2	10.2	20.2	10.2	0.59	0.48	0.30	0.59	0.30	
CS041	18	5	23	18	5	23	18	5	23	4	4	4	4	4	8.8			9.2	9.2	46	27.2	37.2	23.2		- 23.2	0.80	0.85	0.68	0.80	0.68	
5042	17	13	30	17	13	30	17	13	30	4	4	4	4		9.8	8.8	8.8	8.8	8.8	44	30.8	35.8	17.8	30.8	17.8	0.91	0.81	0.52	0.91	0.52	
CS043	13	6	19	13	6	19	13 .	6	19	4	4	4	4	4	6.4	9.8	9.8	9.8	9.8	49	30.8	43.8	26.8	30.8	26.8	0.91	1:00	0.79	0.91	0.79	
5044	11	10	21	11	- 10	21	11	10	21	4	4	4	4	. 4	200	6.4	6.4,	6.4	6.4	32	BESKE !	29.4		23.4	16.4	0.69	0.67	0.48	0.69	0.48	
S045	13	15	28	13	15	28	13	15	28	4	4	4	4		7.8 9.2	7.8	7.8	7.8	7.8	39	22.8	32.8	21.8 -		21.8	0.67	0.75	0.64	0.67	0.64	
5046	12	2	14	12	2	14	12	2	14	4	4	4	4			9.2	9.2	9.2	9.2	46	26.2	41.2	28.2	26.2	28.2	0.77	0.94	0.83	0.77	0.83	
S047	4	1	5	4	2	6	4	3	7	4	4	4	4	4	8.4	8.4	8.4	8.4	8.4	42	24.4	26.4	14.4	24.4	14.4	0.72	0.60	0.42	0.72	0.42	
5048	14	10	24	14	10	24	14	10	24	4	4	4	4	4		0	0	0	0	0	8	9	6	8	7	0.24	0.20	0.18	0.24	0.21	
5049	11	15	26	11	16	27	11	14	25	4	4	4	4		7.2	7.2	7.2	7.2	7.2	36	Capital Inch	35.2	21.2	25.2		0.74	0.80	0.62	0.74	0.62	
5050	17	9	26	17	9	26	17	9	26	4	4	4	4	4	9.4	9.4	9.4	9.4	9.4	47		39.4	29.4	24.4		0.72	0.90	0.86	0.72	0.81	
5051	4	2	6	4	1	5	4	3	7	4	4	4	4	4	100	9	9	9	9	45	30	39	22	30	22	0.88	0.89	0.65	0.88	0.65	
5052	19	5	24	19	5	24	19	5	24	4	4	4	4	4	4.2	4.2	4.2	4.2	4.2	21	ANDROVED O	14.2	9.2	12.2	11.2	0.36	0.32		0.36	0.33	
5053	11	1	12	11	2	13	11	0	11	4 .	4	4	4	4	8.8	8.8	8.8	8.8	8.8			36.8		31.8	17.8	0.94	0.84		0.94	0.52	
5054	18	3	21	18	3	21	18	3	21	4	4	4	32h	,	1	5.2	5.2	5.2	5.2					20.2	9.2	0.59	0.48		0.59	0.27	
\$055	13	15	28	13	15	28	13	15	28	4	4	10	4	4	40.00	7.6	7.6	7.6	7.6		Electrical and an artist of the second				14.6	0.87	0.74		0.87	0.43	
S056	12	7	19	12	7	19	12	7		4	4	4	4	4		5.6	5.6	5.6	5.6		22.6	37.6	24.6	22.6					0.66	0.72	
5057	17	5	22	17	5	22	17		19	4	4	4	4	4	12020	9.2	9.2	9.2	9.2	46					1000				0.74	0.59	
5058	11	14	25	11	14	25		5	22	4	4	4	4	4		5.4	5.4	5.4	5.4			31.4	14.4	26.4	2000			2 12	0.78	0.42	
	-	1.5	-		4.4	23	11	14	25	4	4	4	4	4	7.2	7.2	7.2	7.2	7.2	36	22.2				200000			0.74		0.74	

		7 .			10,10				7.50	100								٠, ٠	19									* * *				-
		•					1 1	1 20		1 7						1	100		100	10												٠,
15V	21CS059	15	11	26	15	11	26	15	11	26	4	. 4	4	4	4	9.2	9.2	9.2	9.2	9.2	46	28.2	39.2	24.2	28.2	24.2	0.83	0.89	0.71	0.83	0,71	
15V	21CS060	16	11	27	16	11	. 27	16	11	27	4	4	4	. 4	4	9.4	9.4	9.4	9.4	9.4	47	29.4	40.4	24.4	29.4 -	. 24.4	0.86	0.92	0.72	0.86	0.72	
15V	21CS061	15	6	21	15	7	22	15	5	20	4	4	- 4	4	4	7.8	7.8	7.8	7.8	7.8	39	26.8	32.8	18.8	26.8	16.8	0.79	0.75	0.55	0.79	0.49	
1SV	21CS062	11	10	21	11	9	20	11	11	22	4	4	4	4	4	6.6	6.6	6.6	6.6	6.6	33	21.6	31.6	19.6	21.6	21.6	0.64	0.72	0.58	0.64	0.64	
15V	21CS063	13	14	27	13	14 -	27	13	14	27	4	4	4	4	4 .	8.2	8.2	8.2	8.2	8.2	41	25.2	39.2	26.2	25.2	26.2	0.74	0.89	0.77	0.74	0.77	
1SV	/21CS064	2	3	5	2	2	4	2	4	6	4	4	4	4	4	3.8	3.8	3.8	3.8	3.8	19	9.8	12.8	9.8	9.8	11.8	0.29	0.29	0.29	0.29	0.35	
1SV	/21CS065	2	2	4	2	4	6	2	3	5	4	4	4	4	4	1.2	1.2	1.2	1.2	1.2	6	7.2	9.2	9.2	7.2	8.2	0.21	0.21	0.27	0.21	0.24	
1SV	21CS066	1	7	8	1	6	7	. 1	8	9	4	4	4	4	4	6.8	6.8	6.8	6.8	6.8	34	11.8	18.8	16.8	11.8	18.8	. 0.35	0.43	0.49	0.35	0.55	
1SV	/21CS067	13	2	15	13	2	15	13	2	15	4	4	4	4	4	6.2	6.2	6.2	6.2	6.2	31	23.2	25.2	12.2	23.2	12.2	0.68	0.57	0.36	0.68	0.36	
1SV	/21CS068	12	16	28	12	15	27	12	17	29	4	4	4	4	4	6	6	6	6	6	30	22	38	25	22	27	0.65	0.86	0.74	0.65	0.79	
1SV	/21CS069	4	6	10	4	5	9	4	7	11	4	4	4	4	4	1.4	1.4	1.4	1.4	1.4	7	9.4	15.4	10.4	9.4	12.4	0.28	0.35	0.31	0.28	0.36	
. 15V	/21CS070	13	13	26	13	12.	25	13	14	27	4	4	4	4	4 .	6.4	6.4	.6.4	6.4	6.4	32	23.4	36.4	22.4	23,4	24.4	0.69	0.83	0.66	0.69	0.72	
1SV	/21CS071	13	16	29	13	16	29	13	16	29	4	4	4	4	4	7.8	7.8	7.8	7.8	7.8	39	24.8	40.8	27.8	24.8	27.8	0.73	0.93	0.82	0.73	0.82	
1SV	/21CS072	11	16	27	11	16	27	11	16	27	4	4	4	4	4	5.4	5.4	5.4	5.4	5.4	27	20.4	36.4	25.4	20.4	25.4	0.60	0.83	0.75	0.60	0.75	
15V	/21CS073	13	14	27	13	14	27	13	14	27	4	4	4	4	4	5.6	5.6	5.6	5.6	5.6	28	22.6	36.6	23.6	22.6	23.6	0.66	0.83	0.69	0.66	0.69	
- Designation of the least of t	/21CS074	1	5	6	1	4	5	1	6	7	4	4	4	4	4	3.8	3.8	3.8	3.8	3.8	19	8.8	13.8	11.8	8.8	13.8	0.26	0.31	0.35	0.26	0.41	
-	/21CS075	9	2	11	9	2	11	9	2	11	4	4	4	4	4	4.6	4.6	4.6	4.6	4.6	23	17.6	19.6	10.6	17.6	10.6	0.52	0.45	0.31	0.52	0.31	
-	/21CS076	13	13	26	13	13	26	13	13	26	4	4	4	4	4	5.6	5.6	5.6	5.6	5.6	28	22.6	35.6	22.6	22.6	22.6	0.66	0.81	0.66	0.66	0.66	
anneres	/21CS077	12	11	23	12	11	23	12	11	23	4	4	4	4	4	4.6	4.6	4.6	4.6	4.6	23	20.6	31.6	19.6	20.6	19.6	0.61	0.72	0.58	0.61	0.58	
- December	/21CS078	11	14	25	11	14	25	11	14	25	4	4	4	4	4	4.8	4.8	4.8	4.8	4.8	24	19.8	33.8	22.8	19.8	22.8	0.58	0.77	0.67	0.58	0.67	
-	/21CS079	10	17	27	10	17	27	10	17	27	4	4	4	4	4	5.6	5.6	5.6	5.6	5.6	28	19.6	36.6	26.6	19.6	26.6	0.58	0.83	0.78	0.58	0.78	
- Innerent	/21CS080	16	11	27	16	11	27	16	11	27	4	4	4	4	4	6	6	6	6	6	30	26	37	21	26	21	0.76	0.84	0.62	0.76	0.62	
- Brown or	/21CS081	5	1	6	5	0	5	5	2	7	4	4	4	4	4	3.6	3.6	3.6	3.6	3.6	18	12.6	13.6	7.6	12.6	9.6	0.37	0.31	0.22	0.37	0.28	
- Decisions	/21CS082	13	15	28	13	15	28	13	15	28	4	4	4	4	4	6.6	6.6	6.6	6.6	6.6	33	23.6	38.6	25.6	23.6	25.6	0.69	0.88	0.75	0.69	0.75	
	/21CS083	13	5	18	13	5	18	13	5	18	4	4	4	4	4	4.4	4.4	4.4	4.4	4.4	22	21.4	26.4	13.4	21.4	13.4	0.63	0.60	0.39	0.63	0.39	
-	/21C5084	5	4	9	5	4	9	5	4	9	4	4	4	4	4	2	2	2	2	2	10	11	15	10	11	10	0.32	0.34	0.29	0.32	0,29	
- Inches	/21CS085	3	2	5	3	2	5	3	2	5	. 4	4	4	4	4	1.8	1.8	1.8	1.8	1.8	9	8.8	10.8	7.8	8.8	7.8	0.26	0.25	0.23	0.26	0.23	
- Decision	/21C5086	18	10	28	18	10	28	18	10	28	4	4	4	4	4	6.4	6.4	6.4	6.4	6.4	32	28.4	38.4	20.4	28.4	20.4	0.84	0.87	0.60	0.84	0.60	
and the same	/21CS087	7	3	10	7	3	10	7	3	10	4	4	4	4	4	2	2	2	2	2	10	13	16	9	13	9	0.38	0.36	0.26	0.38	0.26	
- Contraction	/21CV001	8	6	14	6	8	14	7	14	14	4	4	4	4	4	5.6	5.6	5.6	5.6	5.6	28	17.6	21.6	17.6	16.6	23.6	0.52	0.49	0.52	0.49	0.69	
-	/21CV002	3	3	6	2	3	5	3	4	-7	4	4	4	4	4	1.8	1.8	1.8	1.8	1.8	9	8.8	10.8	8.8	8.8	9.8	0.26	0.25	0.26	0.26	0.29	
-	/21CV003	12	1	13	11	2	13	2	11	13	4	4	4	4	4	4.8	4.8	4.8	4.8	4.8	24	20.8	20.8	10.8	10.8	19.8	0.61	0.47	0.32	0.32	0.58	
-	V21CV004	7	6	13	4	9	13	5	8	13	4	4	4	4	4	4.8	4.8	4.8	4.8	4.8	24	15.8	18.8	17.8	13.8	16.8	0.46	0.43	0.52	0.41	0.49	
-	V21CV005	2	4	6	4	1	5	4	3	7	4	4	4	4	4	1.2	1.2	1.2	1.2	1.2	6	7.2	13.2	6.2	9.2	8.2	0.21	0.30	0.18	0.27	0.24	
-	V21CV006	2	5	7	2	4	6	4	4	8	4	4	4	4	4	1.4	1.4	1.4	1.4	1.4	7	7.4	12.4	9.4	9.4	9.4	0.22	0.28	0.28	0.28	0.28	
- Barrera	V21CV007	3	7	10	4	5	9	2	9	11	4	4	4	4	4	6	6	6	6	6	30	13	21	15	12	19	0.38	0.48	0.44	0.35	0.56	
and the same of	V21CV008	4	5	9	3	6	9	4	5	9	4	4	4	4	4	1.2	1.2	1.2	1.2	1.2	6	9.2	13.2	11.2	9.2	10.2	0.27	0.30	0.33	0.27	0.30	
- Security	V21CV010	5	6	11	3	8	11	4	7	11	4	4	4	4	4	2.8	2.8	2.8	2.8	2.8	14	11.8	15.8	14.8	10.8	13.8	0.35	0.36	0.44	0.32	0.41	
-	V21CV011	3	2	5	3	1	4	2	2	4	4	4	4	4	4	1.4	1.4	1.4	1.4	1.4	7	8.4	10.4	6.4	7.4	7.4	0.25	0.24	0.19	0.22	0.22	
-	V21CV012	4	3	7	2	5	7	3	4	7	4	4	4	4	4	2.6	2.6	2.6	2.6	2.6	13	10.6	11.6	11.6	9.6	10.6	0.31	0.26	0.34	0.28	0.31	
and the second	V21CV013	0	o	0	0	0	0	0	0	0	4	4	4	4	4	0	0	0	0	0	0	4	4	4	4	4	0.12	0.09	0.12	0.12	0.12	
-	V21CV014	3	3	6	2	- 4	6	1	5	6	4	4	4	4	-4	1.2	1.2	1.2	1.2	1.2	6	8.2	10.2	9.2	- 6.2	10.2	0.24	0.23	0.27	0.18	0.30	
-	V21CV015	17	6	23	11	11	22	13	11	24	4	4	4	4	4	5.2	5.2	5.2	5.2	5.2	26	26.2	26.2	20.2	22.2	20.2	0.77	0.60	0.59	0.65	0.59	
-	V21EE001	3	3	6	1	4	5	2	5	7	4	4	4	4	4	1.8	1.8	1.8	1.8	1.8	9	8.8	9.8	9.8	7.8	10.8	0.26	0.22	0.29	0.23	0.32	
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-	V21EE002	11	9	28	. 15	12	27	11	18	29	4	4	4	- 4	4	5.8	5.8	5.8	5.8	5.8	29	28.8	33.8	- 21.8	20.8	27.8	0.85	0.77	0.64	0.61	0.82	
-	V21EE003	19	3		1		12	8	4	12	4	4	4	4	4	5.6	5.6	5.6	5.6	5.6	28	18.6	13.6	20.6	17.6	13.6	0.55	0.31	0.61	0.52	0.40	
-	V21EE005	0.000	10/10/11/10	12 29	19	11 9	28	14	16	30	4	4	4	4	4	7.8	7.8	7.8	7.8	7.8	39	29.8	41.8	20.8	25.8	27.8	0.88	0.95	0.61	0.76	0.82	1
-	V21EE006	18	11 831		3377707	838	1982	1141	903	2037	420	420	420	420	420	653	653	652.6		652.6	3265	2245	3048	1911		1975.6	66.0	69.3	56.2	65.1	58.1	
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SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY SIRA ROAD, TUMKUR- 572 106.

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGG

SUBJECT	BASIC ELECTRICAL ENGINEERING	SUBJECT CODE	18ELE23
		The court	TOLLE23

COURSE OUTCOME

CO1	Analysis of Resistive Circuits and Solution of resistive circuits with independent sources
CO2	circuits.
CO3	Discuss the laws of illumination, different types of lamps, lighting schemes and design of lighting systems.
CO4	Analysis of Single Phase AC Circuits, the representation of alternating quantities and determining the power in these circuits.
CO5	Analysis of Single Phase AC Circuits, the representation of alternating quantities and determining the power in these circuits.

PROGRAM OUTCOMES

- PO1 Engineering knowledge: An ability to apply knowledge of mathematics (including probability, statistics and discrete mathematics), science, and engineering for solving Engineering problems and Knowledge.
- PO2 Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- PO3 Design / development of solutions: An ability to design solution for engineering problems and design system components or process to meet desired specifications and needs.
- PO4 Conduct investigations of complex Problem: An ability to identify, formulate, comprehend, analyze, design synthesis of the information to solve complex engineering problems and provide valid conclusions.
- PO5 Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling to complex engineering activities.
- PO6 The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues.
- PO7 Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- PO8 Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- PO9 Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- PO10 Communication: Communicate effectively on complex engineering activities with the engineering community and with the society.
- PO11 Project management and finance: An ability to use the modern engineering tools, techniques, skills and management principles to do work as a member and leader in a team, to manage projects in multidisciplinary environments.
- PO12 Life-long learning: A recognition of the need for, and an ability to engage in, to resolve contemporary issues and acquire lifelong learning.

 Head of the Department

Electrical & Electronics Engineering Shindevi Institute of Engineering L

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Head of the Department
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SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

SIRA ROAD, TUMKUR- 572 106.

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

SUBJECT	ELECTRIC CIRCUIT ANALYSIS	SUBJECT CODE	18EE32
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COURSE OUTCOME

CO1: Understand the basic concepts, basic laws and methods of analysis of DC and AC networks and reduce the complexity of network using source shifting, source transformation and network reduction using transformations

CO2: Solve complex electric circuits using network theorems

CO3: Discuss resonance in series and parallel circuits and also the importance of initial conditions and their evaluation

CO4: Synthesize typical waveforms using Laplace transformation

CO5: Solve unbalanced three phase systems and also evaluate the performance of two port networks.

PROGRAM OUTCOMES

- PO1 Engineering knowledge: An ability to apply knowledge of mathematics (including probability, statistics and discrete mathematics), science, and engineering for solving Engineering problems and Knowledge.
- PO2 Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- PO3 Design / development of solutions: An ability to design solution for engineering problems and design system components or process to meet desired specifications and needs.
- PO4 Conduct investigations of complex Problem: An ability to identify, formulate, comprehend, analyze, design synthesis of the information to solve complex engineering problems and provide valid conclusions.
- PO5 Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling to complex engineering activities.
- PO6 The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues.
- 'PO7 Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- **PO8** Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- PO9 Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- PO16 Communication: Communicate effectively on complex engineering activities with the engineering community and with the society.
- PO11 Project management and finance: An ability to use the modern engineering tools, techniques, skills and management principles to do work as a member and leader in a team, to manage projects in multidisciplinary environments.
- PO12 Life-long learning: Λ recognition of the need for, and an ability to engage in, to resolve contemporary issues and acquire lifelong learning.

G. A R.

Head of the Department
Electrical & Electronics Engineering
Shridevi Institute of Engineering & Technology
TUMKUR-572106.

PRINCIPAL SIET, TUMAKURU

COLLEGE		SHR	DEVI	INSTI	TUTE	OF EN	IGIN	EERING	G & TI	ECHNO	LOGY	
FACULTY	NAM	E I	Mr. G.	H. RA	VIKUN	MAR						
BRAN	СН	1	E	EEE		A	CADI	EMIC Y	EAR		2020-	21
COURSE	В.1	E	SEM	ESTE	R	ш	s	SECTIO	N		EEE	
SUBJECT	El	ECT	RIC CI	RCUI	ΓANA	LYSIS	5	SUBJE	CT CC	ODE	18EF	232
CO & PO M	APPI	NG										
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	3	2		-				-			2
CO2	2	3	2	-	-	7-		1.	-			2
CO3	1	3	1						-			1
CO4	3	3	3		-	-		-				3
CO5	2	3	2						-			2
AVERAGE	2	3	2	-	-	-		1	-			2
		IIII	il bil			ov	ERAI	L MAP	PING	OF SU	вјест	2.25

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11.	PO12
CO1	57.4	1.148	1.722	1.148							-	+1	1.148
. ĊO2	55.58	1.111	1.667	1.111	-	-			-				1.111
CO3	.55.58	0.555	1.667	0.555		1.0		-	-				0.555
CO4	57.4	1.722	1.722	1.722	- 5	-		00+10		-	-		1.722
CO5	56.55	1.131	1.696	1.131			-				-	-	1.131
AVERAGE		1.133	1.694	1.133	1 28		1021	-					1,133
	131	911-1	1000 41	77	Trails			FIN	AL AT	TAIN	MENT I	LEVEL	1.273

G. H. Ravel

Heat of the Department

Bectrical & Electronics Engineering

Shridevi Institute of Engineering & Technology
TUMKUR-572106.

PRINCIPAL SIET., TUMAKURI

cademic yea	2020	3-21		SEM	Ш	Total s	trengt	h	17	Subje	ct		ELEC	TRIC	CIRCUIT	ANA	YSIS		Subje	ect Code	18E	E32								-
SEM:III	IA TE	ST 1(.	30M)	IA T	EST 2	(30M)	IA T	EST 3	(30M)	ASSI	GNE	MENT /	QUIZ	(10 M)		SEE N	IARK	S(60)			Total C	Os ATTA	INMENT			% of	Individua	I CO		SE
USN	COI	CO2	TOTAL	CO3	CO4	TOTAL	CO5	CO5	TOTAL	CO1	CO2	CO3	CO4	CO5	CO1=12	CO2	CO3	CO4	CO5	CO1=29	CO2=29	CO3=29	CO4=29	CO5=44	CO1	CO2	CO3	CO4	CO5	_
LSV18EE001	13	10	23	10	13	23	13	10	23	2	2	2	2	2	2.8	2.8	2.8	2.8	2.8	17.8	14.8	14.8	17.8	25	61.38	51.03	51.03	61.38	56.82	-
ISV19EE001	15	14	29	14	15	29	15	14	29	2	2	2	2	2	5	5	5	5	5	22	21	21	22	31	75.86	72.41	72.41	75.86	70.45	-
LSV19EE002	12	12	24	12	12	.24	12	12	24	2	2	2	2	2	2.4	2.4	2.4	2.4	2.4	16.4	16.4	16.4	16.4	26	56.55	56.55	56.55	56.55	59.09	_
SV19EE005	13	13	26	13	13	26	13	13	26	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	19.2	19.2	19.2	19.2	28	66.21	66.21	66.21	66.21	63.64	-
SV19EE006	7	7	14	7	7	14	7	7	14	2	2	2	2	2	2.4	2.4	2.4	2.4	2.4	11.4	11.4	11.4	11,4	16	39.31	39.31	39.31	39.31	36.36	-
5V19EE007	13	12	25	12+	13	25	13	12	25	2	2	2	2	2	. 6	6	6	6	6	21	20	20	21 ·	27	72.41	68.97	68.97	72.41	61.36	
SV19EE008	12	13	25	13	+ 12	25	12	13	25	2	2	2	2	2	1.2	1.2	1.2	1.2	1.2	15.2	16.2	16.2	15.2	27	52.41	55.86	55.86	52.41	61.36	
5V19EE009	7	7	14	7	7	14	7	7	14	2	2	2	2	2	0.4	0.4	0.4	0.4	0.4	9.4	9.4	9.4	9.4	16	32.41	32.41	32.41	32.41	36.36	
SV19EE011	15	14	29	14	15	29	15	14	29	2	2	2	2	2	8.4	8.4	8.4	8.4	8.4	25.4	24.4	24.4	25.4	31	87.59	84.14	84.14	87.59	70.45	4.
5V19EE012	11	10	21	10	-11	21	11	10	21	2	2	2	2	2	2:4	2.4	2.4	2.4	2.4	15.4	14.4	14.4	15.4	- 23	53.10	49.66	49.66	53.10	52.27	4
SV19EE014-	11	11	22	11	11	22	11	11	22	2	.2	2	2	2	0	0	0	0	0	13	- 13	13	13	24	44.83	44.83	44.83	44.83	54.55	
SV19EE016	13	13	26	13	13	26	13	13	26	2	2	2	2	2	1	1	1	1	1	16	16	16	16	28	55.17	55.17	55.17	55.17	63.64	
ISV19EE017	15	15	30	15	15	30	15	15	30	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	21.2	21.2	21.2	21.2	32	73.10	73.10	73.10	73.10	72.73	
ISV19EE020	12	12	24	12	12	24	12	12	24	2	2	2	2	2	2.8	2.8	2.8	2.8	2.8	16.8	16.8	16.8	16.8	26	57.93	57.93	57.93	57.93	59.09	
SV20EE400	10	10	20	10	10	20	10	10	20	2	2	2	2	2	2.8	2.8	2.8	2.8	2.8	14.8	14.8	14.8	14.8	22	51.03	51.03	51.03	51.03	50.00	
1SV20EE401	8	7	15	7	8	15	8	7	15	2	2	2	2	2	0.4	0.4	0.4	0.4	0.4	10.4	9.4	9.4	10.4	17	35.86	32.41	32.41	35.86	38.64	
ISV20EE402	12	10	22	10	12	22	12	10	22	2	2	2	2	2	3.6	3.6	3.6	3.6	3.6	17.6	15.6	15.6	17.6	24	60.69	53.79	53.79	60.69	54.55	
								100										-	-								-		_	+
					-		_				-			-		-		-	-		-				57.40	55.58	55.58	57.40	56.55	1



SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

SIRA ROAD, TUMKUR- 572 106.

3rd 20.21

DEPARTMENT OF EEE

SUBJECT TRANSFORMER & GENERATOR SUBJECT CODE 18EE33

COURSE OUTCOME

CO1. Understand the construction and operation of 1-phase, 3-Phase transformers and Autotransformer.

CO2. Analyze the performance of transformers by polarity test, Sumpner's Test, phase conversion, 3-phase connection, and parallel operation.

CO3. Understand the construction and working of AC and DC Generators.

CO4. Analyze the performance of the AC Generators on infinite bus and parallel operation.

CO5. Determine the regulation of AC Generator by Slip test, EMF, MMF, and ZPF Methods

- PO1 Engineering knowledge: An ability to apply knowledge of mathematics (including probability, statistics and discrete mathematics), science, and engineering for solving Engineering problems and Knowledge.
- PO2 Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- PO3 Design / development of solutions: An ability to design solution for engineering problems and design system components or process to meet desired specifications and needs.
- PO4 Conduct investigations of complex Problem: An ability to identify, formulate, comprehend, analyze, design synthesis of the information to solve complex engineering problems and provide valid conclusions.
- PO5 Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling to complex engineering activities.
- PO6 The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues.
- PO7 Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- PO8 Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- PO9 Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- PO10 Communication: Communicate effectively on complex engineering activities with the engineering community and with the society.
- PO11 Project management and finance: An ability to use the modern engineering tools, techniques, skills and management principles to do work as a member and leader in a team, to manage projects in multidisciplinary environments.
- PO12 Life-long learning: A recognition of the need for, and an ability to engage in, to resolve contemporary issues and acquire lifelong learning.

Head of the Department
Electrical & Electronics Engineering
Shridevi Institute of Engineering & ioc. ...

PRINCIPAL SIET., TUMAKURU

FACULTY	NAM	E	MRS. S	WETH	IA T	М						
BRAN	СН		F	EEE	1.	A	CADI	EMIC Y	EAR		2020-	-21
COURSE	B.I	Ε	SEM	ESTEI	2- 1	II · ·	S	ECTIO	N		•	
SUBJECT	TR	ANSF	ORME	ER & G	ENE	RATOI	R	SUBJE	ст сс)DE	18EE	33
CO & PO M	APPIN	IG.			-							
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	3	3	2			2				2	1
CO2	2	3	3	2			2				2	1
CO3	1	3	3	1			2				2	1
CO4	2	3	3	2			2				2	1
CO5	2	3	3	2			2				2	1
AVERAGE	2	3	3	1.8			2				2	1
		MA				OVI	CRAL	L MAP	PING	OF SUI	BJECT	2.11

CO ANI		No. Name and Advantage		Separate 1					-3334				
	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
- CO1	54.5	1.64	1.64	1.64	1.09		•	1.09				1.09	0.55
CO2	54.7	1.09	1.64	1.64	1.09			1.09				1.09	0.55
CO3	56.2	0.56	1.69	1.69	0.56			1.12				1.12	0.56
CO4	61.4	1:23	1.84	1.84	1.23			1.23				1.23	0.61
CO5	60.7	1.21	1.82	1.82	1.21			1.21				1.21	0.61
AVERAGE	57.5	1.1466	1.725	1.725	1.0376	0	0	1.15	0	0	0	1.15	0.575
	AND I							FIN	AL AT	TAIN	MENT I	LEVEL	1.215

G. H. Rave.

Nombre James

PRINCIPAL

SIET, TUMAKURU

SEM:III, EEE		IA TES	Γ1	· I	A TEST	Γ2		A TES	T 3			Assi	gnme	nt ·	11707		S	EE T&	G 202	0-2021				TOTAL				-		-	
USN	COI	CO2	TOTAL	CO3	CO4	TOTAL	CO4	CO5	TOTAL	COL	CO2	CO	CO	COS	TOTAL	COL	_	CO3	C04	-	TOTAL	COI	CO2	-	L co.	Lone	001		Avera	-	
15V18EE001	12	12	24	12	14	26	11	14	25	2	2	2	2	2	10	4.4	4.4	4.4	4.4	-		-	-	CO3	CO4	CO5	COI	CO2	CO3	.CO4	CO5
15V19EE001	13	12	25	14	13	27	14	15	29	2	2	2	2	2	10	4.8	4.4	4.8	-	4.4	22	18.4	18.4	18.4	31.4	20.4	54.1	54.1	54.1	58.1	60
1SV19EE002	12	13	25	13	14	27	14	9	23	2	2	2	2	2	10	2.2	2.2		4.8	4.8	24	19.8	18.8	20.8	33.8	21.8	58.2	55.3	61.2	62.6	64.1
1SV19EE005	12	17	29	10	18	28	11	19	30	2	2	2	2	2	10	4.2	-	2.2	1.2	2.2	11	16.2	17.2	17.2	32.2	13.2	47.6	50.6	50.6	59.6	38.8
1SV19EE006	14	9	23	12	13	25	12	15	27	2	2	2	2	2	-	4.2	4.2	4.2	4.2	4.2	21	18.2	23.2	16.2	35.2	25.2	53.5	68.2	47.6	65.2	74.1
15V19EE007	12	14	26	14	14	28	14	16	.30	2	2	2	2	2	10	4.0	3	3	3	3	15	19	14	17	30	20	55.9	41.2	50.0	55.6	58.8
1SV19EE008	13	12	25	15	9	24	13	16	29	2	2	2	2	2		4.8	4.8	4.8	4.8	4.8	24	18.8	20.8	20.8	34.8	22.8	55.3	61.2	61.2	64.4	67.1
15V19EE009	10	13	23	14	15	29	15	11	26	2	2	2	2	2	10	4.2	4.2	4.2	4.2	4.2	21	19.2	18.2	21.2	28.2	22.2	56.5	53.5	62.4	52.2	65.3
15V19EE011	11	19	30	12	18	30	14	16	30	2	2	2	2	2	10	3.4	3.4	3.4	3.4	3.4	17	15.4	18.4	19.4	35.4	16.4	45.3	54.1	57.1	65.6	48.2
15V19EE012	12	12	24	14	14	28	15	14	29	2	2	2	2	2	10	4.6	4.6	4.6	4.6	4.6	23	17.6	25.6	18.6	38.6	22.6	51.8	75.3	54.7	71.5	66.5
1SV19EE013-	14	16	30	13	15	28	12	17	29 -	2	2	2	2	- 2	10	4.2	4.2	4.2	4.2	4.2	21	18.2	18.2	20.2	35.2	20.2	53.5	53.5	59.4	65.2	59.4
15V19EE014	13 *	11	24	12	14	26	13	12	25	2	12	2	2	2	10	4.1	4.1	4.1	4.1	4.1	- 22	20.1	22.1	19.1	33.1	23.1	59.1	65.0	56.2	61.3	67.9
1SV19EE016	12	5	17	14	9	23	14	12		2	'2	2	2	2	10	1.6	1.6	1.6	1.6	1.6	8	16.6	14.6	15.6	30.6	15.6	48.8	42.9	45.9	56.7	45.9
15V19EE017	14	8	22	15	11	26	14	_	26	2	2	2	2	2	10	2.6	2.6	2.6	2.6	2.6	13	16.6	9.6	18.6	27.6	16.6	48.8	28.2	54.7	51.1	48.8
15V19EE020	13	17	30	12	18	30	_	13	27	2	2	2	2	2	10	7.4	7.4	7.4	7.4	7.4	37	23.4	17.4	24.4	34.4	22.4	68.8	51.2	71.8	63.7	65.9
1SV20EE400	14	11	25	12	15		12	18	30	2	2	2	2	2	10	4.2	4.2	4.2	4.2	4.2	21	19.2	23.2	18.2	36.2	24.2	56.5	68.2	53.5	67.0	71.2
15V20EE401	11	12	23	14	15	27	13	16	29	2	2	2	2	2	10	4.6	4.6	4.6	4.6	4.6	23	20.6	17.6	18.6	34.6	22.6	60.6	51.8	54.7	64.1	66.5
DTAL	212	213	425		_	29	11	15	26	2	2	2	2	2	10	4.6	4.6	4.6	4.6	4.6	22	17.6	18.6	20.6	32.6	21.6	51.8	54.7	60.6	60.4	63.5
otal students	17	17		222	239	461	222	248	470	34	34	34	34	34	170	68.9	68.9	68.9	69	68.9	345	315	315.9	324.9	564	351	926.2	929.1	955.6	1044.3	1032
	12.47		17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	1
verage	12.47	12.53	25	13.059	14.06	27.118	13.06	14.6	27.647	2	2	2	2	2	10	4.05	4.05	4.053	4.1	4.053	20.2941	18.5	18.58	19.112	33.7	20.6	54.5	54.7	56.2	61.4	60.

18EE33 T&G 2020-2021

Head of the Department
Electrical & Electronics Engineering
Shridevi Institute of Engineering & Technology
TUMKUR-572106.





SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY SIRA ROAD, TUMKUR- 572 106.

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGG

SUBJECT	ANALOG ELECTRONIC CIRCUITS	SUBJECT CODE	18EE34
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COURSE OUTCOME

CO1	Obtain the output characteristics of clipper and clamper circuits.
CO2	Design and compare biasing circuits for transistor amplifiers & explain the transistor switching.
CO3	Explain the concept of feedback, its types and design of feedback circuits
CO4	Design and analyze the power amplifier circuits and oscillators for different frequencies.
CO5	Design and analysis of FET and MOSFET amplifiers

PROGRAM OUTCOMES

- PO1 Engineering knowledge: An ability to apply knowledge of mathematics (including probability, statistics and discrete mathematics), science, and engineering for solving Engineering problems and Knowledge.
- PO2 Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- PO3 Design / development of solutions: An ability to design solution for engineering problems and design system components or process to meet desired specifications and needs.
- PO4 Conduct investigations of complex Problem: An ability to identify, formulate, comprehend, analyze, design synthesis of the information to solve complex engineering problems and provide valid conclusions.
- PO5 Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling to complex engineering activities.
- PO6 The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues.
- PO7 Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- PO8 Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
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- PO10 Communication: Communicate effectively on complex engineering activities with the engineering community and with the society.
- PO11 Project management and finance: An ability to use the modern engineering tools, techniques, skills and management principles to do work as a member and leader in a team, to manage projects in multidisciplinary environments.
- PO12 Life-long learning: A recognition of the need for, and an ability to engage in, to resolve contemporary issues and acquire lifelong learning.

G. H RAMBER Head of the Department
Electrical & Electronics Engineering & Institute of Engineering & Institute & Institute

PRINCIPAL SIET, TUMAKURU

COLLEGE		SHE	RIDEV	LINST	TTUT	E OF E	NGI	NEERIN	VG & 7	ECHN	OLOG	Y
FACULT	Y NAN		V.RA.			-						
BRA	NCH			EEE		A	CAD	EMIC '	YEAR		2018	8-19
COURSE	B.	E.	SEN	1ESTE	R	Ш		SECTIO	ON		EEE	
SUBJECT	AN	ALOC	G ELEC	CTRO	NIC C	IRCUI	TS	SUBJE	CT C	ODE	18E	E34
CO & PO M	IAPPI	NG										
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
	1	2	3	4	5	6	7	8	9	10	11	12
CO1	1	1	2									
CO2	1	1	3									
CO3	1	1	- 2	all and								
CO4	1	1	3									
CO5	1	1	3									To all a
AVERAGE	1	1	3				1					- 17
	10					OVE	RALL	MAPP	ING O	F SUB.	JECT	1.6

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	40.29	0.41	0.41	0.81									
CO2	39.25	0.39	0.39	1.17									
CO3	40.28	0.40	0.40	0.81									
CO4	40.28	0.40	0.40	1.21									
CO5	40.69	0.41	0.41	1.22						1000			
AVERAGE	40.11	0.40	0.40	1.04						100	128	1 10	

Head of the Department
Electrical & Electronics Engin
Shridevi Institute of Engineering &
TUMKUR-572106.

Menha Lampetha PRINCIPAL SIET., TUMAKURU STAFF NAME: V RAJESH KUMAR

Academic year		2018-19		SEM	3		3	Fotal streng	th	18		Sut	eject .	ANALO	OG ELECTE	ONIC CI	RCUITS		Subje	et Code	18E	E34					A. J		
SEM:3.SEC: E&E	IA.	TEST 1(36	OM)		No.	/	LA	TEST 3(3)	0M)		ASSIGNE	MENT/Q	ULZ(10 M)	Ban.	and the	SE.	E MARKS	(60)	A STATE OF THE PARTY OF THE PAR		Total C	05 ATTAI	NMENT			% (of individua	CO	
USN	COL	CO2	TOTAL.	CO2	CO3	TOTAL	CO4	CO5	TOTAL.	COL	CO2	CO3	C04	CO5-	CO1=12	CO2	CO3	CO4	C05	CO1=29	CO2=44	CO3=29	CO4=29	CO5=29	CO1	CO2	C03	C04	C05
15V18EE001	6	6	12	6	6	1.2	6	7	13	2	2	2	2	2	3	3	3	3	3	11	17	11	11	12	37.93103	38.63636	37.93103	37 93103	41.3793
15V19EE001	6	6	12	- 6	- 6	12	6	7	13	2	2	2	2	2	3.2	3.2	3.2	3.2	3.2	11.2	17.7	11.2	11.2	12.2	38.62069	39.09091	38.62069	38.62069	42.0689
15V19EE002	5	5	10	5	5	10	5	5	10	2	2	2	2	2	1.6	1.6	1.6	1.6	1.6	8.6	13.6	8.6	8.6	8.6	29.65517	30.90909	29.65517	29 65517	29.6551
15V19EE005	6	6	12	6	- 6	12	6	6	1.2	2	2	2	2	2	6.2	6.2	6.2	6.2	6.2	14.2	20.2	14.2	14.2	14.2	48.96552	45.90909	48.96552	48.96552	48.96557
15V19EE006	5	5	10	- 6	. 5	11	5	5.	10	2	2	2	2	2	2.8	2.8	2.8	2.8	2.8	9.8	15.8	9.8	9.8	9.8	33.7931	35.90909	33.7931	33.7931	33.7931
15V19EE007	7	7	14	7	7	14	7	7	14	2	2	2	2	2	5.8	5.8	5.8	5.8	5.8	14.8	21.8	14.8	14.8	14.8	51.03448	49.54545	51.03448	51.03448	51.03448
15V19EE008	5.5	5.5	11	5.5	5.5	11	5.5	5.5	11	2	2	2	2	2	4.2	. 4.2	4.2	4.2	4.2	11.7	17.2	11.7	11.7	11.7	40.34483	39.09091	40.34483	40.34483	40 34483
15V19EE009	5.5	5.5	11	5.5	5.5	11	5.5	5.5	11	2	2	2	2	. 2	4.6	4.6	4.6	4.6	4.6	12.1	17.6	12.1	12.1	12.1	41.72414	40	41.72414	61 72414	41.72414
15V19EE011	6.5	6.5	13	6.5	6.5	13	6.5	6.5	1.3	2	2	2	3	2	5.2	5.2	5.2	5.2	5.2	13.7	20.2	13.7	13.7	13.7	47.24138	45.90909	47.24138	47.24138	47.24136
15V19EE012	6	fi:	3.2	6	- 6	12	6	6	12	2	2	2	2	2	3	3	3	3	3	11	17	11	11	11	37.93103	38.63636	37,93103	37.93103	37.93103
15V19EE014	4.5	4.5	9	4.5	4.5	9	4.5	4.5	9	2	2	2	2	2	0.4	0.4	0.4	0.4	0.4	6.9	11.4	6.9	6.9	6.9	23.7931	25.90909	23.7931	21.7931	23.7931
15V19EE016	4	4	. 8	4	4	8	4	4	8	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	10.6	14.6	10.6	10.6	10.6	36.55172	33.18182	36.55172	36.55172	36.55172
15V19EE017	6.5	6.5	1.3	6.5	6.5	13	6.5	6.5	13	2	2	2	2	2	7	7	1	7	7	15.5	22	15.5	15.5	15.5	53.44828	50	53.44828	53.44828	53.44828
15V19EE020	5.5	5.5	11	5.5	5.5	11	5.5	5.5	11	2	2	2	2	2	5.8	5.8	5.8	5.8	5.8	13.3	18.8	13.3	13.3	13.3	45 86207	42.72727	45.86207	45.86207	45.86207
15V20EE400	5	5	10	5	5	10	5	5	10	2	2	2	2	2	6	6	fi	6	6	13	18	13	13	13	44 82759	40.90909	44.82759	44.82759	44.82755
15V20EE401	. 5	5	10	5	5	10	5	5	10	2	2	2	2	2	5.2	5.2	5.2	5.2	5.2	12.2	17.2	12.2	12.2	12.2	47.06897	39.09091	42.06897	42.06897	42.06897
15V20EE402	5	5	10	5	5	10	5	5	10	2	2	2	2	2	2	2	2	2	2	9	14	9	9	9			31.03448		31.03448
S. PER																				11.68235	17.27059	11.68235	11.68235	11.8	40.28398	39.25134	40.28398	40 28398	40.68966

PRINCIPAL SIET. TUMAKURU

Head of the Department
Electrical & Electronics Engineering
Shridevi Institute of Engineering & Torificionsy
TUMKUR-572196.



SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY SIRA ROAD, TUMKUR- 572 106.

DEPARTMENT OF EEE

SUBJECT	DIGITAL SYSTEM DESIGN	SUBJECT CODE	18EE35
SUBJECT	DIGITAL STSTEM DESIGN	Sebstici Cobi.	101.1.00

COURSE OUTCOME

CO1	Develop simplified switching equation using Karnaugh Maps and Quine McClusky techniques.
CO2	Design Multiplexer, Encoder, Decoder, Adder, Subtractors and Comparator as digital combinational control circuits.
CO3	Design flip flops, counters, shift registers as sequential control circuits.
CO4	Develop Mealy/Moore Models and state diagrams for the given clocked sequential circuits.
CO5	Explain the functioning of Read only and Read/Write Memories, Programmable ROM EPROM and Flash memory

PROGRAM OUTCOMES

- PO1 Engineering knowledge: An ability to apply knowledge of mathematics (including probability, statistics and discrete mathematics), science, and engineering for solving Engineering problems and Knowledge.
- PO2 Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- PO3 Design / development of solutions: An ability to design solution for engineering problems and design system components or process to meet desired specifications and needs.
- PO4 Conduct investigations of complex Problem: An ability to identify, formulate, comprehend, analyze, design synthesis of the information to solve complex engineering problems and provide valid conclusions.
- PO5 Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling to complex engineering activities.
- PO6 The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues.
- PO7 Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- PO8 Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- PO9 Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- PO10 Communication: Communicate effectively on complex engineering activities with the engineering community and with the society.
- PO11 Project management and finance: An ability to use the modern engineering tools, techniques, skills and management principles to do work as a member and leader in a team, to manage projects in multidisciplinary environments.
- PO12 Life-long learning: A recognition of the need for, and an ability to engage in, to resolve contemporary issues and acquire lifelong learning.

COLLEGE

SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

Head of the Department
Electrical & Electronics Engineering
Shridevi Institute of Engineering & Technology
TUMKUR-572106.

PRINCIPAL SIET TUMAKURU

FACUL	TY NA	ME	RAG	HAVE	NDRA	1					-	-
BR.	ANCH			EEE		,	ACAD	EMIC	VEAD		20.	-
COURSE	В	.E	SEA	IESTE	ER	III	7-	SECTION			201	8-19
SUBJECT CO & PO M			TAL S	YSTEN	d DES	IGN		SUBJI		ODE	18E	E35
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	Pour	1			
CO1	3	3				100	ron	PO8	PO9	PO10	PO11	POL
CO2	2	3	3	-					_	-	-	3
	-										-	2
CO3	2	2	3	-	-	- 1	-	-	- 1			2
CO4	2	2	-	-	-		-	-		-	-	
CO5	-	-	3		-	-		-	-			2
VERAGE	2.25	2.5	3	-	-	-	_					2
								-	-	-	- 1	2.2
						OVER	ALL	MAPPI	NG O	F SUBJ	ECT	2.48

	CO%	POI	PO2	PO3	PO4	PO5	PO6	PO7	POS	POC	PO10	1210000	7
COI	36.47	0.82	0.81					.07	100	P09	PO10	PO11	PO12
CO2	35.56	0.79	0.88	1.06									0.72
CO3	36.47	0.82	0.81	1.09									0.78
CO4	36.47	0.82	0.81	1.07		-	-	-	_				0.72
CO5	36.85	0.83	0.01	1.10	-	-	-	-	_	_			0.72
AVERAGE	-	0.81	0.82	1.08	-	-	_	-					0.73
		100											0.73
		6-365			1			FINAL	ATT	AINMI	ENT LE	VEL	0.86

Head of the Department

Hactrical & Electronics Engineering

Shridevi Institute of Engineering & Technology

TUMKUR-572106.

PRINCIPAL SIET., TUMAKURU

	RAGAVI	

									-		1	E.ul	bject	101	GITAL SYS	TEM DES	IGN		Subjec	ct Code	100						A	-0.00	
		2018-19		SEM			1	Total streng	gth	18					1		E MARKS	(60)			Total C	os ATTAIN	MENT			% 0	of individual		
Academic year			08.83		A TEST 20	MIL	1.4	TEST 3(3	0M)		ASSIGNE	MENT/Q	(UZ(10 M)		-		The second second second	Secretary and the second	COS	CO1=29	CO2-44	CO3=29	CO4=29	CO5=29	CO1	C02	C03	CO4	CO5
SEM:3,SEC: E&E	IA.	TEST 1030			and the second second second	TOTAL	CO4	COS	TOTAL.	COL	C02	C03	C04	. CO2	COI=12	CO2	C03	CO1	COS	0.0	MANAGEMENT OF THE PARTY OF THE	9.8	9.8	9.8	33.7931	33.18182	33.7931	33.7931	33.7931
USN	COL	CO2	TOTAL	C02	CO3	- Committee	manufacture (and the later of the later)	- Company of the last	9.6	3	2	2	2	2	3 1	3	3	3	3	9.6	14.6	9.0		0.3	and the second second	34.54545	THE RESERVE OF THE PARTY.	31.72414	31.72414
15V18EE001	4.8	4.8	9.6	4.8	4.8	9.6	4.8	4.8			2	2	2	2	1.2	1.2	1.2	1.2	1.2	9.2	15.2	9.2	9.2	9.2	A CONTRACTOR OF THE PERSON	and the latest and th	and the second second second	13.44828	33.44828
15V19EE001	- 6	6	12	6	6	12	- 6	6	12			- 1	2	2	2.2	2.2	2.2	2.2	2.2	9.7	15.2	9.7	9.7	9.7	33.44828	34.54545	- Company of the Comp	NAME AND ADDRESS OF THE OWNER, TH	
Control of the Contro	5.5	6.5	11	5.5	5.5	11	5.5	5.5	11	- 1	- 1	-	1	3	- 6	- 6	6	- 6	6	13.3	18.6	13.3	13.3	13.3		42.27273	-	WANTED TO THE	45.86207
15V19EE002	5.5	5.3	10.6	5.3	5.3	10.6	5.3	5.3	10.6	2	2	2		1 2	1	1.8	1.8	1.8	1.8	8.4	13	8.4	8.4	8.8	28.96552	29.54545	28.96552	28.96552	30.34483
15V19EE005	5.3		9.2	4.6	4.6	9.2	4.6	5	9.6	2	2	2	2	1 2	1.8		-	4.8	4.8	12.6	18.4	12.6	12.6	12.6	43.44828	41.81818	43.44828	43.44828	43.44828
15V19EE006	4,6	4.6	-	-	5.0	11.6	5.8	5.8	11.6	2	2	2	2	2	4.8	4.8	4.8	4.0		0.1	13.4	9.1	9.1	9.1	31 37931	30.45455	31.37931	31.37931	31.37937
15V19EE007	5.8	5.8	11.6	5.8	3.0	-	4.3	4.3	8.6	2	2	- 2	2	2	2.8	2.8	2.8	2.8	2.8	9.1		11.2	11.2	11.2	38.62069	36.81818	38.62069	38.62069	38.62065
15V19EE008	4.3	4.3	8.6	4.3	4.3	8.6	4.5		10	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	11.2	16.7	Accessed to be before the	The second second		46.89655	44.09091	-	46.89655	46.89655
15V19EE009	5	5	10	5	5	10	>		_	3	2	2	2	2	5.8	5.8	5.8	5.8	5.8	13.6	19.4	13.6	13.6	13.6	Marian Salah S	the second second second	The second second	32 06897	17.24136
15V19EE011	5.8	5.8	11.6	5.8	5.8	11.6	5.8	5.8	11.6	-	-	-	3	2	2.8	2.8	2.8	2.8	2.8	9.3	13.8	9.3	9.3	10.8	32.06897	31.36364	and the same of the same of	AND RESIDENCE OF THE PARTY OF T	22.2013
15V19EE012	4.5	4.5	9	4.5	4.5	9	4.5	6	10.5	. 2			1 :	1 3	0.	0	0	0	0	6.5	11	6.5	6.5	6.5	22.41379	25	22.41379	22.41379	22.4137
	4.5	4.5	9	4.5	4.5	9	4.5	4.5	9	2	2	- 2		1 2	1 22	2.2	2.2	2.2	2.2	8.5	12.8	8.5	B.5	8.5	29.31034	29.09091	29.31034	29.31034	29.31034
15V19EE014		4.7	8.6	4.3	4.3	8.6	4.3	4.3	8.6	2	2	2	1 2		2.2		2.2	7.6	7.6	15.8	22	15.8	15.8	15.8	54.48276	50	54.48276	54.48276	54.48276
15V19EE016	4.3	4.3	-		6.2	12.4	6.2	6.2	12.4	2	2	2	2	2	7.6	7.6	7.6	7.0	7.0	-	17.8	12.8	12.8	12.8	44.13793	40.45455	44.13793	44.13793	44.1379
15V19EE017	6.2	6.2	12.4	6.2	0.2	10	- 5	5	10	2	2	2	2	2	5.8	5.8	5.8	5.8	5.8	12.8	and the state of t	10.7	10.7	10.7	36.89655	34.54545	36.89655	36.89655	16.8965
15V19EE020	5	5	10	5.	3	10		1.5	- 0	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	10.7	15.2	-	The second secon		and the second second second	30.45455	The second second	30.34483	30 3448
-15V20EE400	4.5	4.5	9	4.5	4.5	9	4.5	4.5	0.2	-	3	2	2	2	2.2	2.2	2.2	2.2	2.2	8.8	13.4	8.8	8.8	8.8	30.34483	Control of the Contro	_	and any facility of the second or the	36.2069
15V20EE401	4.6	4.6	9.2	4.6	4.6	9.2	4.6	4.6	9.2	-	1	-	2	1 2	1 1	3	3	3	3	10.5	16	10.5	10.5	10.5	36.2069	36,36364	AND DESCRIPTION OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO I	36.2069	AND THE PERSON NAMED IN
AND DESCRIPTION OF THE PARTY OF	6.6	1.5	11	5.5	5.5	11	5.5	5.5	11	2	2	- 2			1			-		10.57647	15.64706	10.57647	10.57647	10.68824	36.47059	35.5615	36.47059	36.47059	36.8559
15V20EE402	3.3	3.7	1	30.0		-	-	-	1111111111111111											I amountain		Witnessillan		Meet Vincense	Marin Constant				

PRINCIPAL SIET., TUMAKURU.

G. A. Romer Head of the Department Electrical & Electronics Engineering Simulary Institute of Engineering & Technology TUMKUR-572106.

DEPARTMENT OF EEE

SUBJECT	Electrical & Electronic Measurement	SUBJECT CODE	18EE36
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COURSE OUTCOME

CO1	Measure resistance, inductance and capacitance using bridges and determine earth resistance	ð.
CO2	Explain the working of various meters used for measurement of Power, Energy & understandard adjustments, calibration & errors in energy meters.	
CO3	Understand methods of extending the range of instruments & instrument transformers.	1,-
CO4	Explain the working of different electronic instruments.	
CO5	Explain the working of different display and recording devices.	_

PROGRAM OUTCOME

- PO1 Engineering knowledge: An ability to apply knowledge of mathematics (including probability, statistics and discrete mathematics), science, and engineering for solving Engineering problems and Knowledge.
- PO2 Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- PO3 Design / development of solutions: An ability to design solution for engineering problems and design system components or process to meet desired specifications and needs.
- PO4 Conduct investigations of complex Problem: An ability to identify, formulate, comprehend, analyze, design synthesis of the information to solve complex engineering problems and provide valid conclusions.
- PO5 Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling to complex engineering activities.
- PO6 The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues:
- PO7 Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- PO8 Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- PO9 Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- PO10 Communication: Communicate effectively on complex engineering activities with the engineering community and with the society.
- PO11 Project management and finance: An ability to use the modern engineering tools, techniques, skills and management principles to do work as a member and leader in a team, to manage projects in multidisciplinary environments.
- PO12 Life-long learning: A recognition of the need for, and an ability to engage in, to resolve contemporary issues and acquire lifelong learning.

Head of the Department
Electrical & Electronies Engineering
Shridevi Institute of Engineering & Technology
TUMKUR-572106.

PRINCIPAL SIET. TUMAKURU

COLLEGE		SHRI	DEVI	INSTI	TUTE	OF EN	(GIN	EERIN	G & T	ECHNO	LOGY			
FACULTY	NAM	E U	J MAB	AI ·							21/21/2			
BRAN	СН		F	EEE	T	A	CADI	ÉMIC Y	EAR		2020-2	0-2021		
COURSE	В.1	E	SEMESTER III SECTION											
SUBJECT	Ele	ctrical	& Elec	etronic	Meas	ureme	nt	SUBJE	CT C	ODE	18EE	36		
CO & PO M	APPIN	NG												
東西計	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12		
CO1	3	2	2	2	2	2						1		
CO2	3	2	2	2	2	2						1		
CO3	3	2	3	2	2	2						1		
CO4 ·	3	2	2	2	2	2						1		
CO5	3	2	2	2	2	2		3212				2		
AVERAGE	3	2	2.2	2	2	2				100		1.2		
				NINE	CONTRACTOR OF THE PARTY OF THE	OVI	RAL	L MAP	PINĢ	OF SUI	BJECT	2.05		

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	18.52	1.44	0.96	0.96	0.96	0.96	0.96						0.48
CO2	18.58	1.45	0.96	0.96	0.96	0.96	0.96						0.48
. CO3	19.11	1.52	1.01	1.52	1.01	1.01	1.01						0.50
CO4.	33.17	1.40	0.93	0.93	0.93	0.93	0.93						0.46
C05	20.64	1.43	0.95	0.95	0.95	0.95	0.95						0.47
AVERAGE	21.56	1.44	0.96	1.06	0.96	0.96	0.96						0.47
	題を提			建设施			4934	FIN	AL AT	TAIN	MENT I	LEVEL	1.28

Head of the Department
Electrical & Electronics Engineering &
TUMKUR-572106

PRINCIPAL SIET, TUMAKURU

SEM:III, EEE	1	A TEST	1	1	A TEST	2		IA TEST	3			Assig	nment				S	EE T&G	2020-20	21				TOTAL		
USN	COI	CO2	TOTAL	CO3	CO4	TOTAL	CO4	CO5	TOTAL	CO1	CO2	CO3	CO4	CO5	TOTAL	COI	CO2	CO3	C04	COS	TOTAL	COL	CO2	CO3	C04	COS
15V18EE001	12	12	24	12	14	26	11	14	25	2	2	2	2	2	10	4.4	4.4	4.4	4.4	4.4	22	18.4	-	-	-	-
1SV19EE001	13	12	25	14	13	27	14	15	29	2	2	2	2	2	10	4.8	4.8	4.8	4.8	4.8	24		18.4	18.4	31.4	20.4
1SV19EE002	12	13	25	13	14	27	14	9	23	2	2	2	2	2	10	2.2	2.2	2.2	2.2	2.2	-	19.8	18.8	20.8	33.8	21.8
15V19EE005	12	17	29	10	18	28	. 11	19	30	2	2	2	2	2	10	4.2	4.2	4.2	4.2		11	16.2	17.2	17.2	32.2	13.2
15V19EE006	14	9	23	12	13	25	12	15	27	2	2	2	2	2	10	3	3.00	9.2	4.2	4.2	21	18.2	23.2	16.2	35.2	25.2
15V19EE007	12	14	26	14	14	28	14	16	30	2	2	2	2	2	10	4.8	4.8	4.8	3	3	15	19	14	17	30	20
15V19EE008	13	12	25	15	9	24	13	16	29	2	2	2	2	2	10	4.2		-	4.8	4.8	24	18.8	20.8	20.8	34.8	22.8
1SV19EE009	10	13	- 23	14	15	29	15	11	26	2	. 2	2	2	2	10	-	4.2	4.2	4.2	4.2	21	19.2	18.2	21.2	28.2	22.2
1SV19EE011	11	19	30	12	18	30	14	16	30	2	2	2	2	- 2	-	3.4	3.4	3.4	-3.4	3.4	17	15.4	18.4	19.4	35.4	16.4
1SV19EE012	12	12	24	14	14	28	15	14	29	2	2	2	2	2	10	4.6	4.6	4.6	4.6	4.6	23	17.6	25.6	18.6	38.6	22.6
15V19EE013	14	16	30	13	15	28	12	17	29	2	2	2	2	2	10	4.2	4.2	4.2	4.2	4.2	21	18.2	18.2	20.2	35.2	20.2
1SV19EE014	13	11	24	12	14	26	13	12	25	2	2	2	2	2.	10	4.1	4.1	4.1	4.1	4.1	22	20.1	22.1	19.1	33.1	23.1
1SV19EE016	12	5	17	14	9	23	14	-		2	- 2	2	2	- 2	10	1.6	1.6	1.6	1.6	1.6	8	16.6	14.6	15.6	30.6	15.6
1SV19EE017	14	9	22	15	-		-	12	26	2	- 2	2	2	2	10	2.6	2.6	2.6	2.6	2.6	13	16.6	9.6	18.6	27.6	16.6
15V19EE020	13	17	30		11	26	14	13	27	2	2	2	2	2	10	7.4	7.4	7.4	7.4	7.4	37	23.4	17.4	24.4	34.4	22.4
		-		12	18	30	12	18	30	2	2	2	2	2	10	4.2	4.2	4.2	4.2	4.2	21	19.2	23.2	18.2	36.2	24.2
15V20EE400	14	11	25	12	15	- 27	13	16	29	2	2	2	2	- 2	10	4.6	4.6	4.6	4.6	4.6	23	20.6	17.6	18.6	34.6	22.6
15V20EE401	11	12	23	14	15	29	- 11	15	26	2	2	2	2	2	10	4.6	4.6	4.6	4.6	4.6	22	17.6	18.6	20.6	32.6	21.6
OTAL	212	213	425	222	239	461	222	248	470	34	34	34	34	34	170	68.9	68.9	68.9	68.9	68.9	345	314.9	315.9	324.9	563.9	350.9
otal students	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
verage	12.471	12.529	25	13.059	14.059	27.118	13.0588	14.5882	27.647	2	2	2	2	2	10	4.05	4.05	4.05	4.05	4.05	20.29	18.52	18.58	19.11	33.17	20.64

ELECTRICAL & ELECTRONICS MEASUREMENTS 18EE36 2020-21

PRINCIPAL SIET, TUMAKURU

Head of the Department
Electrical & Electronics Engineering
or Institute of Engineering & Technology
TUMKUR-572106.

DEPARTMENT OF EEE

SUBJECT	MICROCONTROLLER	SUBJECT CODE	18EE52

COURSE OUTCOME

CO1	Outline the 8051 architecture, registers, internal memory organization, addressing modes
CO2	Discuss 8051 addressing modes, instruction set of 8051, accessing data and I/O port programming
СОЗ	Develop 8051C programs for time delay, I/O operations, I/O bit manipulation, logic and arithmetic operations, data conversion and timer/counter programming.
CO4	Summarize the basics of serial communication and interrupts, also develop 8051 programs serial data communication and interrupt programming
CO5	Program 8051 to work with external devices for ADC, DAC
	Stepper motor control, DC motor control, Elevator control

PROGRAM OUTCOME

PO1 Engineering knowledge: An ability to apply knowledge of mathematics (including probability,

statistics and discrete mathematics), science, and engineering for solving Engineering problems

and Knowledge.

PO2 Problem analysis: Identify, formulate, research literature, and analyze complex engineering

problems reaching substantiated conclusions using first principles of mathematics, natural

sciences, and engineering sciences.

PO3 Design / development of solutions: An ability to design solution for engineering problems and

design system components or process to meet desired specifications and needs.

PO4 Conduct investigations of complex Problem: An ability to identify, formulate,

comprehend,

analyze, design synthesis of the information to solve complex engineering problems and provide

valid conclusions

PO5 Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern

engineering and IT tools, including prediction and modeling to complex engineering activities.

PO6 The engineer and society: Apply reasoning informed by the contextual knowledge to assess

societal, health, safety, legal, and cultural issues.

PO7 Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need

for sustainable development.

Head of the Department
Electrical & Electronics Engineering
Shridevi Institute of Engineering & Technology
TUMKUR-572106.

PRINCIPAL SIE LANGUETT

PO8 Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms

of the engineering practice.

PO9 Individual and team work: Function effectively as an individual, and as a member or leader in

diverse teams, and in multidisciplinary settings.

PO10 Communication: Communicate effectively on complex engineering activities with the engineering community and with the society.

PO11 Project management and finance: An ability to use the modern engineering tools, techniques,

skills and management principles to do work as a member and leader in a team, to manage

projects in multidisciplinary environments.

PO12 Life-long learning: A recognition of the need for, and an ability to engage in, to resolve contemporary issues and acquire lifelong learning.

COLLEGE		SHRI	DEVI	INSTI	TUTE	OF EN	NGIN	EERIN	G & T	ECHNO	DLOGY				
FACULTY	NAM	E	V RAJ	ESH K	UMA	R									
BRAN	СН	T	F	EEE		A	CAD	EMIC Y	EAR		2020	-21			
COURSE	В.1	E	SEMESTER V SECTION								EEE				
SUBJECT	MICI	ROCO	NTRO	LLER				SUBJE	CT C	ODE	18E	52			
CO & PO M	APPIN	NG													
	PO1	PO1 PO2 I		PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12			
CO1	2	-	-	-	-			1 -			·	2			
CO2	2	2	-	-	2	1	-	-	-	-	-	2			
CO3	3	2	-	-	2	1 -	-	-	-	-	-	2			
CO4	3	2	-	-	-	1.		1	-	-	-	2			
CO5	3	3	-	-	-	1		1	-	-	-	2			
AVERAGE	2.6	1.8			2							2			

CO AND PO ATTAINMENT

PRINCIPAL SIET, TÜMÜKÜRÜ

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	42.64	0.85		90.									0.85
CO2	42.10	0.84	0.84			0.84							0.84
CO3	45.60	1.36	0.91		1	0.91							0.91
CO4	45.60	1.36	0.91										0.91
CO5	45.60	1.36	1.18										0.91
AVERAGE	44.30	1.48	1.48			0.91				12.6			0.88
					190			FINA	L AT	TAINM	IENT L	EVEL	1.18

G. H Ram

Head of the Department
Electrical & Electronics Engineering
Shridevi Institute of Engineering & Technology
TUMKUR-572106.

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PRINCIPAL SIET., TUMAKURU

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Academic yea		2020-21		SEM	1		-	Fotal stree	-4					V.RAJESH	KUMAR														
SEM:SSEC: EAR	LA	TEST IO	(M)	10000	-	1		The state of the state of	No.	19			bject		MICROCO!	NTROLLI	R	T	Soble	ret Code	1 100								
USN	C01	C02	TOTAL	C02	C03	Lyonia		TEST 3(3	And the second second second		ASSIGNI	EMENT/C	(UZ(10 M)		T	THE RESIDENCE AND ADDRESS OF THE PARTY OF TH	E MARKS	(0315	Sueje	Ci Code	The same of the sa	E52							T
15V18EE001	5.5	5.5	11	6.6	-	TOTAL	C04	CO5	TOTAL	COL	CO2	CO3	C04	C05	CO1-12	C02	CO3	C04		-		es ATTAI	NMENT		100	76 1	of individua	ico	_
15V19EE001	5.6	5.6	11.2	3.5	5.5	11	5.5	5.5	11	2	2	2	2	2	7	# 3	8.2	0.04	CO5	CO1=29	CO2=44	CO3=29	CO4=29	CO5+29	CO1	C02	C03	C04	COS
15V19EE002	5.3	5.3	10.6	5.6	5.6	11.2	5.6	5.6	11.2	2	2	2	2	2	4.8	6.6	6.6	8.2	8.2	14.5	21.2	15.7	15.7	15.7	50	48.18182	and the second second second second	54.13793	
15V19EE005	5.6	5.3	The state of the s	5.3	5.3	10.6	5.3	5.3	10.6	2	2	2	2	2	1.0			6.6	6.6	12.4	19.8	14.2	14.2	14.2	42.75862	45	48.96552	48.96552	
15V19EE006		3.3	10.9	5.3	5.3	10.6	5.3	5.3	10.6	2	2	2	2		6.4	8.6	8.6	8.6	8.6	9.1	21.2	15.9	15.9	15.9	31.37931	48.18182	and the second second		
15V19EE007	5.1	5.1	10.2	4.2	4.2	8.4	4.2	4.2	8.4	2	2	2	2	3	4.4			8	- 8	14	20.6	15.3	15.3	15.3	CONTRACTOR SERVICES	46.81818	D-1100E-1 212	54.82759	A CONTRACTOR OF THE PARTY OF TH
Section or section and section and section as a section of the sec	5.6	- 6	11.6	6	6	12	6	6	12	2	2	,	2			,	3	5	5	11.5	16.3	11.2	11.2	11.2	39.65517	37.04545	10001110000000	52.75862	
15V19EE008	5.5	5.5	11	4.5	4.5	9	4.5	4.5	9	2	2	,	1 1	-	7.2	6.2	6.2	6.2	6.2	14.8	20.2	14.2	14.2	14.2	Printer of the same and the same	45.90909		38.62069	
15V19EE009	5.6	4.3	9.9	4.3	4.3	8.6	4.3	4.3	8.6	2	3	2	1 5		4.4	6.4	6.4	6.4	6.4	11.9	18.4	12.9	17.9	12.9	The second second second	NAME AND ADDRESS OF THE OWNER, WHEN	48.96552		48.96552
15V19EE011	6	6.5	12.5	6.5	6.5	13	6.5	6.5	13	-			2	2	3.2	4.8	4.8	4.8	4.8	10.8	15.4	11.1	11.1	11.1	THE RESIDENCE AND ADDRESS OF THE PARTY OF TH	41.81818		44.48276	
15V19EE012	5.1	5	10.1	5	5	10	5	- 5	10	-		- 2	2	2	4.8	9.7	9.7	9.7	9.7	12.8	24.7	18.2	18.2	the second second	37.24138	. 35	38.27586	38.27586	38.27586
15V19EE013	5.5	5.5	11	3.8	3.8	7.6	3.8	3.8	7.6	•	- 2	- 2	2	- 2	3.4	7.6	7.6	7.6	7.6	10.5	19.6	14.6	14.6	18.2	44.13793	56.13636	62.75862	62.75862	62.75862
15V19EE014	5.	5	10	4.5	4.5	9	4.5	4.5	7.6	-	- 2	2	2	2	2.6	0	0	0	0	10.1	11.3	5.8	-	14.6		44.54545	50.34483	50.34483	50.34483
15V19EE016	5.3	3.6	9.1	3.8	3.6	7.6	3.8	3.8	7.6	- 1	2	2	2	2	8.0	0	0	0	0	7.8	11.5		5.8	5.8	34.82759	25.68182	20	20	20
15V19EE017	6	6	12	6.5	6.5	13	7.5		7.6	2	2	2	2	2	4.2	5	5	5	- 6	11.5	14.6	6.5	6.5	6.5	26.89655	26.13636	22.41179	22.41379	22.41379
15V19EE020	5.8	5.8	11.6	5.3	5.1	10.6	0.5	6.5	13	2	2	2	2	2	7	8.6	8.6	8.6	8.6	15		10.8	10.8	10.8	39.65517	33.18182	37.24138	37.24138	
15V20EE400	5	5	10	5.0	-		5.3	5.3	10.6	2	2	2	2	2	9	9	9	0.0	0.0		23.1	17.1	17.1	17.1	51.72414	52.5	58.96552	THE RESERVE AND ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE	58.96552
15V20EE401	5.3	5.3	10.6	5.3		10	3	5	10	2	2	2	2	2	6	6	- 6	-	- 7	16.8	22.1	16.3	16.3	16.3	57.93103	50.22727	56.2069	56.2069	56,2069
15V20EE402	4.6	4.6	9.2	The second second	5.3	10.6	5.3	5.3	10.6	2	2	2	2	2	2	7	7	- 0	- 6	13	18	13	13	13	44.82759	40.90909	44.82759	THE RESERVE AND ADDRESS OF THE PERSON NAMED IN	
15V20EE404	5.6	4.0	- Address - Addr	4.6	4.6	9.2	4.6	4.6	9.2	2	2	2	2	2	1	-		/	7	14.3	19.6	14.3	14.3	14.3	49.31034		CONTRACTOR SERVICE SANS		
**********	2.0	3.6	11.2	5.6	5.0	11.2	5.6	5.6	11.2	2	2	2	2	,	2	-	- 3	3	3	9.6	14.2	9.6	9.6		The second second	32.27273	33.10345	Minister Complete Laufe	Personal amounts in comme
									1000		71 11 1	71 (5)		7.		*	1	7	7	14.6	20.2	14.6	14.6		The Personal Property lies	CONTRACTOR OF STREET	50.34481	Contract or comments	33.10345
																				12.36842	18.52632	13.22632	13 22632					50 34483	50.34483
																							1		~2.04373	45.10376	42.00553	45 60799	45.60799

PRINCIPAL SIET., TUMAKURU

Head of the Department
Electrical & Electronics Engineering
Shridevi Institute of Engineering & Technology
TUMKUR-572106.

DEPARTMENT OF EEE

SUBJECT	POWER ELECTRONICS	SUBJECT CODE	18EE53	
	wan balle monies	SCHOLET CODE	100.00	

COURSE OUTCOME

CO1	To give an overview of applications power electronics, different types of power semiconductor devices their switching characteristics
CO2	To explain power diode characteristics, types, their operation and the effects of power diodes on RL circuits
соз	To explain the techniques for design and analysis of single phase diode rectifier circuits
CO4	To explain different power transistors, their steady state and switching characteristics and imitations.
CO5	To explain different types of Thyristors, their gate characteristics and gate control requirements.
	To explain the design, analysis techniques, performance parameters and characteristics of controlled rectifiers, DC- DC, DC -AC converters and Voltage controllers.

PROGRAM OUTCOME

PO1 Engineering knowledge: An ability to apply knowledge of mathematics (including probability,

statistics and discrete mathematics), science, and engineering for solving Engineering problems

and Knowledge.

PO2 Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3 Design / development of solutions: An ability to design solution for engineering problems and

design system components or process to meet desired specifications and needs.

PO4 Conduct investigations of complex Problem: An ability to identify, formulate, comprehend, analyze, design synthesis of the information to solve complex engineering problems and provide

valid conclusions.

PO5 Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling to complex engineering activities.

PO6 The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues.

PO7 Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need

for sustainable development.

PO8 Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms

Head of the Department
Electrical & Electronics Engineering
Shridevi Institute of Engineering & Technology
TUMKUR-572106.

PRINCIPAL SIET TIMAKURU

of the engineering practice.

PO9 Individual and team work: Function effectively as an individual, and as a member or leader in

diverse teams, and in multidisciplinary settings.

PO10 Communication: Communicate effectively on complex engineering activities with the engineering community and with the society.

PO11 Project management and finance: An ability to use the modern engineering tools, techniques,

skills and management principles to do work as a member and leader in a team, to manage

projects in multidisciplinary environments.

PO12 Life-long learning: A recognition of the need for, and an ability to engage in, to resolve contemporary issues and acquire lifelong learning.

COLLEGE		SHRI	DEVI	INSTI	TUTI	E OF E	NGIN	EERIN	G & T	ECHNO	DLOGY	(
FACULTY	Y NAM	IE	G H R	AVIK	UMA	R								
BRAN	NCH		I	EEE		A	CAD	EMIC Y	EAR	T	2020	-21		
COURSE	В.	E	SEM	ESTE	R	v		SECTIO	N		EEE	EE		
SUBJECT	POW	ER EI	LECT	ROINC	S			SUBJE	ст с	ODE	18E	71		
CO & PO M	APPIN	NG												
	POI	PO1 PO2 PO3 PO4 PO5					PO7	PO8	PO9	PO10	PO11	PO12		
COI	2	-	-/	-				-	-	-	-	2		
CO2	2	-	-	-		-		-	-	-		2		
C03	2	2	-			-		1	-	-	1.0	2		
CO4	2	2	-	-		1	-	-	-	· North	. :	-		
C05	2	2		-		-	-	-			-	-		
AVERAGE	2	2										2		
100000						OVE	RAL	L MAPI	PING (OF SUB	JECT	2		

G. H. R. A. Head of the Department

Head of the Department
Electrical & Electronics Engineering
Shridevi Institute of Engineering & Technology
TUMKUR-572106.

Magnuel wend

PRINCIPAL SIET., TUMAKURU

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	P09	PO10	POII	PO12
CO1	38.43	0.76											1012
CO2	25.33	0.83											0.76
CO3	38.43	0.76	0.76										0.76
CO4	38.43	0.76	0.76							_			0.76
CO5	38.43	0.76	0.76					-	-			-	
AVERAGE	35.81	0.77	0.76		-	-	-	-	-				0.74
											N.		0.76
	SPORTS.							FINA	L ATT	AINM	ENT LE	EVEL	0.76

Head of the Department
Electrical & Electronics Engineering
Shridevi Institute of Engineering & Technology
TUMKUR-572186.

PRINCIPAL SIET., TUMAKURU.

Academic year		2020-21		SEM	T .	1		Total strength 19 Subject POWER STREET																					
EMISSEC EAR	JA TEST I(J0M)		SEM		5		Total strength IA TEST 3(30M)				Sul	bject	P	OWER ELECTRONICS T				Codela	t Code		4144								
USN	The state of the s		-							ASSIGNEMENT / QUIZ(10 M)				SEE MARKS					i Code	18EE53									
THE RESERVE OF THE PARTY OF THE	CONTRACTOR AND ADDRESS OF THE PARTY OF THE P	C02	TOTAL	C02	CO3	TOTAL	C04	C05	TOTAL	COL	CO2	CO3	C04	COS	CO1=12	The second of th		Carlotte Commence of the Comme	William .		Personal Property and Property	05 ATTAIN	MENT	Laurence .		%:	of individua	CO	-
15V18EE001	4.8	4.8	9.6	4.8	4.8	9.6	4.8	4.8	9.6	2	2	2	2	2	5.6	5.6	CO3	C04	C05	CO1=29	C02~44	CO3~29	CO4=29	CO5=29	COI	CO2	C03	C04	C05
15V19EE001	5.8	5.8	11.6	5.8	5.8	11.6	5.8	5.8	11.6	2	2	2	2	,	1	3.6	5.6	5.6	5.6	12.4	12.4	12.4	12.4	12.4	42.75862	28.18182	42.75862	42.75862	
15V19EE002	4.5	4.5	9	4.5	4.5	9	4.5	4.5	9	2	2	2	2	,	1,6	1.0	1.6	1.6	1.6	9.4	9.4	9.4	9.4	9.4	32.41379	21.36364	32.41379	32.41379	10000
15V19EE005	5.6	5.6	11.2	5.6	5.6	11.2	5.6	5.6	11.2	2	2	2	2		4.2	4.2	4.2	4.2	4.2	10.7	10.7	10.7	10.7	10.7	36.89655	24.31818	36.89655	36.89655	16 8965
15V19EE006	4.1	4.1	10.2	4.1	4.1	8.2	41	4.1	8.2	2	2	2			4.2	4.2	4.2	4.2	4.2	11.8	11.8	11.8	11.8	11.8	40.68966	26.81818	40.68966	33986.06	40.6896
15V19EE007	5.3	5.3	10.6	5.3	5.3	10.6	5.3	5.3	10.6	2	3	1	-	-	4.8	4.8	4.8	4.8	4.8	10.9	10.9	10.9	10.9	10.9	37.58621	24.77273	37.58621	37.58621	and the second second
15V19EE008	4.5	4.5	9	4.5	4.5	9	4.5	4.5	9	,	2		2	- 4	4.4	4.4	4.4	4.4	4.4	11.7	11.7	11.7	11.7	11.7	40 34463	26.59091	40.34483	40.34483	37.5862
15V19EE009	4.8	4.8	9.6	4.8	4.8	9,6	4.8	4.8	9.6	-			- 2	- 1	4.2	4.2	4.2	4.2	4.2	10.7	10.7	10.7	10.7	10.7	36.89655	74.31818	36.89655	Charles Control of the Control of th	40 3448
15V19EE011	6.5	6.5	13	6.5	6.5	13	6.5	6.5	13			- 2	- 2	2	1.2	1.2	1.2	1.2	1.2	8	8	В	8	8	27 58621	18.18182	27.58621	36.89655	16.8965
15V19EE012	5	5	10	5	5	10	5	6	10		-	- 2	2	2	6.4	6.4	6.4	6.4	6.4	14.9	14.9	14.9	14.9	14.9	51 37931	33.86364	-	27 58621	27.5862
15V19EE013	4.3	4.3	8.6	4.3	4.3	8.6	4.3	4.3	8.6			2	2	2	2.2	2.2	2.2	2.2	2.2	9.2	9.2	9.2	9.2	9.2	31 72414	The second second	51.37931	51.37931	51 3793
15V19EE014	3.6	3.6	7.2	3.6	3.6	7.2	3.6	3.6			- 2	2	2	2	3.6	3.6	3.6	3.6	3.6	9.9	9.9	9.9	9.9	9.9	34 13793	20.90909	PETERSON SERVICE AND ADDRESS OF THE PETERSON AND ADDRESS OF THE PETERSON ADDRE	A STATE OF THE PARTY OF THE PAR	-
15V19EE016	5.5	5.5	11	5.5	5.5	11	5.5		7.2	- 2	2	2	2	2	2.2	2.2	2.2	2.2	2.2	7.8	7.8	7.8	7.8	7.8	The second second	22.5	34.13793	34.13793	TOTAL SERVICE
15V19EE017	6.5	6.5	13	6.5	6.5	13	6.5	5.5	11	- 2	2	2	2	2	3	3	3	3	3	10.5	10.5	10.5	10.5	The second	26.89655	17.72727	26.89655	26.89655	76.8965
15V19EE020	5.3	5.3	10.6	6.3	5.3		9.5	6.5	13	2	2	2	2	2	7.2	7.2	7.2	7.2	7.2	15.7	15.7	15.7	-	10.5	36.2069	23.86364	36.2069	36.2069	36.2069
15V20EE400	6	6	12	5.5	3.3	10.6	5.3	5.3	10.6	2	2	2	2	2	4.4	4.4	4.4	4.4	4.4	11.7	11.7	11.7	15.7	15.7	54 13791	35.68182	54.13793	54.13793	54.1379
15V20EE401	- 6		10	9	0	12	0	6	12	2	2	2	2	2	4.2	4.2	4.2	4.2	4.3	12.2			11.7	11.7	40.34483	26.59091	40.344B3	40.34483	40.3448
15V20EF402	5.6	5.6	-	3	3	10	5	5	10	2	2	2	2	2	5.2	5.2	5.2	5.2	6.2		12.2	12.2	12.2	12.2	42.06897	27.72727	42.06897	42.06897	42.0689
15V20EE404	4.3	4.3	11.7	5.6	5.6	11.2	5.6	5.6	11.2	2	2	2	2	2	2.8	2.8	2.8	2.8	3.2	12.2	12.2	12.2	12.2	12.2	42.06897	27.72727	42.06897	42.06897	42,0689
Livinitians	4.3	43	1.6	4.3	4.3	8.6	4.3	4.3	8.6	2	2	2	2	2	5.4	5.4	5.4	5.4	2.8	10.4	10.4	10.4	10.4	10.4	35.86207	23.63636	35.86207	35.86207	35.8620
		-				1			1				V. V.	100		3.4	3.4	2.4	5.4	11.7	11.7	11.7	11.7	11.7	40.34483	26.59091	40.34483	40.34483	40 3448
																				11.14737	11.14737	11.14737	11.14737	11.14737	38.4392	25.33493	38.4392	38.4392	18.4392

PRINCIPAL SIET., TUMAKURU

Head of the Department
Electrical & Electronics Engineering
Shridevi Institute of Engineering & Technology
TUMKUR-572108.



SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

SIRA ROAD, TUMKUR- 572 106.

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGG

SUBJECT	ELECTRICAL MACHINE DESIGN	SUBJECT CODE	18EE55

CO	URSE (DUTCOME
	CO1	Identify and list, limitations, modern trends in design, manufacturing of electrical machines and properties of materials used in the electrical machines.
	CO2	Derive the output equation of DC machine, discuss selection of specific loadings and magnetic circuits of DC machines, design the field windings of DC machine, and design stator and rotor circuits of a DC machine
	CO3	Derive the output equations of transformer, discuss selection of specific loadings, estimate the number of cooling tubes, no load current and leakage reactance of core type transformer
	CO4	Develop the output equation of induction motor, discuss selection of specific loadings and magnetic circuits of induction motor, design stator and rotor circuits of a induction motor.
	CO5	Formulate the output equation of alternator, design the field windings of Synchronous machine, discuss short circuit ratio and its effects on performance of synchronous machines, design salient pole and non-salient pole alternators for given specifications

PROGRAM OUTCOMES

- PO1 Engineering knowledge: An ability to apply knowledge of mathematics (including probability, statistics and discrete mathematics), science, and engineering for solving Engineering problems and Knowledge.
- PO2 Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- PO3 Design / development of solutions: An ability to design solution for engineering problems and design system components or process to meet desired specifications and needs.
- PO4 Conduct investigations of complex Problem: An ability to identify, formulate, comprehend, analyze, design synthesis of the information to solve complex engineering problems and provide valid conclusions.
- PO5 Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling to complex engineering activities.
- **PO6** The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues.
- PO7 Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- PO8 Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- PO9 Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- PO10 Communication: Communicate effectively on complex engineering activities with the engineering community and with the society.
- PO11 Project management and finance: An ability to use the modern engineering tools, techniques, skills and management principles to do work as a member and leader in a team, to manage projects in multidisciplinary environments.
- PO12 Life-long learning: A recognition of the need for, and an ability to engage in, to resolve contemporary issues and acquire lifelong learning.

Head of the Department

Bectrical & Electronics Engineering

Shridevi Institute of Engineering & Technology

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SUBJECT	ELEC	CTRIC	AL MA	ACHIN	E DES	SIGN	.	SUBJE	CCT C	ODE	18E	E55
CO & PO M	APPIN	G								-	1015	
	. PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
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. CO3	2	3	3	-	-	-						
CO4	2	3	3									
CO5	2	3	3		-	-	-					
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	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	POL
CO1	94.17	1.88	2.82								. 0.10	1011	1012
CO2	35.36	0.70	1.10	1.10									
. CO3	51.93	1.03	1.55	1.55	Thus,		(4.00m)						
CO4 ·	61.58	1.23	1.84	1.84									
CO5	61.58	1.23	1.84	1.84									
AVERAGE	60.92	1.21	1.83	1.58								Allega	
								FINA	LATI	AINM	ENT LI	EVEL	1.54

Head of the Department
Electrical & Electronics Engineering
Shridevi Institute of Engineering & Technology
TUMKUR-572106.

PRINCIPAL SIET., TUMAKURU.

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Contract of the Contract of th	COI	TOTAL	C01	CO3	TOTAL	C04	CO8	TOTAL	COL	CO2	COI	CO4	CO5	CO1=12	CO2	COJ	C04	COS	CO1-29	CO2=44	CO3-29	and the second second second	-		-	of individua	I CO	
15V18EE001	18	18	1	2	5	6.	7	13	2	2	2	2	2	5.2	5.2	5.2	5.2	5.2	25.2	and the second second	C-03=29	CO4=29	CO5-29	CO1	C02	CO3	CO4	CC
15V19EE001	0	0	10	10	20	14	14	28	2	2	2	2	2	4.2	4.2	4.2	4.2	-		10.2	9.2	13.2	14.2	86.89655	23.18182	31,72414	45.51724	48.96
15V19EE002	18	18	- 6	5	11	4	A		2	2	2	2	,	5.8	5.6	5.8		4.2	6.2	16.7	16.2	20.2	20.2	21.37931	36.81818	55.86207	69.65517	69.65
15V19EE005	15	15	3	. 1	6	7.	. 8	15	2	2	2	2	1	5.8	5.8	-	5.8	5.8	25.8	13.6	12.8	11.6	11.8	88.96552	31,36364	44.13793	40.68966	40.68
15V19EE006	5	5	- 5	5	10	7		15	2	2	2	2		6.6		5.8	5.8	5.8	22.8	10.8	10.8	14.8	15.8	78.62069	24.54545	37,24138	51.03448	
SV19EE007	30	30		. 8	16	13	-11	26	3	- 1		-		0.0	6.6	6.6	6.6	6.6	13.6	13.6	13.6	15.6	16.6	46.89655	30.90909	46.89655	51.7931	57.24
15V19EE008	15	15	4	4		7	- 6	15	2	-				5.2	5.2	52	5.2	10	37.2	15.2	15.2	20.2	25	128.2759	34.54545	52.41379	69.65517	86.20
SV19EE009	18	1.6	7		15	- 6	A	9	-	-			- 1	72	7.2	7.2	7.2	7.2	24.2	13.2	13.2	16.2	17.2	83.44828	30	45.51724	55.86207	
SV19EE011	24	24	14	14	28	14	15	29	-	-	-	- 1	- 2	2	- 2	2	2	2	22	11	12	9		75.86207	25	41.37931	31.03448	
SV19EE012	21	21	7		15	7	- 15			1	- 1	1	2	5.8	5.8	5.8	5.8	5.8	31.6	21.8	21.8	21.8	22.6	tech divide the designation	49.54545	75.17241	75.17241	
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13V19EE017	30	10	- 6	- 6	12	1	- 0	15	2	2	2	2		5.4	5.4	5.4	5.4	5.4	22.4	13.4	13.4	14.4	15.4		24040004	20.68966	10.34483	13.79
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15V19EE020	20	20	. 6	6	12	7	8	15	2	. 2	2	2	1	8.2	8.2	8.2	8.2	8.2	30.2	16.2		21.4	22.4	139 3103	53.18182	77,24138	73.7931	77.24
SV20EE400	22	27	7	. 1	14	8	9	17	2	2	2	2	2	6.4	6.4	64	6.4	6.4		and the second second second	16.2	17.2	18.7	104 1179	36.81818	55.86207	59.31034	62.75
1/V20EE401	20	20	7	1	15	1	. 0	1	2	2	2	2	2	4.8	4.8	4.8			30.4	15.4	15.4	16.4	17.4	104 8276	35	53.10345	56.55172	60
5V20EE402	0	0	10	9	19	13	34	27	2	2	,	2	-	42	-		4.8	4.8	26.8	13.8	14.8	7.8	6.6	92.41379	31.36364	51.03448	26.89655	23.44
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PRINCIPAL SIET. TUMAKURU

Head of the Department
Head of the Department
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SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY SIRA ROAD, TUMKUR- 572 106.

DEPARTMENT OF EEE

5 20-21

SUBJECT High Voltage Engineering	SUBJECT CODE	18EE56
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COURSE OUTCOME

- CO1. Explain conduction and breakdown phenomenon in gases, liquid dielectrics and breakdown Phenomenon in solid dielectrics.
- CO2. Summarize generation of high voltages and currents
- CO3. Outline measurement techniques for high voltages and currents
- CO4. Summarize overvoltage phenomenon and insulation coordination in electric power systems.
- CO5. Explain non-destructive testing of materials and electric apparatus, high-voltage testing of electric apparatus

PROGRAM OUTCOMES

- PO1 Engineering knowledge: An ability to apply knowledge of mathematics (including probability, statistics and discrete mathematics), science, and engineering for solving Engineering problems and Knowledge.
- PO2 Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- PO3 Design / development of solutions: An ability to design solution for engineering problems and design system components or process to meet desired specifications and needs.
- PO4 Conduct investigations of complex Problem: An ability to identify, formulate, comprehend, analyze, design synthesis of the information to solve complex engineering problems and provide valid conclusions.
- PO5 Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling to complex engineering activities.
- PO6 The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues.
- PO7 Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- PO8 Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- PO9 Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- PO10 Communication: Communicate effectively on complex engineering activities with the engineering community and with the society.
- PO11 Project management and finance: An ability to use the modern engineering tools, techniques, skills and management principles to do work as a member and leader in a team, to manage projects in multidisciplinary environments.
- PO12 Life-long learning: A recognition of the need for, and an ability to engage in, to resolve contemporary issues and acquire lifelong learning.

Head of the Department
Electrical & Electronics Engineering
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TUMKUR-572106

PRINCIPAL SIET., TUMAKURU.

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	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
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CO2	2	2	3	1	2						2	1
. CO3	2	3	3	2	1	TI AL					2	1
CO4	.2	2	2	2	2						2	1
CO5	2	3	3	1	1						2	1
AVERAGE	2	2.6	2.6	1.6	1.4						2	1

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
COI	58.01	1.2	1.7	1.2	1.2	0.6					1010	1.2	0.6
CO2	42.16	0.8	0.8	1.3	0.4	0.8						0.8	0.4
CO3	58.50	1.2	1.8	1.8	1.2	0.6						1.2	0.4
CO4	55.97	1.1	1.1	1.1	1.1	1.1					ENT EX SE	1.1	
CO5	54.08	1.1	1.6	1.6	0.5	0.5	1000					1.1	0.6
AVERAGE	53.74	1.075	1.416	1.384	0.882	0.734						1	0.5
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Head of the Department
Electrical & Electronics Engineering
Shridevi Institute of Engineering & Technology
TUMKUR-572106.

PRINCIPAL SIET., TUMAKURU.

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W17EE005	1	2	21	33	- 11	- 1	5	26	1.3	1	9 7	28	2	2	2	2	2 1	D	5.2	8.4	9.4	8.4	1 0	1 4	2 21.4	-	-	4 36.	4 27	62.9	89.	50.0	67.A	
w17EE009	1	1	20	31	10	- 1	7	27	. 9	- 1	7 2	26	2	2	2	2	2 1	0	5.4	5.6	5.6	5.6	6 5	1 2	9 20.6	1	6.6 16	6 29	6 23	60.6	46.1	41.1	54,8	
IVI PEEDIO	1	3	9	22	- 9	1	4	23		1	6 7	14	2	2	2	2	2 3	0	0.4	9.4	9.4	9.4	4 9	4 6	20.4	-	3.4 16	4 39.	4 27	4 60.0	68.	54.1	71.0	-
WINE400		9	12	21	7	1	8	25	10	1	6 7	26	2	2	2	2	4 1	101	2.4	2.0	5.0	5.1	8 5	2	9 14.5	3	2.8 19	# 30	8 19	8 43.5	67.	56.2	57.0	-
IVERETACE		7	15	22	12	1	2	24	. 11	1	2 2	23	2	7	2	4	2 1	10	5.6	66	6.6	6.0	6 6	6 3	3 16.6	. 2	5.6 19	6 34	6 24	6 48.8	75.	57.6	64.1	- 3
IV18EE403		8	17	25			6	27	10	1	6 .	26	2	2	3	4	4 4	10	54.4	54.4	54.4	54.4	4 54	4 27	2 159.	19	9.4 156	4 274	4 190	4 468.8	557.	460.0	508.1	- 56
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PRINCIPAL SIET., TUMAKURU.

Head of the Department
Electrical & Electronics Engineering
Shridevi Institute of Engineering & Technology
TUMKUR-572106.

DEPARTMENT OF EEE

SUBJECT POWER SYSTEM ANALYSIS -II SUBJECT CODE 17EE71

COURSE OUTCOME

CO1	Formulate network matrices and models for solving load flow problems.
CO2	Perform steady state power flow analysis of power systems using numerical iterative techniques.
CO3	Solve issues of economic load dispatch and unit commitment problems.
CO4	Analyze short circuit faults in power system networks using bus impedance matrix.
CO5	Apply Point by Point method and RungeKutta Method to solve Swing Equation

PROGRAM OUTCOME

PO1Engineering knowledge: An ability to apply knowledge of mathematics (including probability,

statistics and discrete mathematics), science, and engineering for solving Engineering problems and Knowledge.

PO2 Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3 Design / development of solutions: An ability to design solution for engineering problems and

design system components or process to meet desired specifications and needs.

PO4 Conduct investigations of complex Problem: An ability to identify, formulate, comprehend, analyze, design synthesis of the information to solve complex engineering problems and provide valid conclusions.

PO5 Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling to complex engineering activities.

PO6 The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues.

PO7 Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO8 Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms

of the engineering practice.

PO9 Individual and team work: Function effectively as an individual, and as a member or leader in

diverse teams, and in multidisciplinary settings.

Head of the Department
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PRINCIPAL SIET., TUMAKURU. PO10 Communication: Communicate effectively on complex engineering activities with the engineering community and with the society.

PO11 Project management and finance: An ability to use the modern engineering tools,

techniques, skills and management principles to do work as a member and leader in a team, to manage projects in multidisciplinary environments.

PO12 Life-long learning: A recognition of the need for, and an ability to engage in, to resolve contemporary issues and acquire lifelong learning.

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BRAN	СН		E	EE		A	CADE	MIC Y	EAR		2020-	21 .
COURSE	B.F		SEM	ESTER	2	VII	SI	ECTIO	N		EEE	
SUBJECT	POW	ER SY	STEM	ANA	LYSIS	S-II	!	SUBJE	CT CC	DDE	17EE	71
CO & PO M	APPIN	G										
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	3	3				-					
CO2	3	3					-					
CO3	3	3	-									2
CO4	2	3	-	-		1	-	1				
CO5	3	3	2									
AVERAGE	2.8	3	2	-	1		1		-			2
			支票			ov	ERAL	L MAI	PING	OF SU	BJECT	2.4!

Head of the Department
Electrical & Electronics Engineering
Shridevi Institute of Engineering & Technology
TUMKUR-572106

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	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	58	1.74	1.74										
CO2	87.3	2.61	2.61								*		
. соз	58	1.74	1.74										1.16
CO4	106.8	2.13	3.20										
CO5	94.2	2.82	2.82	1.88									
AVERAGE	80.86	2.20	2.42	1.88					FRE	N. I			1.16
								FIN.	AL AT	TAIN	MENT I	EVEL	1.91

Head of the Department
Electrical & Electronics Engineering
Shridevi Institute of Engineering & Technology
TUMKUR-572196.

PRINCIPAL SIET., TUMAKURU

SEM: VII, EEE	IA TEST	1		IA TES	T 2		IA TES	Г3		Assign	ment					SEE								TOTAL					Averag	e	
USN	CO1	CO2	TOTAL	CO3	CO4	TOTAL	CO4	CO5	-	CO1	CO2	соз	CO4	COS	TOTAL	CO1	CO2	CO3	CO4	COS	TOTAL	CO1	CO2	CO3	CO4	COS	CO1	CO2	CO3	CO4	CO5
1sv17EE002	10	19	29	10	20	30	10	21	31	2	2	2	2	2	10	4.2	4.2	4.2	4.2	4.2	21	16.2	25.2	16.2	36.2	27.2	0.56	0.87	0.56	1.06	0.94
1sv17EE004	10	19	29	10	20	30	10	21	- 31	2	2	2	2	2	10	4.2	4.2	4.2	4.2	4.2	21	16.2	25.2	16:2	36.2	27.2	0.56	0.87	0.56	1.06	0.94
1sv17EE005	10	19	29	10	20	30	10	21	31	2	2	2	2	2	10	4.2	4.2	4.2	4.2	4.2	21	16.2	25.2	16.2	36.2	27.2	0.56	0.87	0.56	1.06	0.94
1sv17EE009	10	19	29	10	20	30	10	21	31	2	2	2	2	2	10	7.8	7.8	7.8	7.8	7.8	39	19.8	28.8	19.8	39.8	30.8	0.68	0.99	0.68	1.17	1.06
1sv17EE010	10	19	29	10	20	30	10	21	31	2	2	2	2	2	10	5	5	5	5	5	25	17	26	17	37	28	0.59	0.90	0.59	1.09	0.97
1sv18EE400	10	17	27	10	18	28	10	19	29	2	2	2	2	2	10	4.2	4.2	4.2	4.2	4.2	21	16.2	23.2	16.2	34.2	25.2	0.56	0.80	0.56	1.01	0.87
1sv18EE402	10	17	27	10	18	28	10	19	29	2	2	2	2	2	10	4.8	4.8	4.8	4.8	4.8	24	16.8	23.8	16.8	34.8	25.8	0.58	0.82	0.58	1.02	0.89
1sv18EE403	10	19	29	10	20	30	10	21	31	2	2	2	2	2	10	4.2	4.2	4.2	4.2	4.2	21	16.2	25.2	16.2	36.2	27.2	0.56	0.87	0.56	1.06	0.94
TOTAL	80	148	228	80	156	236	80	164	244	16	16	16	16	16	80	38.6	38.6	38.6	38.6	38.6	193	134.6	202.6	134.6	290.6	218.6	4.64	6.99	4.64	8.55	7.54
Total student	8	8	R	R	8	8	8	8	8	8	8	8	8	R	8	8	8	8	8	8	8	8	8	8	8	8	8.00	8.00	8.00	8.00	8.00
Average	10	18.5	28.5	10	19.5	29.5	10	20.5	30.5	2	2	2	2	2	10	4,83	4.83	4.83	4.83	4.83	24.13	16.83	25.33	16.83	36.33	27.33	58.02	87.33	58.02	106.84	94.22

2020-21 PSA 2 17EE71

Drunder Commy the

Head of the Department
& Electronics Engineering
Ite of Engineering & Technology
THAKELIS STRANG

DEPARTMENT OF EEE

SUBJECT	POWER SYSTEM PROTECTION	SUBJECT CODE	17EE72

COURSE OUTCOME

CO1	Discuss performance of protective relays, components of protection scheme and relay terminology over current protection
CO2	Explain the working of distance relays and the effects of arc resistance, power swings, line length and source impedance on performance of distance relays.
CO3	Discuss pilot protection, construction, operating principles and performance of differential relays and discuss protection of generators, motors, transformer and Bus Zone Protection.
CO4	Explain the construction and operation of different types of circuit breakers.
CO5	Outline features of fuse, causes of over voltages and its protection, also modern trends in Power System Protection

PROGRAM OUTCOME

P01 Engineering knowledge: An ability to apply knowledge of mathematics (including probability,

statistics and discrete mathematics), science, and engineering for solving Engineering

and Knowledge.

PO2 Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3 Design / development of solutions: An ability to design solution for engineering problems and

design system components or process to meet desired specifications and needs.

PO4 Conduct investigations of complex Problem: An ability to identify, formulate, comprehend, analyze, design synthesis of the information to solve complex engineering problems and provide

valid conclusions.

PO5 Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling to complex engineering

PO6 The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues.

PO7 Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need

for sustainable development.

PO8 Ethics: Apply ethical principles and commit to professional ethics and responsibilities and

of the engineering practice.

Head of the Department Electrical & Electronics Engineering Shridevi Institute of Engineering & Technology TUMKUR-572106.

SIET., TUMAKURU.

PO9 Individual and team work: Function effectively as an individual, and as a member or leader

diverse teams, and in multidisciplinary settings.

PO10 Communication: Communicate effectively on complex engineering activities with the engineering community and with the society.

PO11 Project management and finance: An ability to use the modern engineering tools,

skills and management principles to do work as a member and leader in a team, to manage

projects in multidisciplinary environments.

PO12 Life-long learning: A recognition of the need for, and an ability to engage in, to resolve contemporary issues and acquire lifelong learning.

COLLEG	E	SHE	RIDEV	INST	TTUT	E OF I	ENGI	NEERI	NG &	FECUN	101.00	
FACUL	TY NA	ME		JESH						LECHN	OLOG	Y
BRA	ANCH			EEE		-	ACAD	ЕМІС	YEAR	T	202	0-21
COURSE	В	.E	SEN	1ESTE	R	VII	T	SECTION	ON		EEE	0-21
SUBJECT	P	OWER	SYST	EM P	ROTE	CTIO	N	SUBJE	ECT C	ODE		E72
CO & PO !	MAPPI	NG										
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	POII	POI
CO1	3		- 1				-	-	-	-	-	-
CO2	2	2	-	-	-	2			-	-		
CO3	3	-	-	-		2			-			•
CO4	3		-			2	-					
C05	2	2	-	-	_				•		-	-
						2	2	-		- 1	-	2
VERAGE	2.62	2	-	-	-	2	2		-			2
											+	2.12

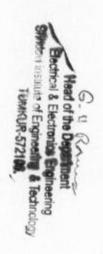
G. H Rome Head of the Department Electrical & Electronics Engineering Shridevi Institute of Engineering & Technology TUMKUR-572106.

PRINCIPAL

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	63.4	1.90											
CO2	85.9	1.71	1.71				1.71						
CO3	63.4	1.9			-		1.26						
CO4	105.6	3.16					2.11						
CO5	92.8	1.85	1.85				1.85	1.85					1.85
AVERAGE	82.22	2.1	1.78				1.73	1.85					1.85
			THE ST					FINA	AL AT	TAIN	MENT I	EVEL	1.86

Head of the Department
Electrical & Electronics Engineering
Shridevi Institute of Engineering & Technology
TUMKUR-572106.

Danne Jampeter
PRINCIPAL
SIET. TUMAKURU.



T. WILL CEE	IA TEST 1			IA TEST 2		T	WATERT B			Technical		_	-	-		200														
	103	cox	TOTAL	CO3	CO4	TOTAL	1004	COOK.	The state of the s	Assenna	11	-	1			SEL			T	1	1	-		4444						
17EF002	10)	5	25 1	0 9	6	T.C.	5.03	TOTAL	CDI	1002	CO3	CD4	cos	TOTAL	(0)	CD2	lear.	COL	Total Control	-			TOTAL				Average		
11004	10	1	4	28 10	0 1		1	17	1	7		1		2	2 11	7	6 71	1 1	104	1009	TOTAL	CO1 (m/ ler	21 00	4 (0	05 00	1 1000	Icos	Tons	Terri
E005	10	1	9	29 10	0 3	-	1 1	70	-	0 2		- 2		2	2 10		7			5 7.6	- 20	1000	24.6	19.6	35.6	26.6	0.676	548 0.67	104	CO5
1009	-10		7	22 16	0 1		1 18	21	-	1 2	1	1		2	2 10		8 8.1		1	4	35	- 17	77	19	38	29		931 0.65	1.047	
6010	10	1	y	2 20	1 1		10	19	- 2	9 /	1	. 3)	10	4	2 4	1	- 1	8.8	- 44	20.8	29.8	20.8	40.6	31.8	0.712	028 0.71	-	-
£400	10		5	5 50	1		10	19	- 2	9 2	1			2	20	2	4 74	7.0		4.2	21	16.2	23.2	36.2	34.2	25.2	0.558 7	800 0.556	1.200	4
E402	10			6 10		2	10	17	- 2	7 2	1	2			10	1	5 5 7	1		7.4	37	19.4	26.4	19.4	32.4	28.4	0.664 0	The second second	2.000	4
FAUL	10		5	5 10	0 19		10	18	- 2	8 2	2	2		1	10	1	54	1	- 11	5.8	29	17.8	22.8	17.8	33.8	24.8		786 0.614		0
	80	11	21	1 40	140	- 0	10	17	- 2	7 2	2	2	1		10			3.5	- 1	5.4	27	37.4	23.4	17.4	34.4	25.4				-
udents	6	1	1		14	270	80	148	22	R 16	16	16	16	. 16	90	51	512	44.7	-	1	25	17	221	17	33	24		259 0.586	The second second	-
ė	16	26.	26	1 30	111						- 1		1				1112	312	51.	51.2	256	147.2	199.2	147.2	287.2	215.2 51	The second living the second living			1
	-		-1 -20	7 20	17.5	1111	1 10	18.5	28.	3	2		1		10	- 6	1	1	1	- A	8	8		8	8		4	-075862	8.447059	7.4
														-	1 10	1 0	0.4	6.4	6.4	6.4	32	18.4	24.6	18.4	35.9	26.9	614	59 634		4

2020-21

PSP 17EE72

V. Rajesh Kumar

Dander J. Smarphine PRINCIPAL SIET., TUMAKURU.



SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

SIRA ROAD, TUMKUR- 572 106.

DEPARTMENT OF EEE

7 20-21

SUBJECT

High Voltage Engineering

SUBJECT CODE

17EE73

COURSE OUTCOME

- CO1. Explain conduction and breakdown phenomenon in gases, liquid dielectrics and breakdown Phenomenon in solid dielectrics.
- CO2. Summarize generation of high voltages and currents
- CO3. Outline measurement techniques for high voltages and currents
- CO4. Summarize overvoltage phenomenon and insulation coordination in electric power systems.
- CO5. Explain non-destructive testing of materials and electric apparatus, high-voltage testing of electric apparatus

PROGRAM OUTCOMES

- PO1 Engineering knowledge: An ability to apply knowledge of mathematics (including probability, statistics and discrete mathematics), science, and engineering for solving Engineering problems and Knowledge.
- PO2 Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- PO3 Design / development of solutions: An ability to design solution for engineering problems and design system components or process to meet desired specifications and needs.
- PO4 Conduct investigations of complex Problem: An ability to identify, formulate, comprehend, analyze, design synthesis of the information to solve complex engineering problems and provide valid conclusions.
- PO5 Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling to complex engineering activities.
- PO6 The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues.
- PO7 Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- PO8 Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- PO9 Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- PO10 Communication: Communicate effectively on complex engineering activities with the engineering community and with the society.
- PO11 Project management and finance: An ability to use the modern engineering tools, techniques, skills and management principles to do work as a member and leader in a team, to manage projects in multidisciplinary environments.
- PO12 Life-long learning: A recognition of the need for, and an ability to engage in, to resolve contemporary issues and acquire lifelong learning.

Grad of the Department

Electrical & Electronics Engineering Shridevi Institute of Engineering & Technology TUMKUR-572106. Manuel mens

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FACULT	Y NAN	AE	MRS.	SHWE	THA	ΓM		0.36				
BRA	NCH			EEE		A	CAD	EMIC Y	YEAR	Ť	2020)-21
COURSE	B.	E	SEM	IESTE	R	VII	1 . 5	SECTIO	ON .			
SUBJECT		Hig	gh Volt	age En	gineer	ing	-	SUBJE	CT C	ODE	17E	E73
CO & PO M	IAPPI	NG										
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	3	2	2	1						2	1
CO2	. 2	2	3	1	2			1			2	1
CO3 .	2	3	3	2	1						2	
CO4	2	2	2	2	2			- Control				1
CO5	2	3,	3	1	1				Editor.		2	1
AVERAGE	2	2.6	2.6	1.6	1.4			100000			2	1
	10 10			8138	1.7					.		1
10 新00 美	A PARKET					OVE	RALL	MAPP	ING C	F SUB.	JECT	1.88

	C0%	PO1	PO2	PO3	PO4	PO5	P06	PO7	PO8	PO9	PO10	PO11	.P012
CO1	58.6	1.172	1.758	1.172	1.172	0.586						1.172	0.586
CO2	69.6	1.392	1.392	2.088	0.696	1.392						1.392	0.696
CO3	57.5	1.15	1.725	1.725	1.15	0.575						1.15	0.575
CO4	63.5	1.27	1.27	1.27	1.27	1.27						1.27	0.635
-CO5	70.0	1.4	2.1	2.1	0.7	0.7						1.4	
AVERAGE	63.84	1.2768	1.649	1.671	0.9976	0.9046							0.7
				15 Z 1		#-(27) 8 (8)		FINA	L ATI	AINM	ENT L	1.2768 EVEL	1.202

Head of the Department
Electrical & Electronics Engineering
Shridevi Institute of Engineering & Technology
TUMKUR-572106.

PRINCIPAL SIET. TUMAKURU.

9856-3 XXX		IA TEST I			IA TEST 2			IA TEST I		100	15-7-9-1	Anny	nment	1000			120017	SEE HIVE 2	020-2021	400000	11.000	- Comment		Total	Charles Land	and the second			Average		
USN	C01	0.002	TOTAL	(10)	C04	TOTAL	CO4	4008	TOTAL.	cor	cor	C03	0.04	C105	TOTAL	cot	CO2	CO3	.004	C05	TOTAL	CO1(34)	CC2[34]	(03(34)	CO4(54)	CO5(34)	CO1(34)	C02(34)	CO38345	CD4(54)	575(34)
15V17EE006	11	34	25	12	15	27	11	18	29	2	2	1	5	2	10	4.8	4.8	4.8	4.8	4.8	24	17.8	20.8	18.8	32.6	24.8	52	61	55	61	78
15V17EE012	11	9	20	13	11	24	12	16	28	2	2	2	2	2	10	4.2	4.2	4.2	4.2	4.2	21	17.2	15.2	19.2	29.2	22.2	51	45	56	54	95
15V18EE002	12	4	16	14	5.	19	14	5	19	2	2	2	2	2	10	5.4	5.4	5.4	5.4	5.4	27	19.4	11.4	21.4	26.4	12.4	57	34	61	49	. 36
15V18EE003	13	11	24	15	13	28	13	16	29	2	2	2	2	2	10	5.2	5.2	5.2	5.2	5.2	26	20.2	18.7	22.2	33.2	23.2	59	54	- 65	61	- 58
15V18EE004	14	3	1.7	12	11	23	15	-11	26	2	2	2	2	2	10	6.4	6.4	6.4	6.4	6.4	3.2	22.4	11.4	20.4	34.4	19.4	66	34	60	-64	3.7
15V18EE005	12	-1	11	13	6	19	14	1	15	2	2	2	2	2	10	5.4	5.4	5.4	5.4	5.4	27	19.4	6.4	20.4	27.4	5.4	57	19	60	51	.25
15V18EE006	13	31	24	14	11	25	12	17	29	2	2	2	2	2	10	9.	9	9	9	9	45	24	22	25	34	28	71	65	76	- 62	- 82
15V18EE007	14	5	19	17	4	16	14	5	19	2	2	1	1	2	10	4.4	4.4	AA	4.4	4.4	22	20.4	11.4	18.4	24.4	11.4	60	. 14	34	-45	34
15V18EE006	12	- 6	18	13	7	20	12	10	22	2	2	2	2	2	10	4.2	4.2	4.2	4.2	4.7	21	18.2	12.2	19.2	25.2	16.2	54	.36	.36	47	-41
15V18EE009	12	4	16	14	- 5	19	15	4	19	2	2	- 2	2	2	10	0	0	0	0	.0	0	34	- 6	16 .	22	6	41	18	.47	41	18
15V18EEDL3	13	11	24	12	16	2.8	13	7	20	2	2	2	2	2	50	6.4	5.4	6.4	6.4	6.4	32	21.4	19.4	20.4	37.4	15.4	63	57	60	69	17
15V186E012	10	2	12	13	4	17	14	5	19	7	2	2	- 7	- 2	10	1.2	3.2	3.7	3.2	3.2	16	15.2	7.2	10.2	23.2	10.2	45	21	54	43	- 2
19V19EE400	14	9	23	- 11	13	24	14	11	25	2	2	2	2	2	10	5.2	5.2	5.2	5.2	5.2	26	21.2	16.2	18.2	34.2	18.2	62	48	-54	61	34
15V19EE401	12	11	2.5	10	15	25	12	18	30	2	2	2	2	2	10	4.8	4.6	4.8	4.8	4.8	24	18.8	17.8	16.E	33.8	24.8	55	52	49	63	- 72
15V19EE402	1.4		17	14	9	23	19	13	26	2	2	2	2	2	10	5	- 5	- 1	- 5	- 5	25	25	10	21	29	20	62	29	67	54	- 51
15V19EE403	1.2	12	24	12	16	28	14	15	29	2	2	2	2	1	10	4.6	4.6	4.6	4.6	4.6	23	18.6	18.6	18.6	36.6	21.6	55	55	55	68	- 14
15V19EE404	1.3	7	20	12	12	24	12	16	28	2	2	2	2	2	10	4.4	4.4	4.4	4.4	4,4	22	19.4	13.4	18.4	30.4	22.4	57	39	34	- 56	- 10
15V19EE405	15	9	24	14	- 6	20	13	15	28	2	2	2	2	2	10	9.4	9.4	9.4	9.4	9.4	4.7	26.4	20.A	25.4	30.4	26.4	70	60	175	36	70.0
OTAL	227	130	357	230	179	409	237	209	440	36	36	2	36	36	180	90	92	92	10	97	460	355	258	258	544	391	1044.118	758.8235	1052.941	1007.407	471.0294
Total students	18	18	18	18	18	18	18	18	18	18	18	2	18	18	18	16	18	18	1.07	18	18	18	18	10 10000	16	18 20000	18 18 01	18	58.50	55.97	54.08
Avearge	12:61111	7.222222	19.63333	12.77778	9.944444	22.72222	13.16667	11.27778	24.44444	18	2	2	2	2	10	5.11111111	[5.111111	5.111111	5.111111	5.111111	25.55556	19.722222	14.3333333	19.88889	30.22222	18.38889	58.05	42.16	58.50	55.91	54.09

180156 HVE 2020-2021

PRINCIPAL PRINCIPAL SIET, TUMAKURU

Head of the Department
Electrical & Electronics Engineering
Shridevi Institute of Engineering & Technology
TUMKUR-572198.

DEPARTMENT OF EEE

SUBJECT	UTILIZATION OF ELECTRICAL POWER	SUBJECT CODE	17EE742
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COURSE OUTCOME

CO1	Discuss different methods of electric heating & welding.
CO2	Discuss the laws of electrolysis, extraction, refining of metals and electro deposition process.
CO3	Discuss the laws of illumination, different types of lamps, lighting schemes and design of lighting systems.
CO4	Analyze systems of electric traction, speed time curves and mechanics of train movement.
CO5	Explain the motors used for electric traction, their control & braking and power supply system used for electric traction

PROGRAM OUTCOME

PO1Engineering knowledge: An ability to apply knowledge of mathematics (including probability,

statistics and discrete mathematics), science, and engineering for solving Engineering problems and Knowledge.

PO2 Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3 Design / development of solutions: An ability to design solution for engineering problems and

design system components or process to meet desired specifications and needs.

PO4 Conduct investigations of complex Problem: An ability to identify, formulate, comprehend, analyze, design synthesis of the information to solve complex engineering problems and provide valid conclusions.

PO5 Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling to complex engineering activities.

PO6 The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues.

PO7 Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

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Head of the Department
Electrical & Electronics Engineering
Shridevi Institute of Engineering & Technology
TUMKUR-572106

PRINCIPAL SIET. TUMAKURU. PO11 Project management and finance: An ability to use the modern engineering tools, techniques,

skills and management principles to do work as a member and leader in a team, to manage projects in multidisciplinary environments.

PO12 Life-long learning: A recognition of the need for, and an ability to engage in, to resolve contemporary issues and acquire lifelong learning.

COLLEGE		SHR	IDEVI	INSTI	TUTE	OFE	NGIN	EERIN	G & T	ECHNO	OLOGY	l
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BRAN	NCH		1	EEE		A	CAD	EMIC Y	EAR		2021	22
COURSE	В.	E	SEM	ESTE	R	VII	S	SECTIO	N		EEE	TIE:
SUBJECT	UTIL		ON OF	ELEC	TRICA	AL.		SUBJE	CT C	ODE	17EE	742 .
CO & PO M	APPIN	NG										
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	3	2				-	-	"			-
CO2	2	3	3	3	-	-		1			-	3
CO3	2	3	2		-			-	1			
CO4	2	3		•	-	-			•			
CO5	2	3		Section of the sectio		1			-	-		3
AVERAGE	2	3	2.3					Manufacture of the same of the				3
		741		李 泽和		OVE	RALI	L MAPI	PING (OF SUB	JECT	2.575

Head of the Department
Electrical & Electronics Engineering
Shridevi Institute of Engineering & Technology
TUMKUR-572106.

PRINCIPAL SIET, TUMAKURU

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	60.26	1.20	1.80	1.20		1							
. CO2	80.95	1.61	2.42	2.42	2.42								2.42
CO3	60.26	1.20	1.80	1.20				*					
CO4	101.40	2.02	3.04										
CO5	87.84	1.75	2.63										2.63
AVERAGE	78.14	1.55	2.33	1.60	2.42			MASS					2.52
								FINA	L AT	ΓAINN	MENT L	EVEL	8.404

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TUMKUR-572106.

PRINCIPAL SIET. TUMAKURU.

SEM: V, EEE		IA TEST	1		IA TEST	2		A TEST																							
USN	CO1	CO2	TOTAL		CO4	Inchi	CO4	1	TOTAL	CO4	Icon	_	gnment	_	_			5	EE	m -		1		TOTAL				_			
1sv17EE002	10	14	24	10	15	30	_	-	-	COI	CO2	CO3	CO4	CO5	TOTAL	CO1	CO2	CO3	CO4	COS	TOTAL	CO1	CO2	_	-	1	-	_	Avera	ge	
1sv17EE004	10	10	20		_	25	10	16	26	2	2	2	2	2	10	4.4	4.4	4.4	-	-	-	-	CO2	CO3	CO4	CO5	CO1	CO2	CO3	CO4	COS
THE RESERVE OF THE PERSON NAMED IN	10	18	28	10	19	29	10	20	30	2	2	1 3	1 2	1 2	10		_	4.4	4.4	4.4	22	16.4	20.4	16.4	31.4	22.4	0.57	0.70	0.57	0.92	0.7
sv17EE005	10	18	28	10	19	29	10	20	30	-	-	-	-	1	10	6.2	6.2	6.2	6.2	6.2	31	18.2	26.2	18.2	37.2	28.2	-	The second	-	The Contract of the Contract o	-
sv17EE009	10	18	28	10	19	29	10	-	-	-	- 2	2	2	2	10	7.2	7.2	7.2	7.2	7.2	36	19.2	27.2	Total State of Concession,	-	-	0.63	0.90	0.63	1.09	0.9
sv17EE010	10	18	20	-	The same of the sa		10	20	30	2	2	2	2	2	10	4.2	4.2	4.2	4.3	4.3	-	-		19.2	38.2	29.2	0.66	0.94	0.66	1.12	1.0
sv18EE400	-	_	28	10	19	29	10	20	30	2	2	2	2	. 2	10	-	712	4.2	4.2	4.2	21	16.2	24.2	16.2	35.2	26.2	0.56	0.83	0.56	1.04	0.90
	10	15	25	10	16	26	10	17	27	2	2	2	1 2	-	40	- 6	- 6	6	- 6	6	30	18	26	18	37	28	0.62	0.90		-	
5V18EE402	10	14	24	10	15	25	10	16			-	- 4	1	2	10	6	6	6	6	6	30	18	23	18	34	_	-	0.10.0	0.62	1.09	0.97
5V18EE403	10	13	22	10	**	-		-	26	2	2	2	2	2	10	4.4	4.4	4.4	4.4	4.4	22		_	-	-	25	0.62	0.79	0.62	1.00	0.86
OTAL	00	120	200	10	14	24	10	15	25	2	2	2	2	2	10	5.4	5.4	2.4	4.4	4.4	_	16.4	20.4	16.4	31.4	22.4	0.57	0.70	0.57	0.92	0.77
The second second	80	128	208	80	136	216	80	144	224	16	16	16	16	10	-	-	-	5.4	5.4	5.4	27	17.4	20.4	17.4	31.4	22.4	0.60	0.70	0.60	0.92	
otal students	8	8	8	8	8	8	9	0	0		20	10	16	16	80	43.8	43.8	43.8	43.8	43.8	219	139.8	187.8	139.8	275.8	203.8	-				0.77
verage	10	16	26	10	17	22	- 40		0	- 6	8	8	8	8	8	8	8	8	8	8	9	0	0	0	273.8	£U3.8	4.82	6.48	4.82	8.11	7.03
		2.0	20	10	1/	21	10	18	28	2	2	2	2	2	10	5.475	5.475	5.476	E ATE	E 476	27.27	0	d	- 8	- 8	- 8	8.00	8.00	8.00	8.00	8.00
								1 - 1					-	_	20	2.413	3.473	3.4/5	5.475	5.475	27.375	17.48	23.48	17.48	34.48	25.48	60.26	80.95	en 20		

2020-21

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Head of the Department
Bectrical & Electronics Engineering
Shridevi Institute of Engineering & Technology
TUMKUR-572106.

DEPARTMENT OF EEE

SUBJECT	TESTING & COMMISSIONING OF POWER SYSTEM EQUIPMENTS	SUBJECT CODE	17EE752
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COURSE OUTCOME

CO1	Describe the process to plan, to control and implement commissioning of electrical equipments
CO2	Differentiate the performance specifications of transformer and induction motors
CO3	Demonstrate the routine tests for synchronous machines, transformer and induction motors and switchgears
CO4	Describe the corrective and preventive maintenance of electrical equipments
CO5	Explain the operation of an electrical equipments such as isolators, circuit breakers, induction motors

PROGRAM OUTCOME

- PO1 Engineering knowledge: An ability to apply knowledge of mathematics (including probability, statistics and discrete mathematics), science, and engineering for solving Engineering problems and Knowledge.
- PO2 Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- PO3 Design / development of solutions: An ability to design solution for engineering problems and design system components or process to meet desired specifications and needs.
- PO4 Conduct investigations of complex Problem: An ability to identify, formulate, comprehend, analyze, design synthesis of the information to solve complex engineering problems and provide valid conclusions.
- PO5 Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling to complex engineering activities.
- PO6 The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues.
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Head of the Department
Electrical & Electronics Engineering
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PRINCIPAL SIET., TUMAKURU.

FACULT	Y NAN	TE	UMAE	BAI								
BRAN	NCH		1	EEE		A	CAD	EMIC '	YEAR	T	2020-	2021
COURSE	B.	E	SEM	ESTE	R	VII	S	SECTIO	ON			
SUBJECT	T	ESTIN POWE	G & CO R SYST	OMMIS EM E(SIONI	NG.OI ENTS	1	SUBJE	CT C	ODE	18EE	752
CO & PO M												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	2	1			2	2	2	1	1		1
CO2	3	2	1			2	2	2	1	1		1
CO3	3	2	1	163		2	2	2	1	1		1
CO4	3	2	1			2	2	2	1	1		1
CO5	3	2	1 .			2	2	2	1	1		1
AVERAGE	3	2	1			ż	2	2	1.	1		1

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	69.9	2.09	1.39	0.69			1.39	1.39	1.39	0.69	0.69	Side 12	
-CO2	28.96	0.86	0.579	0.28			0.579	0.579	0.579		0.09	2.19	0.69
CO3	66.89	• • • •	PS PROPERTY.	B-01-69	7.5					0.28	0.28		0.28
COS		2.00	1.33	0.66			1.33	1.33	1.33	0.66	0.66		0.66
· CO4	46.36	1.39	0.92	0.46			0.92	0.92	0.92	0.46	0.46		0.46
CO5	82.41	2.47	1.64	0.82	EX.	HUH	1.64	1.64					0.40
AVERAGE	58.9	2.93	1.17	0.58			1.04	ELSTY.	1.64	0.82	0.82		0.82
AVERAGE	38.9			0.50			1.17	1.17	1.17	0.58	0.58		0.58
	對印度							FINA	LAT	TAINM	IENT LI	EVEL	1.10

Head of the Department
Electrical & Electronics Engineering
Shridevi Institute of Engineering & Technology
TUMKUR-572106.

PRINCIPAL SIET., TUMAKURU

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SEM: V, EEE	1/	A TEST	1	1	A TEST	2		IA TES	T 3		- 1	Assign	nmer	nt				5	EE		+11			TOTAL	L				Average		
USN	CO1	CO2	TOTA	CO3	CO4	TOTA	CO4	CO5	TOTA	CO1	co:	CO3	CO4	CO5	TOTA	CO1	CO2	CO3	CO4	CO5	TOTA	CO1	CO2	CO3	CO4	COS	CO1	CO2	CO3	CO4	COS
1sv17EE002	12	15	27	11	17	28	14	12	26	2	2	2	2	2	10	7.6	7.6	7.6	7.6	7.6	38	21.6	9.6	20.6	23.6	21.6	0.745	0.331	0.710		
1sv17EE004	14	16	30	14	15	29	12	18	30	2	2	2	2	2	10	7.4	7.4	7.4	7.4	7.4	37	23.4	9.4	23.4	21.4	27.4	0.807	0.324	0.807	0.486	-
1sv17EE005	11	19	30	13	16	29	11	19	30	2	2	2	2	2	10	6.4	6.4	6.4	6.4	6.4	32	19.4	8.4	21.4	19.4	27.4	0.669	0.290	0.738		-
1sv17EE009	10	20	30	12	17	29	13	17	30	2	2	2	2	2	10	5.8	5.8	5.8	5.8	5.8	29	17.8	7.8	19.8	20.8	24.8	0.614	0.269	0.683		
1sv17EE010	12	13	25	11	12	23	14	11	25	2	2	2	2	2	10	7	7	7	7	7	35	21	9	20	23	20	0.724	0.310	0.690	0.523	
1sv18EE400	13	11	24	9	14	23	11	14	25	.2	2	2	2	2	10	6.6	6.6	6.6	6.6	6.6	33	21.6	8.6	17.6	19.6	22.6	0.745	0.297	0.607	0.445	
1sv18EE402	14	10	24	7	19	26	10	16	26	2	2	2	2	2	10	5	5	5	5	5	25	21	7	14	17	23	0.724	0.241	0.483	0.386	0.793
1sv18EE403	9	19	28	11	15	26	11	17	28	2	2	2	2	2	10	5.4	5.4	5.4	5.4	5.4	27	16.4	7.4	18.4	18.4	24.4	0.566	0.255	0.634	0.418	0.841
TOTAL	95	123	218	88	125	213	96	124	220	16	16	16	16	16	80	51.2	51.2	51	51	51.2	256	162.2	67.2	155.2	163.2	191.2	5.593103	2.317241	5.351724	3.709091	6.593103
Total studes	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
Average	11.9	15.4	27.3	11	15.6	26.6	12	16	27.5	2	2	2	2	2	10	6.4	6.4	6.4	6.4	6.4	32	20.275	8.4	19.4	20.4	23.9	69.914	28.966	66.897	46.364	82.414

2020-21 T &C 17EE752

PRINCIPAL SIET THREE

Head of the Department
Bechcal & Electronics Engineering
Shriffevi Institute of Engineering & Technology
TUMKLIR-572-08

EVEN SEMESTER



SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

SIRA ROAD, TUMKUR- 572 106.

30-31 on

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGG

SUBJECT	BASIC ELECTRICAL ENGINEERING	SURJECT CODE	1951 522
4 7 7 7 7 7		SUBJECT CODE	18ELE23

COURSE OUTCOME

CO1	Analysis of Resistive Circuits and Solution of resistive circuits with independent sources
CO2	Two Terminal Element Relationships for inductors and capacitors and analysis of magnetic
CO3	Discuss the laws of illumination, different types of lamps, lighting schemes and design of lighting systems.
CO4	Analysis of Single Phase AC Circuits, the representation of alternating quantities and determining the power in these circuits.
CO5	Analysis of Single Phase AC Circuits, the representation of alternating quantities and determining the power in these circuits.

PROGRAM OUTCOMES

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Head of the Department
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TUMKUR-572106.

PRINCIPAL SIET, TUMAKURU.

COLLEGE	3	SHE	RIDEVI	INST	TUTE	OF E	NGIN	EERIN	G & T	ECHNO	DLOGY	,
FACULT	ΓΥ NA		TANU			11.4						
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COURSE	В	s.E	SEM	IESTE	R	11	1 5	ECTIO	ON		EEE	
SUBJECT	BAS	IC ELE	ECTRIC	CAL E	NGINI	EERIN	G	SUBJE	CT C	ODE	21EI	F22
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	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
	1	2	3	4	5	6	7	8	9	10	11	12
COI	3	3										
CO2	3	2				Cap.						
CO3	3	2		14.7								
CO4	3	2										
CO5	3	2							-		-	
VERAGE	3	2.2		1		1	-		-	-		
						OVE	RALL	MAPP	ING O	F SUBJ	ECT	2.6

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	POII	PO12
CO1	53.655	1.61	1.61	30									1012
CO2	35.3636	1.06	0.71										
CO3	51.93	1.56	1.04					9					
CO4	61.5862	1.85	1.23								- 1	-	2
CO5	61.586	1.85	1.23										
AVERAGE	52.82	1.696	1.164					1	1	1.17	15215		
	341111 110 - 1							FINA	L ATT	AINM	ENT LE	EVEL	1.43

G. D. R.

Head of the Department
Electrical & Flectronics Engineering & Shridevi Institute of Engineering & St. Tumburg, \$72,06

PRINCIPAL SIET., TUMARURU.

cademic year	202	Daniel Control	NEN	1			Total street	B00	20			Saufage of	HASH	ELECTRIC	AT. ENGI	NEERING		Subje	et Code	INE	1823				1-1			-
WENE CAREE IT	and the property of	10000		TEST 2(3)	PM)	IA.	TEST 3O	11561		ASSIGNE	MENT	QUIZER NO	44		SE	E MARKS	(64)			Total C	D-ATTAIN	MENT			- %	of individual	60	
UNN	110	HIEN	4.110	1.00	TOTAL.	4304	4.100	THEAL	1.00	4.002	1.00	0.114	1.716	C101-12	4.102	6.438	4 444	1.138	£431-29	£102+44	4 516-29	£484-29	1145-24	CD1	6.000	COL	640	1.00
12A3446003	21	- 21	10	10	50	- 11	12	2.8	3	1	3		2	5	5	- 5	- 5	- 5	28	17	37	146	19	58.62069	58.63634	58 62069	42.06897	65.517
1542001000	22	- 22	15	15	30	. 15	.15	.10	1	2	- 2		2	7	. 7	. 7	7.	7	81	24	24	- 24	24	82.75862	54 54545		82.75862	62.756
15VZ0ME001	22.	2.9	10		18	10	9	19	1	2	3	1	2	4.6	4.6	4.6	4.0	4.8	29.8	16.8	14.6	16.6	15.8	57.93103	88.18162	51.03440	57 9 8109	54.482
15V20ME002	21	21	9	.4		- 6	.12	18	2	2	- 3	1 2	- 2	5.8	5.8	5.6	5.6	5.8	29.8	16.8	11.6	114	19.8	57.93103	38.18182	The second second	47 58621	68.275
T5V20EC001	19	19	6 .		16	13	12	25	2	2	2	1 2	2	5.6	5.6	5.6	5.6	5.6	26.6	15.6	13.6	20.4	19.6	53.7931	35.45455	59,7931	71.03448	67.586
18V20EC003	15.	- 15	5		11	10	1.9	19	1	2	1	2	2	4.6	4.6	4.6	4.6	4.6	21.6	11.6	12.6	18.6	15.6	40	26.36364	43.44028	57 24138	53.791
15V20E0004	14	14	. 5	- 4		12	13:	25	1	2	1	1	2	4.2	4.2	4.2	4.2	4.2	10.2	11.2	10.1	18.2	19.2	38.62069	25.45455	35 17241	62.75862	66.206
15V20Ec005	21	21	7		15	5	4		1	2	- 2	2	- 1	4.6	4.6	4.6	8.6	4.6	27.6	13.6	14.6	11.6	10.6	45.09655	10 90909	50.14483	40	86.553
LTV20ECD06	16	.16		3		10	10	20	2	2	1	1	2	3.0	3.8	3.8	1.6	3.8	21.8	9.8	10.8	11.6	15.6	35.7931	32.27271	Andrew Control	44.48176	54.482
15V20E-0003	21	21		5	10	10		17	1	2	2	2	3	1	3	3	4	- 5	28	12	13	-17	14	41.37931	27.27271	41.97931	18.62069	48.275
15v20Ection	21	21	7		15	12	11	28	1	2	2	2	2	3.8	5.8	5.6	5.8	5.5	28.8	14.8	15.6	19.8	18.8	51.03448	22.63636	74.57934	58.27586	64.827
15V2DECDON	19	. 19		6.	11	10		18	2	2	2	1 3	7	4.0	4.4	4.4	4.4	4.4	35.4	11.4	12.4	25-4	14.4	39.31034	25 90909	42 75862	44.45144	
15V20EC013	22	22	- 1	- 6	11	10	10	20	1	2	1	1 3	3	4.8	4.8	4.6	2.5	4.8	26.0	15.8	12.8	16.8	16.8	34.48276	35 90909	44 13793	57 98108	49,655
15V200C012	19	19	12	- 6	18	4	- 4		2	1	2	2	2	5.6	1.6	3.6	5.8	3.8	24.6	17.8	11.6	1.8	9.8	61.37931	40.45455	AC 6896A	33.7951	57.999
13V20ECD13	1.5	1.9	- 4			11	- 11	22	- 2	2	7	1	- 1	4.4	4.4	4.4	4.4	44	19.4	10.4	11.6	-17.4	12.4	35.86207	23.63636	89 13004	100000	33.793
1592000014	25	25	-15	19	10	15	15	30	2	1	2	1 1	2	6.2	6.7	6.2	6.7	6.7	33.2	25.2	25.2	212	29.2	80	52.72727	80	60	60
15920ECD15	27	12	,	1	34	14	- 4	24	7	2	1	1	1	6.6	4.6	8.6	4.6	6.6	30.6	35.6	15.6	17.6	12.6	55.7951	35.45455	55.7931	41 451 100	80
15V2DECD16	21	21	17	12	24	15	15	17	1	2	- 1	1	1	0.0	6.8	6.8	4.4	6.6	29.8	30.8	20.6	478	77.4	71.72414	47 27273	A STATE OF THE PARTY OF THE PAR	17.99109	77.9310
15V20EC017	24	24	- 11	13	26	13.	14	22	1	2	2	1 2	2	7	1	1	7	1	33	22	11	0.00	17.6	75.86207	50	71 72414	62 04897	12.068
151/20ECD18	23	19	1		311	7	-	15	1	2	2	1 1	1	1 1			-	1	39	11	44	-	- 17	trub that talk of this land	30	75 86207	37.86303	79.310
				-	- "				-	-	-	1	-	1 1	-	-	-	-		15.54	13.00	1000	12.00	37.95103	25	41.37931	44.82759	49.2758 61.586
		-		-	_				-	-	-	-			-				27.91	15.56	15.06	1.84	17.86	13.65517	35.36364	51.99503	61.5862	17

G- H R

Head of the Department

Electrical & Electronics Engineering

Shridevi Institute of Engineering & Technology

TUMKUR-572106.

PRINCIPAL SIET., TUMAKURU



SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY SIRA ROAD, TUMKUR- 572 106.

DEPARTMENT OF EEE

20.2)

SUBJECT

POWER GENERATION ECONOMICS

SUBJECT CODE

18EE42

COURSE OUTCOME

CO1. Describe the working of hydroelectric, steam, nuclear power plants and state functions of major equipment of the power plants.

CO2. Classify various substations and explain the functions of major equipments in substations.

CO3. Explain the types of grounding and its importance

CO4. Infer the economic aspects of power system operation and its effects

CO5. Explain the importance of power factor improvement.

PROGRAM OUTCOMES

PO1 Engineering knowledge: An ability to apply knowledge of mathematics (including probability, statistics and discrete mathematics), science, and engineering for solving Engineering problems and Knowledge.

PO2 Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural

sciences, and engineering sciences.

PO3 Design / development of solutions: An ability to design solution for engineering problems and design system components or process to meet desired specifications and needs.

PO4 Conduct investigations of complex Problem: An ability to identify, formulate, comprehend, analyze, design synthesis of the information to solve complex engineering problems and provide valid conclusions.

PO5 Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling to complex engineering activities.

PO6 The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues.

PO7 Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO8 Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms

of the engineering practice.

PO9 Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10 Communication: Communicate effectively on complex engineering activities with the

engineering community and with the society.

PO11 Project management and finance: An ability to use the modern engineering tools, techniques, skills and management principles to do work as a member and leader in a team, to manage projects in multidisciplinary environments.

PO12 Life-long learning: A recognition of the need for, and an ability to engage in, to resolve

contemporary issues and acquire lifelong learning.

Head of the Department
Electrical & Electronics Engineering
Shridevi Institute of Engineering & Technology
TUMKUR-572106.

PRINCIPAL SIET. TUMAKURU

FACULTY	Y NAM	IE .	MRS.	SWET	HA T	М						
BRAN	NCH		1	EEE		A	CAD	EMIC Y	EAR		. 2020	-21
COURSE	В.	E	SEM	ESTE	R		5	SECTIO	N			
SUBJECT	POW	ER G	ENER	ATION	NECO	NOM	ics	SUBJE	CT C	ODE	18EE	42
CO & PO M	APPIN	NG										
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	3	2			2	2	1	1	1		1
CO2	2	2,	2			2	1	1	1	1		1
CO3	3	2	2			2	2	1	1	1	exerting.	1
CO4	2	2	2			2	2	1	1	1		1
CO5	3	2	2			2	1	1	1	1		1
AVERAGE	2.6	2.2	2			2	1.6	1	1	1		1
		A STATE		節機		OVE	RALI	L MAPI	PING (OF SUB	HECT	1.6

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	49.4	1.48	1.48	0.99			0.99	0.99	0.49	0.49	0.49		0.49
CO2	48.7	0.97	0.97	0.97			0.97	0.49	0.49	0.49	0.49		0.49
СОЗ	56.6	1.70	1.13	1.13			1.13	1.13	0.57	0.57	0.57		0.57
CO4	56.1	1.12	1.12	1.12	1112		1.12	1.12	0.56	0.56	0.56		0.56
CO5	54.1	1.62	1.08	1.08			1.08	0.54	0.54	0.54	0.54		0.54
AVERAGE	52.98	1.380	1.158	1.060			1.060	0.854	0.530	0.530	0.530		0.530
								FIN	AL AT	TAINN	IENT L	EVEL	0.847

Head of the Department
Electrical & Electronics Engineering
Shridevi Institute of Engineering & Technology
TUMKUR-572106.

PRINCIPAL SIET., TUMAKURU

PRINCIPAL SIET CONSTRUCTION

SEM: IV. EEF	. IA	TEST	1	IA	TEST	12	IA	TES	T 3		Ass	ignm	ent			Color.	SI	EE PGE	2020-2	021		4		TOTAL					Avera	ge -	
USN	COI	CO2	TOTAL	CO3	CO4	FOTAL	C04	CO5	POTAL	COL	CO2	CO3	CO4	CO	OTA	COI	CO2	CO3	CO4	CO5	TOTAL	C01	CO2	CO3	CO4	CO5	CO1	CO2	CO3	C04	CGS
15V18EE001	10	7	17	15	8	23	14	12	26	2	2	2	2	2	10	3.8	3.8	3.8	3.8	3.8	19	15.8	12.8	20.8	27.8	17.8	46	38	61	51	52
1SV19EE001	12	14	26	12	16	28	13	17	30	2	2	2	2	2	10	4.6	4.6	4.6	4.6	4.6	23	18.6	20.6	18.6	35.6	23.6	55	61	55	66	69
15V19EE002	13	7	20	14	9	23	13	13	26	2	2	2	2	2	10	3.4	3.4	3.4	3.4	3.4	17	18.4	12.4	19.4	27.4	18.4	54	36	57	51	54
1SV19EE005	8	12	20	13	11	24	9	19	28	. 2	2	2	2	2	10	5.8	5.8	5.8	5.8	5.8 .	29	15.8	19.8	20.8	27.8	26.8	46	58	. 61	51	79
SV19EE006	11	7	18	10	10	20	12	13	25	2	2	2	2	2	10	3.6	3.6	3.6	3.6	3.6	18	16.6	12.6	15.6	27.6	18.6	49	37	46	51	55
SV19EE007	15	15	30	13	11	24	16	14	30	2	2	2	2	2	10	5.8	5.8	5.8	5.8	5.8	29	22.8	22.8	20.8	34.8	21.8	67	67	61	64	64
SV19EE008	9	9	18	9	11	20	14	8	22	2	2	2	2	2	10	3.8	3.8	3.8	3.8	3.8	19	14.8	14.8	14.8	30.8	13.8	44	44	44	57	41
SV19EE009	10	10	20	12	13	25	16	11	27	2	2	2	2	2	10	3.8	3.8	3.8	3.8	3.8	19	15.8	15.8	17.8	34.8	16.8	46	46	52	64	49
SV19EE011	12	17	29	14	14	28	17	13	30	2	2	2	2	2	10	5.8	5.8	5.8	5.8	5.8	29	19.8	24.8	21.8	38.8	20.8	58	73	64	72	61
SV19EE012	7	8	15	16	4	20	14	5	19	2	2	2	2	2	10	5.8	5.8	5.8	5.8	5.8	19	14.8	15.8	23.8	25.8	12.8	44	46	70	48	38
SV19EE013	13	9	22	13	10	23	13	14	. 27	2	2	2	2	2	10	3.2	3.2	3.2	3.2	3.2	16	18.2	14.2	18.2	28.2	19.2	54	42	54	52	56
SV19EE014	9	4	13	15	2	17	10	5	15	2	2	2	2	2	10	2.2	2.2	2.2	2.2	2.2	11	13.2	8.2	19.2	16.2	9.2	39	24	56	30	27
SV19EE016	12	8	20	9	14	23	16	10	26	2	2	2	2	2	10	3.8	3.8	3.8	3.8	3.8	19	17.8	13.8	14.8	35.8	15.8	52	41	44	66	46
SV19EE017	9	12	21	12	10	22	13	13	26	2	2	2	2	2	10	6.8	6.8	6.8	6.8	6.8	34	17.8	20.8	20.8	31.8	21.8	52	61	61	59	64
SV19EE020	12	7	19	12	10	22	13	12	25	2	2	2	2	2	10	4.8	4.8	4.8	4.8	4.8	24	18.8	13.8	18.8	29.8	18.8	55	41	55	55	55
SV20EE400	10	7	17	13	11	24	9	16	25	2	2	2	2	2	10	4.8	4.8	4.8	4.8	4.8	23	16.8	13.8	19.8	26.8	22.8	49	- 41	58	50	67
SV20EE401	6	13	19	16	8	24	16	10	26	2	2	2	2	2	10	4.2	4.2	4.2	4.2	4.2	21	12.2	19.2	22.2	30.2	16.2	36	56	65	56	48
SV20EE402	8	16	24	12	14	26	15	10	25	2	2	2	2	2	10	4.2	4.2	4.2	4.2	4.2	21	14.2	22.2	18.2	35.2	16.2	42	65	54	65	48
otal	186	182	368	230	186	416	243	215	458	36	36	36	36	36	180	80.2	80.2	80.2	80.2	80.2	390	302.2	298.2	346.2	545.2	331.2	889	877	1018	1010	974
tal student	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
Average	10.33	10.11	20.44	12.8	10.3	23.1	13.5	11.9	25.4	2	2	20	2	2	10	4.456	4.4556	4,4556	4.46	4.456	21.6667	16.7889	16.57	19.233	30.289	18.4	49.4	48.7	56.6	56.1	54.3

PGE 181



SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

SIRA ROAD, TUMKUR- 572 106.

DEPARTMENT OF ELECTRICAL AND ELECTRONICS

SUBJECT

TRANSMISSION & DISTRIBUTION

SUBJECT CODE

18EE43

COURSE OUTCOME:

CO1: Explain transmission and distribution scheme, identify the importance of different Transmission systems and types of insulators.

CO2: Analyze and compute the parameters of the transmission line for different configurations.

CO3: Assess the performance of overhead lines.

CO4: Interpret corona, explain the use of underground cables.

CO5: Classify different types of distribution systems; examine its quality & reliability.

PROGRAM OUTCOMES:

PO1 Engineering knowledge: An ability to apply knowledge of mathematics (including probability, statistics and discrete mathematics), science, and engineering for solving Engineering problems and Knowledge.

PO2 Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3 Design / development of solutions: An ability to design solution for engineering problems and design system components or process to meet desired specifications and needs.

PO4 Conduct investigations of complex Problem: An ability to identify, formulate, comprehend, analyze, design synthesis of the information to solve complex engineering problems and provide valid conclusions.

PO5 Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling to complex engineering activities.

P06 The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues.

PO7 Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO8 Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9 Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10 Communication: Communicate effectively on complex engineering activities with the engineering community and with the society.

PO11 Project management and finance: An ability to use the modern engineering tools, techniques, skills and management principles to do work as a member and leader in a team, to manage projects in multidisciplinary environments.

PO12 Life-long learning: A recognition of the need for, and an ability to engage in, to resolve contemporary issues and acquire lifelong learning.

Head of the Department
Electrical & Electronics Engineering
Shridevi Institute of Engineering & Technology
TUMKUR-572166.

PRINCIPAL SIET., TUMAKURU

COLLEGE		SHR	IDEVI	INSTI	TUTE	OF EN	IGIN	EERING	G & TI	ECHNO	LOGY	
FACULTY	NAM	Œ	TANUJ	JA K.S								
BRAN	КСН		I	EEE	T	A	CADI	EMIC Y	EAR		2020	-21
COURSE	В.	E	SEM	ESTE	R	IV	S	ECTIO	N ·		EEĘ	
SUBJECT	TR	ANSN	iissio	N & D	ISTRII	BUTIO	N	SUBJE	ст сс	ODE	18EI	£43
CO & PO M	IAPPI	NG										
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
18EE54.1	3		2		3	2	2			2		
18EE54.2	• 1	2	2		2		2					
18EE54.3	1	3	3	3		2				. 2	2	
18EE54.4	1	3	3		2							
18EE54.5	2	3 ·	3	3						2	2	
Avg Map	1.6	2.75	2.6	3	2.33	2	2			2.	2	
						OVI	ERAL	L MAP	PING	OF SUI	BJECT	2.25

CO ANI	PO AT	TAIN	MENI							-	-	-	Townson.
	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	74.52 .	2.24		1.49		2.24	1.49	1.49			1.49		
CO2	27.15	0.27	0.543	0.543		0.543		0.543					
CO3	41.95	0.42	1.26	1.26	1.26		0.84				0.84	0.84	
CO4	65.52	0.66	1.97	1.97		1.31	1 25						
CO5	66.86	1.34	2	2	2						1.34	1.34	
AVERAGE	65.496	1	1.44	1.45	1.63	1.37	1.17	1.02			1.22	1.09	
								FIN	AL AT	TAIN	MENT I	LEVEL	1.27

Head of the Department
Electrical & Electronics Engineering
Shridevi Institute of Engineering & Technology
TUMKUR-572106.

PRINCIPAL SIET TUNGGUKU

Academic ye		10-21	SEM	1	1		Total streng	gth	19		Su	eject	TRANSI	MISSION A	ND DISTR	IBUTION		Subje	et Code	188	E43	Jan L						
MITSEC EA		T 1(30M)		TEST 2(3			TEST J(JO			ASSIGNE	MENT/Q	UIZ(10 M		1.4	SE	E MARKS	(60)			Total C	OF ATTAIN	MENT	Victory and		%	of individue	CO	
USN	COL	TOTAL	CO2	COI	TOTAL	CO4	COS	TOTAL	COL	CO2	0.03	C04	COS	CO1=12	COS	CO3	CO4	COS	CO1=29	CO2=44	CO3=29	CO4=29	CO5=29	CO1	COL	CO3	C04	COS
15V18EE001	17	17	4	4	8	12	13	25	2	1	2	2	2	3.8	3.8	3.8	3.8	3.8	22.8	9.8	9.8	17.8	18.8	78.62069	22.27273	33,7931	61.37931	64.8275
25V19EE001	14	14	7		15	14	14	28	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	20.6	13.6	14.6	20.6	20.6	71.03448	30.90909	50.34483	71.03448	
15V19EE002	16	16	1	1	5	11	11	22	2	2	2	2	2	3.4	3.4	3,4	3,4	3.4	21.4	8.4	7,4	16.4	16.4	73.7931	19.09091	25.51724		56.5517
15V19EE005	18	18	6	- 6	12	12	12	24	2	2	2	2	2	5.8	5.8	5.8	5.8	5.8	25.8	13.8	13.8	19.8	19.8	88.96552			68.27586	
15V19EE006	- 6	6	4	- 1	9	10	30	20	2	2	2	2	2	3.4	3.6	3.6	3.6	1.6	11.6	9.6	10.6	15.6	15.6	40	21.51516	36,55172		53.793
15V19EE007	17	17		9	17	12	15	27	2	2	2	2	2	5.8	5.8	5.8	5.8	5.8	24.8	15.8	16.8	19.8	22.8	85.51724	35.90909	57,93103		
15V19EE008	16	16	4	4		20	20	40	2	2	2	2	2	3.8	3,8	3.8	3.8	3.8	21.8	9.8	9.8	25.8	25.8	75.17241	22.27273	13.7931	88.96552	-
15V19EE009	16	16	3	3	6	10	10	20	2	2	2	2	2	3.8	3.8	3.8	3.8	3.8	21.8	8.8	8.8	15.8	15.8	75.17241	20	30.34483		
15V19EE011	19	19		9	1.7	12	16	28	2	2	2	2	2	5.8	5.8	5.8	5.8	5.8	26.8	15.8	16.8	19.8	23.8	MUNICIPAL PROPERTY AND IN	15.90909		68.27586	
15V19EE012	12	12	. 7	8	15	11	11	22	2	2	1	2	2	2.6	1.8	3.8	3.8	3.6	17.8	12.8	13.8	16.8	16.8	61.37931	marine from the Control States	47,58621		
15V19EE013	38	3.8	. 8	8	36	12	12	24	1	2	1	2	2	3.2	3.2	3.2	3.2	3.2	23.2	13.2	13.2	17.2	17.2	80	30'	45.51724		
15V19EE014	12	12	1	1	2	1	2	. 1	2	2	2	2	2	2.2	2.2	2.2	2.2	2.2	16.2	5.2	5.2	5.2	6.2	55.86207	11.01518	17.93103	17.93103	
15V19EE016	17	17	7	7	14	12	12	24	2	2	2	2	. 2	3.8	3.8	3.8	3.8	3.8	22.8	12.8	12.8	17.8	17.8	78.62069	ment of the contract of the co			
15V19EE017	18	18	10	10	20	30	20	40	2	2	2	2	2	6.8	6.8	6.8	6.8	6.8	26.8	18.8	18.8	28.8	28.8	CONTRACTOR CONTRACTOR	42.72727		99.31034	
15V19EE020	13	13	7	7	14	15	14	29	2	2	2	2	2	4.8	4.8	4.8	4.8	4.8	19.8	13.8	13.8	21.8	20.8	68.27586	31.36364		75.17241	
15V20EE400	13	13	4	4		15	32	27	2	2	1	2	2	4.6	4.6	4.6	4.6	4.6	19.6	10.6	10.6	21.6	18.6	67.58621	24 //9/201	36.55172	74.48276	
15V20EE401	18	18	3	2	5	15	17	32	2	2	1	2	2	4.2	4.2	4.2	4.2	4.2	24.2	9.2	8.7	21.2	23.2	B3.44B2B	20.90909	28.27586	-	80
15V20EE407	15	15	7	8	15	36	14	28	2	2	1	2	2	4.2	4.2	4.2	4.2	4.2	21.2	13.2	14.2	20.2	20.2	73.10345	30	48.96552	69.65517	-
100000			1			77										-	-	-	21.61111	11.94444	12.16667	10	19.18889	74 12107	27.55555	200000000000000000000000000000000000000	65,51724	

Head of the Department
Electrical & Electronics Engineering
Shindevi Institute of Engineering & Technology
TUMKUR-572108

Randon Daming the

Tanglus

DEPARTMENT OF EEE

SUBJECT	ELECTRIC MOTORS	SUBJECT CODE	18EE44

COURSE OUTCOME

CO1	Explain the construction, operation and classification of DC Motor, AC motor and Special purpose motors
CO2	Describe the performance characteristics & applications of Electric motors.
соз	Demonstrate and explain the methods of testing of DC machines and determine losses and Efficiency
CO4	Control the speed of DC motor and induction motor.
CO5	Explain the starting methods, equivalent circuit and phasor diagrams, torque angle, effect of change in excitation and change in load, hunting and damping of synchronous motors

PROGRAM OUTCOME

- PO1 Engineering knowledge: An ability to apply knowledge of mathematics (including probability, statistics and discrete mathematics), science, and engineering for solving Engineering problems and Knowledge.
- PO2 Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- PO3 Design / development of solutions: An ability to design solution for engineering problems and design system components or process to meet desired specifications and needs.
- PO4 Conduct investigations of complex Problem: An ability to identify, formulate, comprehend, analyze, design synthesis of the information to solve complex engineering problems and provide valid conclusions.
- PO5 Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling to complex engineering activities.
- PO6 The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues.
- PO7 Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- PO8 Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- PO9 Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- PO10 Communication: Communicate effectively on complex engineering activities with the engineering community and with the society.
- PO11 Project management and finance: An ability to use the modern engineering tools, techniques, skills and management principles to do work as a member and leader in a team, to manage projects in multidisciplinary environments.
- PO12 Life-long learning: A recognition of the need for, and an ability to engage in, to resolve contemporary issues and acquire lifelong learning.

Head of the Department
Electrical & Electronics Engineering
Shridevi Institute of Engineering & Technology
TUMKUR-572108.

PRINCIPAL

FACULTY	Y NAN	Т	UMAE		4			EERIN				
BRAN	0.0000000000000000000000000000000000000			EEE	Т	· A	CAD	EMIĆ Y	EAR	Т	2020-	2021
COURSE	B.	E	SEM	IESTE	R	īv	1	SECTIO	N ·			2021
SUBJECT		EI	LECTE	RIC M	OTOR	s		SUBJE	CT C	ODE	18E	E44
CO & PO M	APPIN	NG .										
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	2	2	2	2	2						1
CO2	3	2	2	2	2	2						1
CO3	3	2	3	2	2	2						1
CO4	3	2	2	2	2	.2						1
CO5	3	2	2	. 5	2	2						2
AVERAGE	3	2	2.2	2	2	2						1.2
				19.18		OVE	RALI	MAPP	ING ()F SUR	IFCT	2.05

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
COI	43.7	1.31	0.874	0.874	0.874	0.874	0.874						0.437
CO2	42.9	1.28	0.858	0.858	0.858	0.858	0.858		100				0.429
CO3	49.0	1.47	0.294	1.47	0.294	0.294	0.294						0.49
CO4	50.8	1.52	1.016	1.016	1.016	1.016	1.016						0.508
CO5	46.2	1.38	0.924	0.924	0.924	0.924	0.924			,			0.462
AVERAGE	46.52	1.39	0.79	1.02	0.79	0.79	0.79						0.465
	100							FINA	LATI	AINM	ENT L	EVEL	0.862

Head of the Department
Electrical & Electronics Engineering
Shridevi Institute of Engineering & Technology
TUMKUR-572166.

PRINCIPAL SIET., TUMAKURU.

	_	-			-			-	F 2			A national		-		-		SE	E		-			TOTAL			*		AVERA	GE	
	-	TES	-	-	TEST	NAME OF TAXABLE PARTY.	-	TES	-	no. I		Assign	-	cor	TOTAL	COI	CO2	CO3	C04	CO5	TOTAL	COI	CO2	CO3	CO4	CO5	COI	CO2	CO3	CO4 -	. CO5
USN	COI	-CO2	TOTAL	CO3	CO4	TOTAL	CO4	CO5	-	COI	CO2	CO3	CO4	CO5	-	-	-	3.8	3.8	3.8	19	14.8	11.8	15.8	25.8	11.8	44	35	46	48	35
1SV18EE001	9	6	15	10	9	19	11	6	17	2	2	2	2	2	10	3.8	3.8		10000	200	23	16,6	20,6	19.6	37,6	13.6	49	61	58	70	40
1SV19EE001	10	14	24	13	13	26	18	7	25	2	2	2	2	2	10	4.6	4.6	4.6	3.4	4.6	17	9.4	9.4	10.4	20.4	10.4	28	28	31	38	31
1SV19EE002	4-	4	8	5	5	10	10	5	15	2	2	- 2	2	2	10	3.4	3.4	3.4	1350	5.8	29	16.8	10.8	14.8	26.8	17.8	49	32	44	50	52
15V19EE005	9	3	12	7	10	17	9	10	19	2	2	2	2	2	10	5.8	5.8	5.8	5.8	3.6	18	11.6	9,6	13.6	22.6	12.6	34	28	40	42	37
1SV19EE006	6	4	10	8	9	17	8	7	15	2	2	2	2	2	10	3.6	3.6	3.6	3.6 5.8	5.8	29		. 25.8	23.8	35.8	23.8	58	76	70	66	70
1SV19EE007	12	18	30	16	14	30	14	16	30	2	2	2	2	2	10	5.8	5.8	5.8	3.8	3.8	19		9.8	13.8	19.8	10.8	32	29	41	37	32
15V19EE008	5	4	9	8	4	12	10	5	15	2	2	2	2	2	10	3,8	3.8	-	-	3.8	19	_	11.8	14.8	21.8	15.8	46	35	44	40	46
1SV19EE009	10	6	16	9	9	18	7	10	17	2	2	2	2	2	10	3.8	3.8	3.8	3.8	5.8	29	_	25.8	21.8	39.8	21.8	58	76	64	74	64
1SV19EE011	12	18	30	14	16	30	16	14	30	2	2	2	2	2	10	5,8	5.8	5.8	5.8	3.8	19	-	11.8	15.8	22.8	15.8	32	35	46	42	46
1SV19EE012	5	6	11	10	8	18	9	10	19	2	2	2	2	2	10	3.8	3.8	3.8	3.8	3.2	16	-	15.2	17.2	31.2	18.2	56	45	51	58	54
15V19EE013	14	10	24	-12	14	26	12	13	25	2	2	2	2	. 2	10	3.2	3.2	3.2	3.2	-	11	-	9.2	10.2	26.2	10.2	30	27	30	49	30
1SV19EE014	6	5	11	6	13	19	9	6	15	2	2	2	2	2	10	2.2	2.2	2,2	2.2	2.2	19	-	8.8	13.8	22.8	15.8	38	26	41	42	46
15V19EE016	7	3	10	8	11	19	6	10	16	2	2	2	2	2	10	3.8	3.8	3.8	3.8	3.8	34	23.8	23.8	26.8	37.8	21.8	70	70	79	70	64
15V19EE017	15	15	30	18	12	30	17	13	30	2	2	2	2	2	10	6,8	6.8	6.8	6.8	6.8	24	-	13.8	13.8	25.8	16.8	35	41	41	48	49
1SV19EE020	5	7	12	7	10	17	9	10	19	2	2	2	2	2	10	4.8	4.8	4.8	4.8	4.8		Manager Street, or other Desired	14.6	17.6	25.6	15.6	49	43	52	47	46
1SV20EE400	10	8	18	11	9	20	10	9	19	2	2	2	2	2	10	4.6	4.6	4.6	4.6	4.6	23	and the same of th	13.2	17.2	21.2	12.2	36	39	51	39	36
15V20EE401	6	7	13	11	6	17	9	6	15	2	2	2	2	2	10	4.2	4.2	4.2	4.2	4.2	21	_	-	-	30.2	18,2	45	51	56	56	54
15V20EE402	9	11	20	13	12	25	12	12	24	2	2	2	2	2	10	4.2	4.2	4.2	4.2	4.2	21		17.2	19.2	494	283	788	774	882	915	832
TOTAL	154	149	303	186	184	370	196	169	365	36	36	36	36	36	180	78	78	-	78	78	_	_	263	300	18	10	18	18	18	18	18
Total students	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	3.6	18	18	18	18	18	18	18	16.67	27.44	15.72	43.8	43.0	49.0	50.8	46.2
Avearge	8.56	8.28	16.83	10.3	10.22	20.56	10.9	9.39	20.28	2	2	2	2	2	10	4.33	4.33	4.33	4.33	4.33	21.67	14.89	14.61	16.67	27.44	15.72	45.8	45.0	1 45.0	30.0	40.6

18EE44 2020-21 ELECTRIC MOTORS

PRINCIPAL DEMONSTRATE

. Head of the Department lectrical & Electronics Engineering vi Institute of Engineering & Technology TUMKUR-572106.



SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY SIRA ROAD, TUMKUR- 572 106.

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGG

SUBJECT	ELECTROMAGNETIC FIELD THEORY	SUBJECT CODE	18EE45
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COURSE OUTCOME

CO1	Use different coordinate systems, Coulomb's Law and Gauss Law for the evaluation of electric fields produced by different charge configurations.
CO2	Calculate the energy and potential due to a system of charges & Explain the behavior of electric field across a boundary conditions
CO3	Explain the Poisson's, Laplace equations and behavior of steady magnetic fields.
CO4	Explain the behavior of magnetic fields and magnetic materials.
CO5	Asses time varying fields and propagation of waves in different media.

PROGRAM OUTCOMES

- PO1 Engineering knowledge: An ability to apply knowledge of mathematics (including probability, statistics and discrete mathematics), science, and engineering for solving Engineering problems and Knowledge.
- PO2 Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- PO3 Design / development of solutions: An ability to design solution for engineering problems and design system components or process to meet desired specifications and needs.
- PO4 Conduct investigations of complex Problem: An ability to identify, formulate, comprehend, analyze, design synthesis of the information to solve complex engineering problems and provide valid conclusions.
- PO5 Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling to complex engineering activities.
- PO6 The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues.
- PO7 Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- PO8 Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- PO9 Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- PO10 Communication: Communicate effectively on complex engineering activities with the engineering community and with the society.
- PO11 Project management and finance: An ability to use the modern engineering tools, techniques, skills and management principles to do work as a member and leader in a team, to manage projects in multidisciplinary environments.
- PO12 Life-long learning: A recognition of the need for, and an ability to engage in, to resolve contemporary issues and acquire lifelong learning.

Head of the Department
Electrical & Electronics Engineering
Shridevi Institute of Engineering & Technology

COLLEGI	3	SHE	RIDEVI	INST	ITUTE	OF E	NGIN	EERIN	G & T	ECHNO	OLOGY	v >
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BRA	NCH			EEE		A	ACAD	EMIC	YEAR	T	202	0-21
COURSE	В	.E	SEN	IESTE	R	IV	T	SECTIO)N		EEE	
SUBJECT	ELE	CTRO	MAGN	ETIC	FIELD	14	1	SUBJE		ODE	18E	E45
CO & PO M	1APPI	NG					-		7.			
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	POI
	1	2	3	4	5	6	7	8	9	10	11	12
CO1	2	3	1	I						100		2
CO2	2	3	1	1								2
CO3	1	2	1	1								1
CO4	3	3	1	1								3
CO5	2	3	I	1	-	-			-			2
VERAGE	2	2.8	1	1	-					1966		2
						OVE	RALL	MAPP	ING O	F SUBJ	ECT	1.63

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	40.67	0.81	1.13	0.40	0.41					6			0.81
CO2	39.41	0.78	1.10	0.39	0.39								0.78
CO3	40.93	0.81	1.14	0.40	0.40					100			0.81
CO4	40.93	0.81	1.14	0.40	0.40								0.81
CO5	40.93	0.81	1.14	0.40	0.40								0.81
AVERAGE	40.57	0.80	1.13	0.4	0.4								0.80
					46			FINA	LATI	AINM	ENT LI	EVEL	0.70

G с Ц С — Head of the Department Beotrical & Electronics Engineering Shridevi Institute of Engineering & Technology TUMKUR-572196.

STAFF NAME: V RAJESH KUMAR

Academic year		2020-21	restation and the second	SEM	4			Total streng	gth	18	Nasyania	Sul	eject	ELECTR	ROMAGET	IC FIELD	THEORY	100	Subject	et Code	188	E45					1	_	1
	-	TEST 1(4	White the same of the same of	-	A TEST 26	-	1.4	TEST 3(4	0M)		ASSIGNE	MENT/Q	UIZ(10 M			SE	E MARKS	(60)	-			os ATTAIN	MENT			96	of individua	100	_
USN	CO1	C02	TOTAL	CO3	COJ	TOTAL	C04	COS	TOTAL.	COI	CO2	COJ	C04	C05	CO1-12	CO2	CO3	C04	COS	CO1-29	CO2=44	CO3=29	CO4=29	CO5-29	CO1	C02	CO3		Look
15V18EE001	5.8	5.8	11.6	5.8	5.8	11.6	5.8	5.8	11.6	2	2	2	2	2	3.8	3.8	3.8	3.8	3.8	11.6	17.4	11.6	11.6	11.6	40	39,54545		C04	C05
15V19EE001	5.8	5.8	11.6	5.8	5.8	11.6	5.8	5.8	11.6	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	12.4	18.2	12.4	12.4	12.4	42.75862	41.36364	_	40	40
15V19EE002	5	5	10	5	- 5	10	5	5	10	2	2	2	2	2	3.4	3.4	3.4	3.4	3.4	10.4	15.4	10.4	10.4	20.4	35.86207	41.36364		42.75862	
15V19EE005	5.8	5.8	11.6	5.8	5.8	11.6	5.8	5.8	11.6	2	2	2	2	2	5.8	5.8	5.8	5.8	5.8	11.6	19.4	13.6	13.6	13.6	And the second second	35	35.86207	35.86207	and the second second
15V19EE006	4.6	4.6	9.2	4.6	4.6	9.2	4.6	5	9.6	2	2	2	2	2	3.6	3.6	3.6	3.6	3.6	10.2	14.8	10.2	10.2	10.6	46.89655	44.09091	46.89655	46.89655	-
15V19EE007	5.6	5.6	11.2	5.6	5.6	11.2	5.6	5.6	11.2	2	2	2	2	2	5.8	5.8	5.8	5.8	5.8	19.4	19	13.4	13.4	The second second second	35.17241	33.63636		35.17241	
15V19EE008	5.1	5.3	10.6	5.3	5.3	10.6	5.3	5.3	10.6	2	2	2	2	2	3.8	3.8	3.8	3.8	3.8	11.1	16.4	THE RESERVE AND ADDRESS OF THE PERSON NAMED IN		13.4	International International	43.18182		46.2069	
15V19EE009	5.6	5.6	11.2	5.6	5.6	11.2	5.6	5.6	11.2	2	2	3	3	2	3.8	3.8	3.8	3.0	3.8	11.4	10.4	11.1	11.1	11.1	38.27586	37.27273	38.27586		30.40.30.2.30.00
15V19EE011	6.5	6.5	13	6.5	6.5	13	6.5	6.5	13	2	2	3	3	2	5.8	5.8	5.8	5.6		14.1	20.0	11.4	11.4	11.4	39.31034	2000000	39.31034		
15V19EE012	5.5	5.5	11	5.5	5.5	11	5.5	5.5	11	2	2	,	3	2	3.8	THE RESIDENCE OF THE PERSON NAMED IN		3.6	5.8		20.8	14.3	14.3	14.3				49 31034	
15V19EE013	5.3	5.3	10.6	5.3	5.1	10.6	5.3	5.1	10.6	,	-	,	3	2	3.2	3.8	3.8	3.0	3.8	11.3	16.8	11.3	11.3	11.3	38.96552	38.18182	38:96552	38.96552	18.9655
15V19EE014	- 4	4	8	4	4	8	4	1	8			2	-		2.2	2.2	-	3.2	3.2	10.5			-		36.2069				Control of
15V19EE016	4.6	4.6	6.2	4.6	4.6	9.2	4.6	4.6	9.2				- 2	-		1.1	2.2	2.2	2.2	8.7	12.2	8.2	8.2	8.2	28.27586	27 72727	28.27586	28 27586	28.2758
15V19EE017	6.5	6.5	11	6.5	6.5	13	6.5	7.0	13		2		-		3.8	3.5	3.8	3.8	3.8	10.4	15	10.4	10.4	10.4	35.86207	34.09091	35.86207	35.86207	35.8620
15V19EE020	5.8	5.8	11.6	5.8	5.9	11.6	5.8	6.5		- 2	2	- 2	- 2	2	6.8	6.8	6.8	6.8	6.8	15.3	21.8	15.3	15.3	15.3	52.75862	49.54545	52.75862	52.75862	52.7586
15V20EE400	5.5	5.5	22.0		5.6			5.8	11.6	- 2	- 2	- 2	- 2	- 2	4.8	4.8	4.8	4.8	4.8	12.6	18.4	12.6	12.6	12.6	43.44828	41.81818	43.44828	43.44828	43.4482
15V20EE401	5.6		11	5.5	3.5	11	5.5	5.5	11	2	2	1	2	2	4.6	4.6	4.6	4.6	4.6	12.1	17.6	12.1	12.1	12.1	41.72414	40	41.72414	41 72414	41.7241
THE RESERVE AND ADDRESS OF THE PARTY OF THE	5.6	5.6	11.2	5.6	3.6	11.2	5.6	5.6	11.2	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	11.8	17.4	11.8	11.8	11.8	40.68966	39.54545	40.68966	40.68966	40.6896
15V20EE402	2.3	5.5	11	5.5	5.5	11	5.5	9.5	11	2	2	2	2	2	4.2	4.7	4.2	4.2	4.2	11.7	17.2	11.7	11.7	11.7	40.34483	39.09091	40.34483	40.34483	40.34480
																				11.79444	17.34118	11.87059	11.87059	11.89412	40.6705		40.93306	40 93306	

Head of the Department
Electrical & Electronics Engineering
Shridevi Institute of Engineering & Technology
TUMKUR-572106. いまなっ



SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

SIRA ROAD, TUMKUR- 572 106.

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGG

SUBJECT	OPERATIONAL AMPLIFIERS AND LINEAR IC'S	SUBJECT CODE	18EE46
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COURSE OUTCOME

CO1	Describe the characteristics of ideal and practical operational amplifier.
CO2	Design filters and signal generators using linear ICs.
CO3	Demonstrate the application of Linear ICs as comparators and rectifiers.
CO4	Analyze voltage regulators for given specification using op-amp and IC voltage regulators.
CO5	Summarize the basics of PLL and Timer.

PROGRAM OUTCOMES

- PO1 Engineering knowledge: An ability to apply knowledge of mathematics (including probability, statistics and discrete mathematics), science, and engineering for solving Engineering problems and Knowledge.
- PO2 Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- PO3 Design / development of solutions: An ability to design solution for engineering problems and design system components or process to meet desired specifications and needs.
- PO4 Conduct investigations of complex Problem: An ability to identify, formulate, comprehend, analyze, design synthesis of the information to solve complex engineering problems and provide valid conclusions.
- PO5 Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling to complex engineering activities.
- P06 The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues.
- PO7 Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- PO8 Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- PO9 Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- PO10 Communication: Communicate effectively on complex engineering activities with the engineering community and with the society.
- PO11 Project management and finance: An ability to use the modern engineering tools, techniques, skills and management principles to do work as a member and leader in a team, to manage projects in multidisciplinary environments.
- PO12 Life-long learning: A recognition of the need for, and an ability to engage in, to resolve contemporary issues and acquire lifelong learning.

G. 4 Range

Head of the Department
Electrical & Electronics Engineering
Shridevi Institute of Engineering & Technology
TUMKUR-572106.

COLLEGE		SHRI	DEVI	INSTI	TUTE	OF E	NGIN	EERIN	G & T1	ECHNO	DLOGY	
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BRAN	СН		F	EEE		A	CADI	EMIC Y	EAR		2020	-21
COURSE	В.	E	SEM	ESTE	R	IV	5	SECTIO	N		EEE	
SUBJECT	OP	ERAT	IONAI	AMP		RS AN	D	SUBJE	ст сс	DDE	18EF	£46
CO & PO M	APPI	NG										
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
	1	2	3	4	5	6	7	8	9	10	11	12
CO1	3				2	2					7,21	2
CO2	3				2	2						2
CO3	3				2	2					Jan 6	2
CO4	3				2	2			1	190	45	2
CO5	3				2	2						2
AVERAGE	3				2	2						2
	III N				200	OVI	ERAL	L MAP	PING	OF SUI	BJECT	2.02

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	40.57	1.21				0.8	0.8						0.8
CO2	39.14	1.18				0.78	0.78						0.78
CO3	40.73	1.2				0.81	0.81						0.81
CO4	40.73	1.2				0.81	0.81						0.81
CO5	40.73	1.2				0.81	0.81						0.81
AVERAGE	40.38	1.19				0.80	0.80		- ii			10.74	0.80
	iller	-	1	-	1			FIN	AL AT	TAIN	MENT I	LEVEL	0.89

Head of the Department
Electrical & Electronics Engineering
Shridevi Institute of Engineering & Technology
TUMKUR-572106.

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cademic year		2020-21	de constant de la con	SEM		4		Total streng	gth	18		Sul	bject	RATION.	AL AMPLI	TERS AN	DLINEAR		Subject	ct Code	188	E46						1	_
1101		TEST 1(4)			IA TEST 2		1A	TEST 3(4)	0M)		ASSIGNE	MENT / Q					E MARKS	(60)				on ATTAIN	MENT			- 1	of individua	H.CO	-
USN	CO1	CO2	TOTAL	CO2	CO3	TOTAL	C04	C05	TOTAL	COL	CO2	CO3	C04	€05	CO1-12	C02	CO3	COI	CO5	CO1=29	C02=44	CO3-29	CO4-29	CO5-29	CO1	C02	-	The second liverage and the second	1
15V18EE001	5.6	5.6	11.2	5.6	5.6	11.2	5.6	5.6	11.2	2	2	2	2	2	1.8	3.8	3.8	3.8	3.8	11.4	12	11.4	11.4	-	Procedure of the Particular Street Contraction o	4.40	CO1	C04	COS
15V19EE001	5.8	5.8	11.6	5.8	5.8	11.6	5.6	5.8	11.6	. 2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	12.4	18.2	12.4	Personal Control of the Control	11.4	39.31034	18.63636	39.31034	THE RESERVE OF THE PARTY OF THE	-
15V19EE002	5.3	5.3	10.6	5.3	5.3	10.6	5.3	5.3	10.6	2	2	2	2	2	1.4	3.4	3.4	3.4	3.4	10.7	16.2	10.7	12.4	12.4	42.75862	41.36364			
15V19EE005	5.8	5.8	11.6	5.8	5.8	11.6	5.8	5.8	11.6	2	2	2	2	2	5.8	5.8	5.8	5.8	5.8	13.6	19.4	-	10.7	10.7	36.89655	16.36364	The second second		201000
19V19EE006	4.5	4.5	9	4.5	4.5	9	4.5	4.5	9	2	2	2	2	,	3.6	3.6	3.6	3.6		10.1		13.6	13.6	13.6	46.89655	44.09091	46.89655	46.89655	70.070
15V19EE007	5.6	5.6	11.2	5.6	5.6	11.2	5.6	5.6	11.2	2	2	2	2	2	5.8	5.8	5.8	5.8	3.6	and the bridge of the second	14.6	10.1	10.1	10.1	34.82759	77.000		34.82759	34.827
15V19EE008	4.6	4.6	9.2	4.6	4.6	9.2	4.6	4.6	9.2	3	2	2	- 1	- 1	3.8	3.0			5.8	13.4	19	13.4	13.4	13.4	46.2069	43.18182	46.2069	46.2069	46.206
15V19EE009	5.3	5.3	10.6	5.3	5.3	10.6	5.1	5.3	10.6	2	1		2		1.8	3.8	3.8	3.8	3.8	10.4	15	10.4	10.4	10.4	35.86207	34.09091	35.86207	35.86207	
15V19EE011	6.6	6.6	13-2	6.6	6.6	13.2	6.6	5.6	13.2	3	- 1	- 1				3.8	3.8	3.8	1.8	11.1	16.4	11.1	11.1	11.1	38.27586	37.27273	38.27586	38.27586	38.275
15V19EE012	5.5	5.5	11	5.5	5.5	11	5.5	5.5	11	-	-		-	-	5.8	5.8	5.8	5.8	5.8	14.4	21	14.4	14.4	14.4	49.65517	47.72727	49.65517	49.65517	49.655
15V19EE013	5.8	5.8	11.6	5.8	5.8	11.6	5.8	5.8	11.6				2	- 2	3.8	3.8	3.8	3.8	1.8	11.3	16.8	11.3	11.3	11.3	38.96552	38.18182	38.96552	38.96552	38.9655
15V19EE014	3.6	3.6	2.3	1.6	3.6	7.2	3.6	1.6	The second second second	- 4	- 4		2	1	3.2	3.2	3.2	3.2	- 3.2	11					37.93103	August 1		1000	
15V19EE016	5	5	10	1	1.0	10	3.0	1.0	7.2	-	- 2	- 1	2	2	2.2	2.2	2.2	2.2	2.2	7.8	11.4	7.8	7.8	7.8	26.89655	25.90909	26-89655	26.89655	26.8965
15V19EE017	6.6	6.6	13.2	6.6	6.6	-			10		- 2	- 2	2	2	3.8	3.8	3.8	3.8	3.8	10.8	15.8	10.8	10.8	10.8	37.24138	35.90909	37.24138	37.24138	37.241
15V19EE020	5.6	5.6	11.2	5.6		13.2	0.0	6.5	13.1	2	- 2	2	2	2	6.8	6.8	6.8	6.8	6.8	15.4	22	15.4	15.4	15.3	53.10345	50	53.10345		
15V20EE400	5.5	5.5			5.6	11.2	5.6	5.8	11.4	2	- 2	2	2	2	4.8	4.8	4.8	4.8	4.8	12.4	18	12.4	12.4	12.6	42.75862	40.90909	42.75862	The state of the s	
The State of the S	5.6	3.3	11	5.5	5.5	11	5.5	5.5	11	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	12.1	17.6	12.1	12.1	12.1	41.72414	40	41.72414	Management Company of the Land	and the second second
15V20EE401	many physical and	5.0	11.2	5.6	5.6	11.2	5.6	5.6	11.2	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	11.8	17.4	11.8	11.8	11.8	40.68966	39.54545	40 68966	40.68966	
SV20EE402	5.5	3.5	- 11	5.5	5.5	11	5.5	5.5	11	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	11.7	17.2	11.7	11.7	11.7	40.34483	39.09091	40.34483	40.34483	10.000
																				11.76667	17.27353	the state of the s	the second second second					40.73022	

PRINCIPAL SIET., TUMAKURU.

Head of the Department
Electrical & Electronics Engineering
Shridevi Institute of Engineering & Technology
TUMKUR-572196. 6 H 22

DEPARTMENT OF EEE

6 20.7

SUBJECT	CONTROL SYSTEM	SUBJECT CODE	18EE61

COURSE OUTCOME

CO1	Analyze and model electrical and mechanical system using analogous
CO2	Formulate transfer functions using block diagram and signal flow graphs.
CO3	Analyze the stability of control system, ability to determine transient and steady state time response.
CO4	Illustrate the performance of a given system in time and frequency domains, stability analysis using Root locus and Bode plots
CO5	Discuss stability analysis using Nyquist plots, Design controller and compensator for a given specification

PROGRAM OUTCOME

PO1 Engineering knowledge: An ability to apply knowledge of mathematics (including probability, statistics and discrete mathematics), science, and engineering for solving Engineering problems and Knowledge.

PO2 Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural

sciences, and engineering sciences.

PO3 Design / development of solutions: An ability to design solution for engineering problems and design system components or process to meet desired specifications and needs.

- PO4 Conduct investigations of complex Problem: An ability to identify, formulate, comprehend, analyze, design synthesis of the information to solve complex engineering problems and provide valid conclusions.
- PO5 Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling to complex engineering activities.
- PO6 The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues.
- PO7 Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- PO8 Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- PO9 Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- PO10 Communication: Communicate effectively on complex engineering activities with the engineering community and with the society.
- PO11 Project management and finance: An ability to use the modern engineering tools, techniques, skills and management principles to do work as a member and leader in a team, to manage projects in multidisciplinary environments.

PO12 Life-long learning: A recognition of the need for, and an ability to engage in, to resolve contemporary issues and acquire lifelong learning.

Head of the Department
Electrical & Electronics Engineering
Shridevi Institute of Engineering & Technology
TUMKUR-572106.

FACULTY	NAM	E	TANU.	JA K S								
BRAN	СН		H	EEE		A	CAD	EMIC Y	EAR		202 D	2024
COURSE	B.I	Ξ	SEM	ESTE	R	VI	5	SECTIO	N			
SUBJECT		CC	ONTRO	DL SYS	STEM	s		SUBJE	ст сс	ODE	18EE	61
CO & PO M	APPIN	G .										
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	3						-				
CO2	3	-	-	-				1	-			
CO3	2	3	-			-		1				
CO4	3	3	2	-	-	-			-			-
C05	2	2	3	-					-			
AVERAGE	2.6	2.75	2.5						-		-	
						OVE	RAL	L MAP	PING	OF SUE	BJECT	2.65

1000	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	50.98	1.52	1.52										
CO2	49.35	1.48											
CO3	50.98	1.01	1.52										
CO4	31.89	0.95	0.95	0.63									
CO5	49.67	0.99	0.99	1.49									
AVERAGE	46.574	1.18	1.25	0.56									
	W. Francisco				Religion (FIN	AL AT	TAIN	MENT	LEVEL	1.33

Head of the Department
Electrical & Electronics Engineering
Shridevi Institute of Engineering & Technology
TUMKUR-572106.

SEM: VI, EEE	1/	TEST	1	1/	TEST	2	1	A TEST	3		*	Assi	nment			-		SE	E		•			Total					Average		
USN	CO1	CO2	TOTAL	CO3	CO4	TOTAL	CO4	CO5	TOTAL	CO1	CO2	CO3	CO4	CO5	TOTAL	CO1	CO2	CO3	CO4	COS	TOTAL	CO1(34)	CO2(34)	CO3(34)	GO4(54)	CO5(34)	CO1(34)	CO2(34)	CO3(34)	CO4(54)	CO5(34
15V17EE006	12	11	23	12	12	24	12	13	25	2	2	2	2	2	10	5.4	5.4	5.4	5.4	5.4	27	19.4	18.4	19.4	19.4	20.4	0.57	0.54	0.57	0.36	0.60
1SV17EE012	10	6	16	10	8	18	10	7	17	2	2	2	2	2	10	5	5	5	5	5	25	17	13	17	15	14	0.50	0.38	0.50	0.28	0.41
15V18EE002	9	3	12	11	0	11	14	-1	13	2	2	2	2	2	10	5.2	5.2	5.2	5.2	5.2	26	16.2	10.2	18.2	7.2	6.2	0.48	0.30	0.54	0.13	0.18
15V18EE003	7	19	26	9	19	28	13	14	27	2	2	2	2	2	10	5.2	5.2	5.2	5.2	5.2	26	14.2	26.2	16.2	26.2	21.2	0.42	0.77	0.48	0.49	0.62
15V18EE004	8	16	24	7	18	25	10	16	26	2	2	2	2	2	10	5.4	5.4	5.4	5.4	5.4	27	15.4	23.4	14.4	25.4	23.4	0.45	0.69	0.42	0.47	0.69
15V18EE005	11	14	25	8	16	24	. 11	15	26	2	2	2	2	2	10	4.6.	4.6	4.6	4.6	4.6	23	17.6	20.6	14.6	22.6	21.6	0.52	0.61	0.43	0.42	0.64
15V18EE006	14	9	23	12	10	22	10	11	21	2	2	2	2	2	10	6.4	6.4	6.4	6.4	6.4	32	22.4	17.4	20.4	18.4	19.4	0.66	0.51	0.60	0.34	0.57
15V18EE007	12	0	12	13	-2	11	9	4	13	2	2	2	2	2	10	3.8	3.8	3.8	3.8	3.8	19	17.8	5.8	18.8	3.8	9.8	0.52	0.17	0.55	0.07	0.29
15V18EE008	11	15	26	14	11	25	7	20	27	2	2	2	2	2	10	4.8	4.8	4.8	4.8	4.8	24	17.8	21.8	20.8	17.8	26.8	0.52	0.64	0.61	0.33	0.79
15V18EE009	10	3	13	12	3	15	8	4	12	2	2	2	2	2	10	3.2	3.2	3.2	3.2	3.2	16	15.2	8.2	17.2	8.2	9.2	0.45	0.24	0.51	0.15	0.27
15V18EE011	9.	7	16	10	8	18	11	6	17	2	, 2	2	2	2	10	4.2	4.2	4.2	4.2	4.2	. 21	15.2	13.2	16.2	14.2	12.2	0.45	0.39	0.48	0.26	0.36
15V18EE012	8	5	13	11	0	11	13	-1	12	2	2	2	2	2	10	4.2	4.2	4.2	4.2	4.2	21	14.2	11.2	17.2	6.2	5.2	0.42	0.33	0.51	0.11	0.15
15V19EE400	8	12	20	9	13	22	14	7	21	2	2	2	2	2	10	4.6	4.6	4.6	4.6	4.6	23	14.6	18.6	15.6	19.6	13.6	0.43	0.55	0.46	0.36	0.40
15V19EE401	10	6	16	7	11	18	13	6	19	2	2	2	2	2	10	5	5	5	5	5	25	17	13	14	18	13	0.50	0.38	0.41	0.33	0.38
15V19EE402	14	11	25	6	20	26	12	15	27	2	2	2	2	2	10	4.4	4.4	4.4	4.4	4.4	22	20.4	17,4	12.4	26.4	21.4	0.60	0.51	0.36	0.49	0.63
15V19EE403	12	14	26	12	13	25	10	17	27	2	2	2	2	2	10	5.6	5.6	5.6	5.6	5.6	28	19.6	21.6	19.6	20.6	24.6	0.58	0.64	0.58	0.38	0.72
15V19EE404	14	13	27	14	12	26	11	14	25	2	2	2	2	2	10	4.2	4.2	4.2	4.2	4.2	21	20.2	19.2	20.2	18.2	20.2	0.59	0.56	0.59	0.34	0.59
1SV19EE405	10	15	25	12	15	27	12	14	26	2	2	2	2	2	10	5.8	5.8	5.8	5.8	5.8	29	17.8	22.8	19.8	22.8	21.8	0.52	0.67	0.58	0.42	0.64
TOTAL	189	179	368	189	187	376	200	181	381	36	36	36	36	36	180	87	87	87	87	87	435	312	302	312	310	304	9.18	8.88	9.18	5.74	8.94
otal student	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
Avearge	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	50.98	49.35	50.98	31.89	49.67

18EE61 CS 2020-21

Demander (Semangelle)

Head of the Department
Electrical & Electronics Engineering
evi Institute of Engineering & Technology
TUMKLIRS52406

DEPARTMENT OF EEE

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SUBJECT	POWER SYSTEM ANALYSIS 1	SUBJECT CODE	18EE62

COURSE OUTCOME

CO1	Model the power system components & construct per unit impedance diagram of power system.
CO2	Analyze three phase symmetrical faults on power system.
CO3	Compute unbalanced phasor in terms of sequence components and vice versa, also develop sequence networks.
CO4	Analyze various unsymmetrical faults on power system.
CO5	Examine dynamics of synchronous machine and determine the power system stability

PROGRAM OUTCOME

- PO1 Engineering knowledge: An ability to apply knowledge of mathematics (including probability, statistics and discrete mathematics), science, and engineering for solving Engineering problems and Knowledge.
- PO2 Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- PO3 Design / development of solutions: An ability to design solution for engineering problems and design system components or process to meet desired specifications and needs.
- PO4 Conduct investigations of complex Problem: An ability to identify, formulate, comprehend, analyze, design synthesis of the information to solve complex engineering problems and provide valid conclusions.
- PO5 Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling to complex engineering activities.
- PO6 The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues.
- PO7 Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- PO8 Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- PO9 Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- PO10 Communication: Communicate effectively on complex engineering activities with the engineering community and with the society.
- PO11 Project management and finance: An ability to use the modern engineering tools, techniques, skills and management principles to do work as a member and leader in a team, to manage projects in multidisciplinary environments.
- PO12 Life-long learning: A recognition of the need for, and an ability to engage in, to resolve contemporary issues and acquire lifelong learning.

Head of the Department
Electrical & Electronics Engineering
Shridevi Institute of Engineering & Technology
TUMKUR-572106.

PRINCIPA:

COLLEGE		SHRI	DEVI 1	NSTIT	TUTE	OF EN	GIN	EERING	G & TI	ECHNO	LOGY	
FACULTY	NAM	EU	JMAB	AI						*		
BRAN	СН		E	EE		, A	CADI	EMIÇ Y	EAR		2020-2	021
COURSE	B.I	E	SEM	ESTEI	2	VI	S	ECTIO	N .			
SUBJECT	P	OWE	R SYST	ГЕМ А	NAL	SIS 1		SUBJE	ст сс	DDE.	, 18EE	62
CO & PO M	APPIN	NG										
	PO1	PO2	PO3	PO4	PO5	PO5 PO6		PO8	PO9	PO10	PO11	PO12
COI	3	3	-			0.	1				-	
CO2	3	3			-		1			-		
CO3	2	3				1		-				
CO4	2	3		3	-	1		-	1			2
CO5	. 2	3		3		1	1		1			2
AVERAGE-	2.4	3		3	10.	1	1		1			2
			107			OVI	ERAL	L MAP	PING	OF SUI	BJECT	1.92

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	61.7	1.851	1.851										
CO2	52.4	1.572	1.572					0.524					
CO3	62.0	1.24	1.86		1.86	8.1	0.62						
CO4	57.5	1.15	1.725		1.725		0.575			0.575			1.15
CO5	60.9	1.21	1.82		1.82		0.609	0.609		0.609			1.21
AVERAGE	58.9	1.40	1.76		1.8		0.601	0.566		0.592			1.18
	MH I							FIN	AL A	TAIN	MENT I	EVEL	1.047

G. HRmuz

Head of the Department
Electrical & Electronics Engineering
Shridevi Institute of Engineering & Technology
TUMKUR-572106.

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near or here I		TERRE	T .		A TEST	r 2	1	A TES	T 3 1	_		Assign	ment					5	EE					TOTAL	L .				AVER	AGE	,
SEM: VI, EEE	-	A TES	THE OWNER OF THE OWNER, THE OWNER	-	CO4	TOTAL	C04	COS	TOTAL	COI	_	and the same of	CO4	COS	TOTAL	CO1	CO2	_	CO4	CO5	TOTAL	CO1	CO2	CO3	CO4 :	CO5	CO1	CO2	CO3	CO4	CO5
USN	COI	-	TOTAL	CO3		-		16	27	4	4	A	4	A	20	5.4	5.4	5.4	5.4	5.4	27	20.4	24.4	20.4	34.4	25.40	0.60	0.72	0.60	0.64	0.75
15V17EE006	11	15	26	11	14	25	11	16	-	4	4	-	-	-	20	6	5.4	5	5	5	25	21	13	21	27	14.00	0.62	0.38	0.62	0.50	0.41
1SV17EE012	12	4	, 16	12	- 6	18 .	12	5	17	4	4	4	. 4	4	-	5.3	5.2	6.2	5.2	5.2	26	22.2	14.2	22.2	29.2	15.20	0.65	0.42	0.65	0.54	0.45
15V18EE002	13	5	18	13	7	20	13	6	19	4	4	4	4	4	20	5.2		5.2	-	5.2	26	21.2	24.2	23.2	33.2	22.20	0.62	0.71	0.68	0.61	0.65
1SV18EE003	12	15	27	14	10	24	14	13	27	4	4	4	4	4	20	5.2	5.2	5.2	5.2		27	23.4	13.4	24.4	26.4	22.40	0.69	0.39	0.72	0.49	0.66
15V18EE004	14	4	18	15	5	20	12	13	25	4	4	4	4	4	20	5.4	5.4	5.4	5.4	5.4	23	20.6	20.6	20.6	39.6	-	0.61	0.61	0.61	0.73	0.75
1SV18EE005	12	12	24	12	18	30	13	17	30	4	4	4	4	4	20	4.6	4.6	4.6	4.6	4.6	23	-	20.6	23.4	38.4	23.40	0.69	0.63	0.69	0.71	0.69
15V18EE006	13	11	24	13	- 14	27	14	13	27	4	4	4	4	4	20	6.4	6.4	6.4	6.4	6.4	32	23.4	21.4	-	17.8	-	0.64	0.08	0.64	0.33	0.32
15V18EE007	14	-5	9	14	-2	12	12	3	15	4	4	4	4	4	20	3.8	3.8	3.8	3.8	3.8	19	21.8	2.8	21.8	-	-	-	_	0.61	0.57	0.87
1SV18EE008	12	13	25	12	12	24	10	19	29	4	4	4	4	4	20	4.8	4.8	4.8	4.8	4.8	24	20.8	21.8	20.8	30.8	-	0.61	0.64	0.51	0.45	0.48
15V18EE009	12	0	12	10	7	17	10	9	19	4	4	4	4	4	20	3.2	3.2	3.2	3.2	3.2	16	19.2	7.2	17.2	24.2	-	0.56	0.21	-		
1SV18EE011	13	11	24	12	8	20	12	13	25	4	4	4	4	4	20	4.8	4.8	4.8	4.8	4.8	24	21.8	19.8	20.8	28.8	-	0.64	0.58	0.61	0.53	0.64
1SV18EE012	12	-4	- 8	13	-1	12	13	-3	10	4	4	4	4	4	20	2.8	2.8	2.8	2.8	2.8	14	18.8	2.8	19.8	18.8	_	0.55	0.08	0.58	0.35	0.11
15V19EE400	10	20	30	14	16	30	10	20	30	4	4	4	4	4	20	4.6	4.6	4.6	4.6	4.6	23	18.6	28.6	22.6	34.6	-	0.55	0.84	0.66	0.64	0.84
1SV19EE401	10	8	18	12	8	20	12	13	25	4	4	4	4	4	20	5	5	5	5	5	25	19	17	21	29	22.00	0.56	0.50	0.62	0.54	0.65
15V19EE402	11	19	30	10	14	24	13	17	30	4	4	4	4	4	20	5.8	5.8	5.8	5.8	5.8	29	20.8	28.8	19.8	36.8	26.80	0.61	0.85	0.58	0.68	0.79
15V19EE403	12	12	24	10	15	25	12	17	29	4	4	4	4	4	20	5.6	5.6	5.6	5.6	5.6	28	21.6	21.6	19.6	36.6	26.60	0.64	0.64	0.58	0.68	0.78
15V19EE404	12	8	20	12	13	25	13	11	24	4	4	4	4	4	20	4.2	4.2	4.2	4.2	4.2	21	20.2	16.2	20.2	34.2	19.20	0.59	0.48	0.59	0.63	0.56
-		_		-	16	27	14	11	25	4	4	4	4	4	20	5.8	5.8	5.8	5.8	5.8	29	22.8	22.8	20.8	39.8	20.80	0.67	0.67	0.61	0.74	0.6
1SV19EE405	13	13	26	11	10	21	14	- 11	2.5	-	-	-	-	-	20			-10													
TOTAL	218	161	379	220	180	400	220	213	433	72	72	72	72	72	360	87.6	88	87.6	87.6	87.6	438	378	321	379.6	559.6	372.6	-	9.429	11.16	10.363	10.95882
Total students	18	18	18	18	18	18	.18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
Average	12.1	8.94	21.056	12.22	10	22.222	12.2	11.8	24.056	4	4	4	4	4	20	4.87	4.9	4.87	4.87	4.87	24.33	21	17.8	21.09	31.09	20.7	61.7	52.39	62.03	57.572	60.882353

POWER SYSTEM 18EE62 2020-21



SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

SIRA ROAD, TUMKUR- 572 106.

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

SUBJECT	DIGITAL SIGNAL PROCESSING	SUBJECT CODE	18EE63	
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COURSE OUTCOME

CO1: Apply DFT and IDFT to perform linear filtering techniques on given sequences to determine the output.

CO2: Apply fast and efficient algorithms for computing DFT and inverse DFT of a given sequence

CO3: Design and realize infinite impulse response Butterworth and Chebyshev digital filters using impulse invariant and bilinear transformation techniques

CO4: Develop a digital IIR filter by direct, cascade, parallel, ladder and FIR filter by direct, cascade and linear phase methods of realization

CO5: Design and realize FIR filters by use of window function and frequency sampling method PROGRAM OUTCOMES

PO1 Engineering knowledge: An ability to apply knowledge of mathematics (including probability, statistics and discrete mathematics), science, and engineering for solving Engineering problems and Knowledge.

PO2 Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3 Design / development of solutions: An ability to design solution for engineering problems and design system components or process to meet desired specifications and needs.

PO4 Conduct investigations of complex Problem: An ability to identify, formulate, comprehend, analyze, design synthesis of the information to solve complex engineering problems and provide valid conclusions.

PO5 Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling to complex engineering activities.

PO6 The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues.

PO7 Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO8 Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9 Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10 Communication: Communicate effectively on complex engineering activities with the engineering community and with the society.

PO11 Project management and finance: An ability to use the modern engineering tools, techniques, skills and management principles to do work as a member and leader in a team, to manage projects in multidisciplinary environments.

PO12 Life-long learning: A recognition of the need for, and an ability to engage in, to resolve contemporary issues and acquire lifelong learning.

Head of the Department
Electrical & Electronics Engineering
Shridevi Institute of Engineering & Technology
TUMKUR-572106

COLLEGE		SHR	IDEVI	INSTI	TUTE	OF E	NGIN	EERIN	G & T	ECHNO	DĻOGY	
FACULTY	NAM	Œ	Mr. G.	H. RA	VIKU	MAR	14.1					
BRAN	СН		. 1	EEE		A	CADI	EMIC Y	EAR		2020	-21
COURSE	В.	E	SEM	ESTE	R	VI	S	ECTIO	N		EEE	
SUBJECT	Ď	IGITA	L SIG	NAL P	ROCE	SSINC		SUBJE	CT C	ODE	18EI	E63
CO & PO M	APPI	NG										er n
			PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12		
CO1	1 - 2 3						*1					
CO2	3	2	2									
C03	3	2	2		2							-
CO4	3	2	2	-	2				-			-
CO5	2	3			2							
AVERAGE	2.6	2.4	2		2							
AL BELL		i i i				OVE	RAL	L MAP	PING	OF SUE	BJECT	2.25

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	64.41	1.288	1.932		-					-	-		
CO2	53.82	1.614	1.076	1.076				-	-	-	-	-	-
.CO3	64.4	1.932	1.288	1.288	•	1.288		-					
CO4	64.41	1.932	1.288	1.288	-	1.288	-		-		1020	-	
CO5	56.17	1.123	1.685		-	1.123		-	-				
AVERAGE		1.577	1.453	1.217		1.233	(7)=		anziel		-	-	
	語標				18.00			FIN.	AL AT	TAINN	MENT I	EVEL	1.37

Head of the Department
Electrical & Electronics Engineering
Shridevi Institute of Engineering & Technology
TUMKUR-572106.

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USN		_	TOTAL		-	-		-	and the same of th	The second second	and the second		and the latest designation of			CO2	CO3	CO4	cos		CO2(44)					-	CO3			SEE (2	U.S1)
		_	_	6		_			_	COI		COS	CO4	cos	_					-	-		-		-	202		-	-	27	-
SV17EE006	10	5	15	5	10	15	10	5	15	4	4	4	4	4.	5.4	5.4	5.4	5.4	5.4	19.4	19.4	19.4	19.4		66.90				-		5
SV17EE012	10-	8	18	8	10	18	10	8	18	4	4	4	4	4	5	5	5	5	5	19	25	19	19	17	65.52	56.82	65.5	65.52	58.62	25	3
SV18EE002	10	2	12	2	10	12	10	2	12	4	4	4	4	4	5.2	5.2	5.2	5.2	5.2	19.2	13.2	19.2	19.2	11.2	66.21	30.00	66.2	66.21	38.62	26	5
ISV18EE003	- 11	10	21	10	11	21	11	10	21	4	4	4	4	4	5.2	5.2	5.2	5.2	5.2	20.2	29.2	20.2	20.2	19.2	69.66	66.36	69.7	69.66	66.21	26	5
ISV18EE004	7	6	13	6	7	13	7	6	13	4	4	4	4	4	5.4	5.4	5.4	5.4	5.4	16.4	21.4	16.4	16.4	15.4	56.55	48.64	56.6	56.55	53.1	27	5.
15V18EE005	12	8	20	8	12	20	12	8	20	4	4	4	4	4	4.6	4.6	4.6	4.6	4.6	20.6	24.6	20.6	20.6	16.6	71.03	55.91	71	71.03	57.24	23	4
15V18EE006	10	8	18	8	10	18	10	8	18	4	4	4	4	4	6.4	6.4	6.4	6.4	6.4	20.4	26.4	20.4	20.4	18.4	70.34	60.00	70.3	70.34	63.45	32	6
1SV18EE007	6	7	13	7	6	13	6	2	13	4	4	4	4	4	3.8	3.8	3.8	3.8	3.8	13.8	21.8	13.8	13.8	-	47.59	49.55	-	-	51.03		3
15V18EE008	8	10	18	10	8	18	8	10	18	4	4	4	4	4	4.8	4.8	4.8	4.8	4.8	16.8	28.8	16.8	16.8	-	57.93	-	57.9	-	-	24	4
15V18EE009	6	6	12	6	6	12	6	6	12	4	4		4	4	3.2	3.2	3.2	3.2	3.2	13.2	19.2	13.2	13.2	_	-	43.64	-		-	16	3
15V18EE011	9		17		9	17	0	8	17	-	-	-	-	-	4.8	4.8	4.8	4.8	4.8	17.8	24.8	17.8	17.8	-	-	56.36		-	57.93		4
	,		-		-		9			-	-	-	4	4	-	-	-	-	-	-		_	-	-		-	-	-	-		+
1SV18EE012	8	/	15	/	8	15	8	1	15	4	4	-4	4	4	3.4	3.4	3.4	3.4	3.4	15.4	21.4	15.4	-15.4		-		53.1		49.66	23	3
15V19EE400	10	13	23	13	10	23	10	13	23	4	4	4	4	4	4.6	4.6	4.6	4.6	4.6	18.6	34.6	18.6	18.6	-		78.64	-	64.14			4.
15V19EE401	8	8	16	8	8	16	8	8	16	4	4	4	4	4	5	5	5	5	5	17	25	17	17	17	58.62	56.82	58.6	58.62	58.62	25	
15V19EE402	10	7	17	7	10	17	10	7	17	4	4	4	4	4	5.8	5.8	5.8	5.8	5.8	19.8	23.8	19.8	19.8	16.8	68.28	54.09	68.3	68.28	57.93	29	5
ISV19EE403	15	5	20	5	15	20	15	5	20	4	4	4	4	4	5.6	5.6	5.6	5.6	5.6	24.6	19.6	24.6	24.6	14.6	84.83	44.55	84.8	84.83	50.34	28	5
1SV19EE404	15	7	22	7	15	22	15	7	22	4	4	4	4	4	4.2	4.2	4.2	4.2	4.2	23.2	22.2	23.2	23.2	15.2	80.00	50.45	80	80.00	52.41	21	4
LSV19EE405	11	8	19	8	11	19	11	8	19	4	4	4	4	4	5.8	5.8	5.8	5.8	5.8	20.8	25.8	20.8	20.8	17.8	71.72	58.64	71.7	71.72	61.38	29	5
				-											5																
					-	-											-								64.41	63.01	64.4	64.41	56.17	22.60	1
		_																							04.41	33.07	04.4	04.41	30.17	22.03	1_

G - If R and Head of the Department Electrical & Electronics = Shrider:

DEPARTMENT OF EEE

SUBJECT

NON COVENTIAL ENERGY RESOURCES

SUBJECT CODE

18ME651

COURSE OUTCOME

CO1	Describe the environmental aspects of non-conventional energy resources. In Comparison with various conventional energy systems, their prospects and limitations.
CO2	Know the need of renewable energy resources, historical and latest developments
CO3	Describe the use of solar energy and the various components used in the energy production with respect to applications like-heating, cooling, desalination, power generation, drying, cooking etc.
CO4	Appreciate the need of Wind Energy and the various components used in energy generation and know the classifications.
CO5	Understand the concept of Biomass energy resources and their classification, types of biogas Plants- applications

PROGRAM OUTCOME

PO1 Engineering knowledge: An ability to apply knowledge of mathematics (including probability, statistics and discrete mathematics), science, and engineering for solving Engineering problems and Knowledge.

PO2 Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural

sciences, and engineering sciences.

PO3 Design / development of solutions: An ability to design solution for engineering problems and design system components or process to meet desired specifications and needs.

PO4 Conduct investigations of complex Problem: An ability to identify, formulate, comprehend, analyze, design synthesis of the information to solve complex engineering problems and provide valid conclusions.

PO5 Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling to complex engineering activities.

PO6 The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues.

PO7 Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO8 Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9 Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10 Communication: Communicate effectively on complex engineering activities with the engineering community and with the society.

PO11 Project management and finance: An ability to use the modern engineering tools, techniques, skills and management principles to do work as a member and leader in a team, to manage projects in multidisciplinary environments.

PO12 Life-long learning: A recognition of the need for, and an ability to engage in, to resolve

contemporary issues and acquire lifelong learning.

Head of the Department
Electrical & Electronics Engineering
Shridevi Institute of Engineering & Technology
TUMKUR-572106.

COLLEGE		SHRI	DEVI	INSTI	TUTE	E OF E	NGIN	EERIN	G & T	ECHNO	DLOGY	
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BRAN	СН		H	EEE		A	CADI	EMIC Y	EAR		2020-2	2021
COURSE	B.I	E	SEM	ESTE	R	IV	S	SECTIO	N		EEE	In
SUBJECT	N	NON C	ONVE	OURC		ERGY		SUBJE	CT C	ODE	18ME	651
CO & PO M	APPIN	iG										
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1			-		-	1	3					2
CO2	-	3				1	2					2
CO3					3	1	3	10.00				2
CO4	•	-	-		3	1	3	-	-	-	- 1	2
CO5		1				1	3					2
AVERAGE		3	-		3	1	2.57			-		2
						OVE	RAL	L MAPI	PING	OF SUE	BJECT	

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	51		-	-	-	-	0.51	1.53	-				0.20
CO2	54	-	1.62	-			0.54	1.08					1.08
CO3	55				-	1.65	0.55	1.65					1.1
CO4	33	·		-		0.99	0.33	0.99					0.66
CO5	53						0.53	1.59			-		1.06
AVERAGE	49.2	-	1.62		-	1.32	0.49	1.36		-			0.82
								FINA	AL AT	TAINN	1ENT L	EVEL	1.12

Head of the Department
Electrical & Electronics Engineering
Shridevi Institute of Engineering & Technology
TUMKUR-572106.

SEM,VI,EEE	IA	TES	TI	1	A TES	ST 2		IA TE	ST 3			Assi	gnme	nt		*		SE	E			Total		2.					Α	VERAGE	
USN	COL	CO2	POTAI	CO3	CO4	TOTAL	CO4	CO5	TOTAL	COI	CO2	CO ₃	CO4	CO5	TOTAL	CO1	CO2	CO3	CO4	CO5	TOTAL	CO1(34)	CO2	CO3	CO4	CO5	CO1(34)	CO2(34	CO3(34)	CO4(54)	CO5(34)
15V17EE006	14	12	26	13	12	25	12	15	27	2	2	2	2	2	10	3.4	3.4	3.4	3.4	3.4	27	19.4	17.4	18.4	17.4	20.4	0.57	0.51	0.54	0.32	0.60
1SV17EE012	12	7	19	4	11	15	11	6	17	2	2	2	2	2	10	5	5	5	5	5	25	19	14	11	18	13	0.56	0.41	0.32	0.33	0.38
15V18EE002	9	11	20	8	10	18	10	9 -	19	2	2	2	2	2	10	5.2	5.2	5.2	5.2	5.2	26	16.2	18.2	15.2	17.2	16.2	0.48	0.54	0.45	0.32	0.48
1SV18EE003	8	18	26	16	11	27	14	11	25	2	2	2	2	2	10	5.2	5.2	5.2	5.2	5.2	26	15.2	25.2	23.2	21.2	18.2	0.45	0.74	0.68	0.39	0.54
15V18EE004	10	10	20	8	14	22	13	8	21	2	2	2	2	2	10	5.4	5.4	5.4	5.4	5.4	27	17.4	17.4	15.4	20.4	15.4	0.51	0.51	0.45	0.38	0.45
15V18EE005	11	18	29	17	10	27	9	19	28	.2	2	2	2	2	10	4.6	4.6	4.6	4.6	4.6.	23	17.6	24.6	23.6	15.6	25.6	0.52	0.72	0.69	0.29	0.75
15V18EE006	12	15	27	19	9	28	8	18	26	2	2	2	2	2	10	6.4	6.4	6.4	6.4	6.4	32	20.4	23.4	27.4	16.4	26.4	0.60	0.69	0.81	0.30	0.78
15V18EE007	14	-4	10	3	8	11	9	3	12	2	2	2	2	2	10	3.8	3.8	3.8	3.8	3.8	19	19.8	1.8	8.8	14.8	8.8	0.58	0.05	0.26	0.27	0.26
1SV18EE008	12	15	27	19	7	26	11	14	25	2	2	2	2	2	10	4.8	4.8	4.8	4.8	4.8	24	18.8	21.8	25.8	17.8	20.8	0.55	0.64	0.76	0.33	0.61
15V18EE009	11	5	16	13	5	18	12	2	14	2	2	2	2	2	10	3.2	3.2	3.2	3.2	3.2	16	16.2	10.2	18.2	17.2	7.2	0.48	0.30	0.54	0.32	0.21
15V18EE011	12	9	21	15	10	25	14	9	23	2	. 5	2	2	2	10	The second second	4.2	4.2	4.2	4.2	21	18.2	15.2	21,2	20.2	15.2	0.54	0.45	0.62	0.37	0.45
15V18EE012	10	1	11	-2	12	10	10	-1	9	2	2	2	2	2	10	4.2	4.2	4.2	4.2	4.2	21	16.2	7.2	4.2	16.2	5.2	0.48	0.21	0.12	0.30	0.15
15V19EE400	9	20	29	16	14	30	12	16	28	2	2	2	2	2	10		4.6	4.6	4.6	4.6	23	15.6	26.6	22.6	18.6	22.6	0.46	0.78	0.66	0.34	0.66
15V19EE401	8	12	20	7	12	19	11	10	21	2	2	2	2	2	10		5	5	5	5	25	15	19	14	18	17	0.44	0.56	0.41	0.33	0.50
15V19EE402	7	22	29	16	11	27	10	18	28	2	2	2	2	2	10		4.8	4.8	4.8	4.8	24	13.8	28.8	22.8	16.8	24.8	0.41	0.85	0.67	0.31	0.73
15V19EE403	10	14	24	16	10	26	12	16	28	2	2	2	2	2	10	-	5.6	5.6	5.6	5.6	28	17.6	21.6	23.6	19.6	23.6	0.52	0.64	0.69	0.36	0.69
15V19EE404	12	9	21	13	11	24	10	13	23	2	2	2	2	2	10	4.2	4.2	4.2	4.2	4.2	21	18.2	15.2	19.2	16.2	19.2	0.54	0.45	0.56	0.30	0.56
1SV19EE405	12	15	27	16	12	28	12	14	26	2	2	2	2	2	10	5.8	5.8	5.8	5.8	5.8	29	19.8	22.8	23.8	19.8	21.8	0.58	0.67	0.70	0.37	0.64
OTAL	193	209	402	217	189	406	-	200	400	36	36	36	36	36	180	85.4	85.4	85.4	85.4	85.4	437	314.4	330.4	338.4	321.4	321.4	9.2471	9.718	9.952941	5.951852	9.45294
otal students	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
Avearge	11	12	22	12	11	23	11	11	22	2	2	2	2	2	10	5	5	5	5	5	24	17	18	19	18	18	51	54	55	33	53

18ME651 NCES 2020-21

PRINCIPAL SIET, TUMAKURU.

Bectrical & Electronics Engineering institute of Engineering & Technology



SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY SIRA ROAD, TUMKUR- 572 106.

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGG

SUBJECT	POWER SYSTEM OPERATION & CONTROL	SUBJECT CODE	17EE81
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COURSE OUTCOME

CO1	Describe various levels of controls in power systems, architecture and configuration of SCADA.
CO2	Develop and analyze mathematical models of Automatic Load Frequency Control.
CO3	Develop mathematical model of Automatic Generation Control in Interconnected Power system
CO4	Discuss the Control of Voltage, Reactive Power and Voltage collapse.
CO5	Explain security, contingency analysis, state estimation of power systems.

PROGRAM OUTCOMES

- PO1 Engineering knowledge: An ability to apply knowledge of mathematics (including probability, statistics and discrete mathematics), science, and engineering for solving Engineering problems and Knowledge.
- PO2 Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- PO3 Design / development of solutions: An ability to design solution for engineering problems and design system components or process to meet desired specifications and needs.
- PO4 Conduct investigations of complex Problem: An ability to identify, formulate, comprehend, analyze, design synthesis of the information to solve complex engineering problems and provide valid conclusions.
- PO5 Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling to complex engineering activities.
- PO6 The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues.
- PO7 Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- PO8 Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- PO9 Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- PO10 Communication: Communicate effectively on complex engineering activities with the engineering community and with the society.
- PO11 Project management and finance: An ability to use the modern engineering tools, techniques, skills and management principles to do work as a member and leader in a team, to manage projects in multidisciplinary environments.
- PO12 Life-long learning: A recognition of the need for, and an ability to engage in, to resolve contemporary issues and acquire lifelong learning.

Head of the Department
Electrical & Electronics Engineering
Shridevi Institute of Engineering & Technology
TUMKUR-572196.

COLLEGE		SHR	IDEVI	INSTI	TUTE	OF E	NGIN	EERIN	G & T	ECHNO	DLOGY	1
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BRAN	СН		ı	EEE		A	CAD	EMIC Y	EAR		2020	-21
COURSE	B.	E	SEM	ESTE	R	v	1	SECTIO	N		EEE	
SUBJECT	PC	OWER	SYST	EM OI		TION 6	&	SUBJE	CT C	ODE	17EI	E81
CO & PO M	APPI	NG										
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO1
	1	2	3	4	5	6	7	8	9	10	11	12
CO1	2	3	-	-				-	-	-	-	1
CO2	2	3	2				-		-	-		1
CO3	2	3 -	-		-	-		-	-			1
CO4	2	3	-	-		-		1.	-			1
CO5	2	3	-			-			-			1
AVERAGE	2	3		-	-	-			-		-	1
						OVE	RAL	L MAPI	PING (OF SUB	JECT	2

	CO%	PO1	PO2	PO3	PO4	PO5	P06	PO7	PO8	POO	PO10	PO11	PO12
	0070		.02	100		103	100	10,	100	10,	1010	ron	roiz
CO1	64.83	1.29	1.94				100						0.64
CO2	82.07	1.64	2.46										0.82
CO3	65.69	1.31	1.97										0.65
CO4	42.73	0.85	1.28		1111								0.42
CO5	85.95	1.71	2.57										0.85
AVERAGE	68.25	1.36	2.04										0.67
								FIN	AL AT	TAINN	MENT L	EVEL	1.35

Head of the Department
Electrical & Electronics Engineering
Shridevi Institute of Engineering & Technology
TUMKUR-572106.

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	2000	Ter village	Special	4	- 14	ETEST.	1		IA.TEST	3			Acia	girman	t				day.	egha		_	_									
SNV	COI	C02	TOTA	CDA		004	TOTAL	CO4	CO5	TOTA	eco:	Jenz.	001	CD4	Icos	TOTAL	001	003	lena	pi Washing	Total 1		-	-	TOTAL					Austage		
1711002	. 12	13	3 7	5	10	14	24	1	0 1	76	1	1	1	7	2	3 30	100	-	lous	CO4	005	TOTAL	CO1	C07	009	004	005	COI	002		C04	cos
170004	- 11		5 6	6	12	18	50	1	1 1	28	1	1			1	1 10	- 53	6.4	-	5.4	6.4	32	20.		4 18.4	18.4	34.4	0.703	0.718	3.634	The second	-
766005	- 9	19	1 2	8	14	15	29		2 1	29		1 -	1	-	-	1 10	1	5.2	5.2	5.2	5.2	26	18.	2 .22	2 19.2	18.2	74.3		0.756	0.662	0.418	0.1
765009	, ,	19	2	6		19	28	1	1 1	-	1	1 1		4	-	10	1.2	7.2	7.2	7.2	7.2	36	16.	2 29	23.2	21.2	26.2		0.972		0.414	
768610	11	13	3	4	. 2	15	22	1		-	1 1	+ 4	-	1		10					4	.40	1.	1 2	9 19	23	24	-	1.000	0.800	0.482	
8EE400	12	- 15	1 2	11	111	12	21		21		1	1	-	1	4	10	5.6	5.6	5.6	5.6	5.6	28	18.6	20	146	17.6	23.6	2000		0.655	0.523	
BEE-402	13	14	1 3	4	12	12	24				-	-	-	1	1	10	6.4	6.4	6.4	6.4	6.4	32	20.4			17.4	24.4		0.710	0.503	0.400	
AEE 403	10	16	1 3	-	12	13		_	- 11	-	1	- 3	1 3	1	2	10	4.2	4.2	42	4.2	4.2	21	18.2					1000000	0,807	0.669	0.355	0.8
A)	84			1	96	1000	The second line	-	14		3	- 7	1 2		2	10	7.4	7.4	7.4	7.4	7.4	37	19.4			15.2	25.2	0.678	0.447	0.628	0.345	0.0
Students		144		1	30	118	204	- 5-	133	217	16	14	16	16	10	: 80	50.4	50.4	50.4	50.4	50.4	252	150.4			19.4	27.4		9876	0.703	0.441	0.9
age	10.5	10.0			-3-				-				- 8		1			- 8					1,000	190	157.4	150.4	199.4	5.186207	6.565517	5.255172	3.418182	6.8756
	10.3	15.5	- 71	10	731	14.75	25.5	10.5	16.63	27.1	12	- 2	1 2	1	1	10	6.3	6.1	6.3	6.3	63	31.5	10.0		8	- 8				8		
															•			-			4.3	31.2	18.8	21.	19.05	18.8	24.925	64.63	62.07	45.69	42.73	85.1

2020-21 PSOC 17EE81

Head of the Department
Shri Electrical & Electronics Engineering & Technology
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SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

SIRA ROAD, TUMKUR- 572 106.

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

SUBJECT IND

INDUSTRIAL DRIVES & APPLICATIONS

SUBJECT CODE

17EE82

COURSE OUTCOME

- CO1: Explain the advantages, choice and control of electric drive
- CO2: Explain the dynamics, generating and motoring modes of operation of electric drives
- CO3: Explain the selection of motor power rating to suit industry requirements
- CO4: Analyze the performance & control of DC motor drives using controlled rectifiers
- CO5: Analyze the performance & control of converter fed Induction motor, synchronous motor & stepper motor drives

PROGRAM OUTCOMES

- PO1 Engineering knowledge: An ability to apply knowledge of mathematics (including probability, statistics and discrete mathematics), science, and engineering for solving Engineering problems and Knowledge.
- PO2 Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
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- P06 The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues.
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TUMKUR-572106.

COLLEGE		SHR	IDEVI	INSTI	FUTE	OF EN	GINI	EERING	G & T1	ECHNO	LOGY				
FACULTY	NAM	Œ :	Mr. G.	H. RA	VIKU!	MAR									
BRAN	СН		H	EEE		A	CADI	EMIC Y		2020-21					
COURSE	В.	E	SEM	ESTE	R	VIII	S	ECTIO	N		EEE				
SUBJECT		IND	USTRI			&		SUBJE	CT C	ODE	DE 17EE				
CO & PO M	APPI	NG						2							
	PO1.	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12			
CO1	2	-	-		-		-	-	-	-	-	2			
CO2	2	3	-	-		-		-	-	-13		2			
CO3	2	3	-	4		10-01		-				2			
CO4	2	3		1	-		-	-		-	-	2			
-C05	2	2	-				No.	-	-	4		2			
AVERAGE	2	2.75	-	7-1	-	-	No.		-		-	2			
	149					OVI	RAL	L MAP	PING	OF SUI	BJECT	2.25			

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	73.71	1.474						-	-	-		-	1.474
CO2	72.4	1.448	2.172	-			159	-					1.488
. CO3	77.6	1.552	2.328							6 -			1.552
CO4	73.3	1.466	2.199	-		-	i		-		-		1.466
CO5	73.59	1.471	1.471			2							1.471
AVERAGE		1.482	2.042		-								1.49
								FINA	LAT	TAIN	MENT I	EVEL	1.671

Head of the Department
Electrical & Electronics Engineering
Shridevi Institute of Engineering & Technology
TUMKUR-572108.

SEM :VIII	IA TEST 1 (30M Total strength 8								RIAL I	DRIVES	S & Al	PPLIC	C Subject Code 17EE82 .											20							
SEM:VIII	IA T	TEST 1 (30M)	IA T	EST 2	(30M)	IA T	EST 3	(30M)	1	ASSIGN	NEMEN	T(10)			SEE N	IARKS((60M)		T	otal Co	ATTAI	NMEN	T	Avg of individual CO					SEE (60	M)
USN	COI	CO2	TOTAL	CO3	CO4	TOTAL	CO4	CO5	TOTAL	COI	CO2	CO3	CO4	CO5	COI	CO2	CO3	CO4	CO5	CO1(29	CO2(29	CO3(29)	CO4(44	CO5(29)	COI	CO2	CO3	CO4	CO5		
1SV17EE002	12	12	24	15	9	24	9	15	24	2	2	. 2	2	2	7.4	7.4	7.4	7.4	7.4	21.4	21.4	24.4	27.4	24.4	73.8	73.8	84.1	62.3	84.1	37	7.4
1SV17EE004	14	14	28	15	13	28	13	15	28	2	2.	2	2	2	6	6	6	6	6	22	22	23	34	23	75.9	75.9	79.3	77.3	79.3	30	6
1SV17EE005	15	14	29	15	14	29	14	15	29	2	2	2	2	2	8.6	8.6	8.6	8.6	8.6	25.6	24.6	25.6	38.6	25.6	88.3	84.8	88.3	87.7	88.3	43	8.6
1SV17EE009	14	14	28	15	13	28	13	15	28	2	2	2	2	2	4.6	4.6	4.6	4.6	4.6	20.6	20.6	21.6	32.6	21.6	71.0	71.0	74.5	74.1	74.5	23	4.6
1SV17EE010	14	13	27	15	12	27	12	15	27	2	2	2	2	2	4.8	4.8	4.8	4.8	4.8	20.8	19.8	21.8	30.8	21.8	71.7	68.3	75.2	70.0	75.2	24	4.8
1SV18EE400	13	13	26	15	11	26	11	15	26	2	2	2	2	2	5	5	5	5	. 5	20	20	22	29	22	69.0	69.0	75.9	65.9	75.9	25	5
15V18EE401	14	14	28	15	13	28	13	15	28	2	2	2	2	2	1.6	1.6	1.6	1.6	1.6	17.6	17.6	18.6	29.6	18.6	60.7	60.7	64.1	67.3	64.1	8	1.6
1SV18EE402	15	14	29	15	14	29	14	15	29	2	2	2	2	2	6	6	6	6	6	23	22	23	36	23	79.3	75.9	79.3	81.8	79.3	30	6
										,										-		-				_					
		-																							73.71	72.4	77.6	73.3	77.59	27.5	

PRINCIPAL SIET. TUMAKURU

Head of the Department
Electrical & Electronics Engineering
Shridevi Institute of Engineering & Technology
TUMKUR-572106.

DEPARTMENT OF EEE

SUBJECT	OPERATING SYSTEM	SUBJECT CODE	17EE832
		THE PERSON AND THE PROPERTY OF THE PERSON AND THE P	

COURSE OUTCOME

CO1	Describe the basics of operating system mechanisms of OS to handle processes ,threads, and their communication
CO2	Analyze the memory management and its allocation policies.
CO3	Illustrate different conditions for deadlock and their possible solutions.
CO4	Discuss the storage management policies with respect to different storage management technologies
CO5	Evaluate the concept of the operating system with respect to UNIX, Linux ,Time and mobile OS

PROGRAM OUTCOME

PO1 Engineering knowledge: An ability to apply knowledge of mathematics (including probability,

statistics and discrete mathematics), science, and engineering for solving Engineering problems

and Knowledge.

- PO2 Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- PO3 Design / development of solutions: An ability to design solution for engineering problems and

design system components or process to meet desired specifications and needs.

PO4 Conduct investigations of complex Problem: An ability to identify, formulate, comprehend, analyze, design synthesis of the information to solve complex engineering problems and provide

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- PO5 Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling to complex engineering activities.
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PO8 Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms

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PO9 Individual and team work: Function effectively as an individual, and as a member or leader in

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PO10 Communication: Communicate effectively on complex engineering activities with the engineering community and with the society.

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PO12 Life-long learning: A recognition of the need for, and an ability to engage in, to resolve contemporary issues and acquire lifelong learning.

COLLEGE		SHR	IDEVI	INST	TUT	E OF E	NGIN	EERIN	G & T	ECHN	OLOG	Y			
FACULT	Y NAN	1E	UMAE	BAI			Call Million								
BRAN	NCH		1	EEE		A	CAD	EMIC Y	YEAR		2020-21				
COURSE	В.	E	SEM	ESTE	R	VII	1	SECTIO)N	EEE					
SUBJECT	OPE	RATI	NG SY	STEM				SUBJE	CT C	ODE	DE 17EE832				
CO & PO M	APPIN	NG													
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12			
CO1	2	2		3	3		3		-			3			
CO2	2	2	3		3		3		-			3			
CO3	2	2		3	3		3		-	-	-	3			
CO4	2	2	-	3	3	-	3		-	-		3			
CO5	2	2	-	3	3	-	3	-	-	-					
AVERAGE	2	2		3	3		3					3			
						OVE	RALI	MAPF	PING O	OF SUR	JECT	2000			

S. H Rous

Head of the Department
Electrical & Electronics Engineering
Shridevi Institute of Engineering & Technology
TUMKUR-572106.

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	72.80	1.45	1.45		2.18	2.18		2.18					2.18
CO2	81.85	1.63	1.63		2.45	2.45		2.45					2.45
CO3	69.35	1.38	1.38		2.08	2.08		2.08					2.08
CO4	46.85	0.93	0.93		1.40	1.40		1.40					1.40
CO5	87.84	1.75	1.75		2.63	2.63		2.63					2.63
AVERAGE	71.73	1.42	1.42		2.14	2.14		2.14					2.14
6-4-6								FINA	L AT	ΓAINN	IENT L	EVEL	2.28

Head of the Department
Electrical & Electronics Engineering
Shridevi Institute of Engineering & Technology
TUMKUR-572106.

SEM: V, EEE		A TEST	1		IA TES	T 2	i i	A TEST	13			Assign	ment					SI	E			TOTAL						Average -					
'USN	CO1	-	TOTAL	CO3	CO4	TOTAL	CO4	-	TOTAL	CO1	CO2	CO3	_	C05	TOTAL	CO1	CO2	CO3	CO4	CO5	TOTAL	CO1	CO2 -	CO3	CO4	CO5	CO1	CO2	.CO3	CO4	. CO5		
1sv17EE002	11	14	25	14	9	23	11	16	27	2	2	2	2	2	10	7.6	7.6	7.6	7.6	7.6	38	20.6	23.6	23.6	20.6	25.6	0.71	0.81	0.81	0.47	0.88		
1sv17EE004	14	14	20	12	15	27	14	15	29	2	2	2	2	2	10	6.6	6.6	6.6	6.6	6.6	33	22.6	22.6	20.6	22.6	23.6	0.78	0.78	0.71	0.51	0.81		
1sv17EE005	0	-20	29	10	18	28	13	16	29	2	2	1 2	2	2	10	10.6	10.6	10.6	10.6	10.6	53	21.6	32.6	22.6	25.6	28.6	0.74	1.12	0.78	0.58	0.99		
1sv17EE009	12	14	26	11	14	25	15	12	27	2	2	2	2	2	10	7.4	7.4	7.4	7.4	7.4	37	21.4	23.4	20.4	24.4	21.4	0.74	0.81	0.70	0.55	0.74		
1sv17EE010	14	12	26	14	11	25	10	17	27	2	2	2	2	2	10	4.6	4.6	4.6	4.6	4.6	23	20.6	18.6	20.6	16.6	23.6	0.71	0.64	0.71	0.38	0.81		
15v18EE400	12	13	25	7	17	24	9	17	26	2	2	2	2	2	10	6.4	6.4	6.4	6.4	6.4	32	20.4	21.4	15.4	17.4	25.4	0.70	0.74	0.53	0.40	0.88		
1sv18EE402	11	16	27	9	16	25	7	22	29	2	2	2	2	2	10	6.5	6.5	6.5	6.5	6.5	32	19.5	24.5	17.5	15.5	30.5	0.67	0.84	0.60	0.35	1.05		
1sv18EE403	13	14	27	11	15	26	13	15	28	2	2	2	2	2	10	7.2	7.2	7.2	7.2	7.2	36	22.2	23.2	20.2	22.2	24.2	0.77	0.80	0.70	0.50	0.83		
TOTAL	96	117	213	88	115	203	92	130	_	16	16	16	16	16	80	56.9	56.9	56.9	56.9	56.9	284	168.9	189.9	160.9	164.9	202.9	5.82	6.55	5.55	3.75	7.00		
otal student	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8.00	8.00	8.00	8.00	8.00		
Average	12	14.63	26.6	11.	14.4	25.375	11.5	16.3	27.8	2	2	2	2	2	10	7.1125	7.11	7.113	7.113	7.113	35.5	21.113	23.738	20.113	20.6125	25.3625	72.80	81.85	69.35	46.85	87.46		

2020-21

operating system 17ee832



Head of the Department
Electrical & Electronics Engineering
Shridevi Institute of Engineering & Technology
TUMKUR-572108.