



Dr.T.Thimmaiah Institute of Technology

Oorgaam, K.G.F-563120

SEM	IV
Department	Electronics & Communication
Course	Analog Circuits
Academic Year	2020-21

Course Instructor	Rajesh Kumar Kaushal
Designation	Assistant Professor
Course code	18EC42
Total Students	60

CO'S	Description
CO1	Design and analyze BJT and MOSFET amplifier circuits.
CO2	Explain frequency response of MOSFET amplifier at various frequencies.
CO3	Design and analyze feedback and oscillator circuits.
CO4	Analyze various types of power amplifiers.
CO5	Design the various applications of op-amps.
CO6	

Grading Scale	Level
Score < 40	0
Score 40 to < 45	1
Score 45 to < 50	2
Score > 50	3

Target Percentage	50
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CO's	T1	T2	T3	A	T	Q	Total Marks	External Marks
CO1	40						32	50
CO2	10					10	18	
CO3		20		10			26	
CO4		20					16	
CO5		10	50	10			58	
CO6							0	

Sl No	USN	Students Name	CO Marks in Tests										Attainment of CO's												VTU					
			Test 1			Q	Test 2			A	Test 3			A	CO1		CO2		CO3		CO4		CO5		CO6		All CO			
			CO1	CO1	CO2	CO1	CO3	CO4	CO5	CO2	CO5			CO5	M	%	M	%	M	%	M	%	M	%	M	%	M	%	M	%
1	IGV19EC002	AKSHAYA K A	12	16	7	7	15	16	7	10	16				10	29	91	16	87	12	46	13	80	28	49	0	###	30	60	
2	IGV19EC003	AVINASH BABU B	11	6	4	4	11	15	7	10	1				10	18	55	13	73	9	34	12	75	16	28	0	###	10	20	
3	IGV19EC005	BHARATH KUMAR R	9	17	8	7	13	15	8	10	2				10	28	86	16	91	10	40	12	75	18	31	0	###	14	28	
4	IGV19EC006	BHARGAVI S	15	16	5	5	16	16	8	10	22				10	30	93	14	78	13	49	13	80	34	59	0	###	31	62	
5	IGV19EC007	CHAITHANYA K K V	11	15	5	7	8	16	7	10	3				10	28	86	14	78	6	25	13	80	18	31	0	###	21	42	
6	IGV19EC008	DEEPAK R	11	8	7	5	15	12	6	10	5				10	20	63	16	87	12	46	10	60	19	32	0	###	21	42	
7	IGV19EC009	DIVYA PRIYA G R	12	16	8	6	14	13	7	10	24				10	28	89	16	91	11	43	10	65	35	60	0	###	31	62	
8	IGV19EC010	DIVYA SWETHA J	13	17	8	4	16	15	8	10	36				10	28	86	16	91	13	49	12	75	45	78	0	###	33	66	
9	IGV19EC011	EVANGELIN P	8	11	5	7	12	12	7	10	2				10	22	68	14	78	10	37	10	60	17	30	0	###	17	34	
10	IGV19EC012	FARHEEN TAJ	9	14	8	6	14	13	8	10	24				10	24	76	16	91	11	43	10	65	36	61	0	###	31	62	
11	IGV19EC014	HARISHAKTHI N	12	5	5	7	9	6		10	14				10	21	64	14	76	7	28	5	30	21	37	0	###	15	30	
12	IGV19EC015	JAISHNAVI U	11	16	8	4	14	15	7	10	12				10	26	80	16	91	11	43	12	75	25	43	0	###	22	44	
13	IGV19EC017	KANISHA R	16	14	8	7	15	14	8	10	40				10	30	95	16	91	12	46	11	70	48	83	0	###	28	56	
14	IGV19EC018	KAVYA RAJ	13	16	7	4	15	16	7	10	17				10	27	84	16	87	12	46	13	80	29	50	0	###	21	42	
15	IGV19EC019	KEERTHANA B S	14	16	7	4	15	15	7	10	3				10	28	88	16	87	12	46	12	75	18	31	0	###	19	38	
16	IGV19EC020	KRITHIKA A	4	7	0	3	14	0		10	31				10	12	38	10	56	11	43	0	0	35	60	0	###	15	30	
17	IGV19EC021	LEEKATH UNNISSA A	11	14	6	6	14	16	8	10	30				10	26	81	15	82	11	43	13	80	40	70	0	###	28	56	
18	IGV19EC022	MAHALAKSHMI S	15	13	7	6	8	15	7	10	23				10	28	88	16	87	6	25	12	75	34	59	0	###	37	74	
19	IGV19EC023	MARY VINISHA B	11	13	6	7	16	2	7	10	22				10	26	81	15	82	13	49	2	10	33	57	0	###	27	54	
20	IGV19EC024	MOHAMMED IRFAN	11	14	7	6	15	8	7	10	14				10	26	81	16	87	12	46	6	40	27	46	0	###	19	38	
21	IGV19EC026	MOHAN C R	9	7	6	7	8	6	6	10	16				10	20	61	15	82	6	25	5	30	28	48	0	###	23	46	
22	IGV19EC027	MOUNIKA V	8	8	5	4	17	16	7	10	9				10	17	53	14	78	14	52	13	80	23	39	0	###	20	40	
23	IGV19EC028	MOUNISHA N N	14	16	7	4	12	15	8	10	26				10	28	88	16	87	10	37	12	75	37	64	0	###	30	60	
24	IGV19EC029	NOMESHWAR V	11	15	4	7	16	16	6	10	21				10	28	86	13	73	13	49	13	80	32	54	0	###	31	62	
25	IGV19EC030	POOJA G V	11	14	6	4	14	16	7	10	21				10	24	75	15	82	11	43	13	80	32	56	0	###	22	44	
26	IGV19EC033	RISHIKA R	9	7	4		16	9	10	10	7				10	13	40	13	71	12	48	7	43	23	40	0	###	10	20	
27	IGV19EC034	SAFNA FIRDOUS E K	13	14	4	5	14	13	6	10	9				10	26	82	13	73	11	43	10	65	22	38	0	###	23	46	
28	IGV19EC035	SAHANA K	15	16	4	4	15	15	8	10	3				10	28	89	13	73	12	46	12	75	19	32	0	###	25	50	
29	IGV19EC036	SAIMANIMALA S	11	15	3	5	15	14	8	10	17				10	26	80	12	69	12	46	11	70	30	52	0	###	28	56	
30	IGV19EC037	SAKTHI RAGAVAN	9	8	7	5	12	8	8	10	28				10	19	59	16	87	10	37	6	40	39	67	0	###	33	66	
31	IGV19EC039	SHARMILA A	11	15	5	0	17	14	6	10	16				10	21	65	14	78	14	52	11	70	28	48	0	###	26	52	
32	IGV19EC040	SHYAM KUMAR P	10	6	7	7	12	13		10	2				10	19	60	16	87	10	37	10	65	12	20	0	###	15	30	
33	IGV19EC041	SNEHA N	13	16	5	5	15	16	8	10	10				10	28	87	14	78	12	46	13	80	24	42	0	###	28	56	
34	IGV19EC042	SNEHA S	11	16	3	4	16	12	7	10	11				0	26	80	12	69	13	49	10	60	14	25	0	###	21	42	
35	IGV19EC043	SOUJANYA D	12	10	7	4	15	15	8	10	25				10	21	66	15	84	12	46	12	75	36	63	0	###	30	60	

36	1GV19EC044	SOWMIYA J	12	11	7	4	16	14	9	10	19			10	22	70	16	87	13	49	11	70	32	56	0	###	32	64	
37	1GV19EC045	SUJITHA S	11	15	7	0	15	16	7	10	21			10	21	65	16	87	12	46	13	80	32	56	0	###	32	64	
38	1GV19EC046	SUMITH R	11	13	6	6	14	8	7	10	17			10	25	79	15	82	11	43	6	40	29	50	0	###	25	50	
39	1GV19EC047	SURYA H G	9	6	7	6	10	7		10	11			10	18	56	16	87	8	31	6	35	19	32	0	###	11	22	
40	1GV19EC048	SWETHA T	11	14	8	0	16	12	1	10	6			10	20	61	16	91	13	49	10	60	16	27	0	###	17	34	
41	1GV19EC049	SYED ASHWAQ AHM	9	9	7	6	14	13	7	10	15			10	20	64	16	87	11	43	10	65	28	48	0	###	24	48	
42	1GV19EC050	TRIBHUVAN S R	9	7	6	10	14	3	7		14			10	23	71	5	27	11	43	2	15	27	46	0	###	20	40	
43	1GV19EC051	VANDANA K	13	14	5	4	12	15	8	10	2			10	25	79	14	78	10	37	12	75	18	31	0	###	17	34	
44	1GV19EC052	VARADARAJU D	11	15	5	6	16	14		10	22			10	26	83	14	76	13	49	11	70	28	48	0	###	26	52	
45	1GV19EC053	VIDHYA G N	11	15	6	7	15	16	7	10	23			10	27	85	15	82	12	46	13	80	34	59	0	###	24	48	
46	1GV19EC054	VIDYA M	11	7	2	5	16	8		10	26			10	19	60	12	64	13	49	6	40	31	53	0	###	20	40	
47	1GV19EC057	GRITA A	18	20	10	7	14	20	8	10	48			10	38	118	18	100	11	42	16	100	55	94	0	###	38	76	
48	1GV19EC058	TABREZ AHMED N	13	7	7	0	16	12	7	10	18			10	16	50	16	87	13	49	10	60	30	52	0	###	25	50	
49	1GV18EC012	KENNETH BENNY J	12	17	8	5	15	7	8	10	8			10	29	89	16	91	12	46	6	35	23	39	0	###	26	52	
50	1GV18EC013	KEZIA R	11	6	6	0	15	8	8	10	8			10	14	43	15	82	12	46	6	40	23	39	0	###	26	52	
51	1GV18EC023	PAVITHRA P.	12	8	3	0	13	16	8	10	25			10	16	50	12	69	10	40	13	80	36	63	0	###	32	64	
52	1GV18EC033	SHREEJA R	12	17	8	7	14	9	7	10	9			10	30	93	16	91	11	43	7	45	23	39	0	###	20	40	
53	1GV18EC035	SIDDHITHA S	11	14	7	4	12	0	8	10	8			10	24	75	16	87	10	37	0	0	23	39	0	###	21	42	
54	1GV17EC047	TEJESASHWSI ONGO	11	5	4	0	10	0	7	10	25			10	13	40	13	73	8	31	0	0	36	61	0	###	12	24	
55	1GV16EC038	RACHANA K R	9	6	5	4	14	5	8	10	7			10	16	50	14	78	11	43	4	25	22	38	0	###	15	30	
56	1GV20EC400	ARUN KUMAR N	11	7	2	5	16	8		10	26			10	19	60	12	64	13	49	6	40	31	53	0	###	3	6	
57	1GV20EC401	BHUVANESH KUMAI	9	4	3	1	0	7	7	10	30			10	11	35	12	69	0	0	6	35	40	68	0	###	17	34	
58	1GV20EC402	CHANDRALEKHA M	11	9	2	0	16	8	8	10	27			10	16	50	12	64	13	49	6	40	38	66	0	###	29	58	
59	1GV20EC404	VEDASHREE GM	11	7	4	7	15	14	7	10	18			10	21	66	13	73	12	46	11	70	30	52	0	###	28	56	
60	1GV20EC405	VIJAYKUMAR R	11	7	4	7	12	7	5	10	21			10	21	66	13	73	10	37	6	35	31	53	0	###	17	34	
															CO1	55	CO2	59	CO3	2	CO4	39	CO5	30	CO6	0		VTU	28

Target is 50% marks
Attainment level 1: 40% students scoring more than 50% marks
Attainment level 2: 45% students scoring more than 50% marks
Attainment level 3: 50% students scoring more than 50% marks

PERCENTAGE OF STUDENTS SCORING > 50% of Marks (For Internal Assessment)						
CO'S	CO1	CO2	CO3	CO4	CO5	CO6
Number of Students Scored above 50% marks	55	59	2	39	30	0
Number of Students attempted the test	60	60	60	60	60	60
% OF STUDENTS	91.67	98.33	3.33	65.00	50.00	
Attainment Level	3	3	0	3	3	

PERCENTAGE OF STUDENTS SCORING > 50% of marks (For University Examination)	
Number of Students Scored above 50 % of Marks	28
Number of Students attempted the Examination	60
% OF STUDENTS	46.67
Attainment Level	2

Calculation for CO attainment by direct assessment (40% weightage for IA & 60% SEE marks)	Attainment
CO1	0.65
CO2	0.67
CO3	0.29
CO4	0.54
CO5	0.48
CO6	

CO attainment using Course survey	
CO1	0.89
CO2	0.84
CO3	0.88
CO4	0.87
CO5	0.88
CO6	

Overall CO attainment	
CO1	0.695
CO2	0.707
CO3	0.411
CO4	0.606
CO5	0.560
CO6	

PO MAPPING

CO'S	1	2	3	4	5	6	7	8	9	10	11	12
CO1	3	2										1
CO2	3	2										1
CO3	3	2										1
CO4	3	2										1
CO5	3	2										1
CO6												
Total	15	10	0	0	0	0	0	0	0	0	0	5
PO AVERAGE	3.00	2.00										1.00

PSO MAPPING

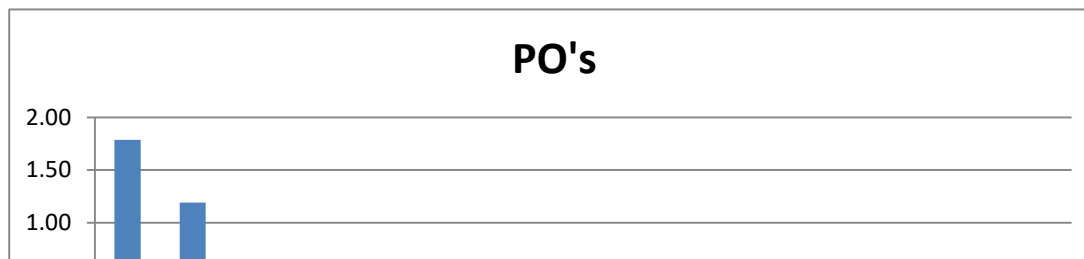
CO'S	1	2	3
CO1	1	1	
CO2			
CO3			
CO4			
CO5		2	
CO6			
Total	1	3	0
PSO AVERAGE	1.00	1.50	

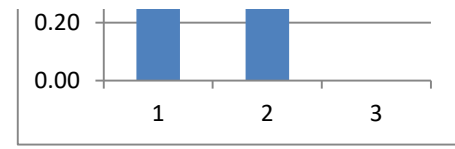
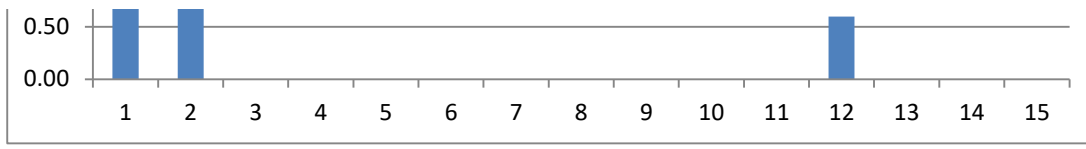
ATTAINMENT

CO'S	1	2	3	4	5	6	7	8	9	10	11	12
CO1	2.09	1.39										0.70
CO2	2.12	1.41										0.71
CO3	1.23	0.82										0.41
CO4	1.82	1.21										0.61
CO5	1.68	1.12										0.56
CO6												
PO AVERAGE	1.79	1.19										0.60

ATTAINMENT

CO'S	1	2	3
CO1	0.70	0.70	
CO2			
CO3			
CO4			
CO5		1.12	
CO6			
PSO AVERAGE	0.70	0.91	





Prepared by
Dr. P D Sudersanan, Dr.TTIT, K.G.F.



Dr.T.Thimmaiah Institute of Technology

Oorgaam, K.G.F-563120

SEM	V
Subject	DSP
Batch	2020-21

Name of the faculty	JENITHA A
Subject code:	18EC52
Total Students	37

CO'S	Description
CO1	: Compute Discrete time signals in frequency domain using DFT and its Properties
CO2	Develop Fast Fourier Transforms Algorithms for computing DFT and IDFT.
CO3	Design IIR filters from Analog filters and Design FIR filters using Windowing and Frequency Domain Sampling Techniques.
CO4	Implement IIR and FIR filters using different structures
CO5	Describe the DSP Processor Architecture
CO6	

Grading Scale	Level
Score < 40	0
Score 40 to 45	1
Score 45 to 50	2
Score > 50	3

Target Percentage	50
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CO's	T1	T2	T3	A	T	Q	Total Marks	60
CO1	50			10			40	
CO2		20		10			22	
CO3		20	20				24	
CO4		10	10				12	
CO5			20			10	22	
CO6							0	

Sl No	USN	Students Name
1	1GV18EC002	AJAZ AHMED I
2	1GV18EC003	AWAIZ PASHA
3	1GV18EC006	DAISY SNEHA S
4	1GV18EC007	DARSHINI S
5	1GV18EC008	DHEERAJ S
6	1GV18EC009	HARIPRIYA B
7	1GV18EC010	JAYANTH G
8	1GV18EC011	KEERTHI REDDY G B
9	1GV18EC014	KRITISH KUMAR R
10	1GV18EC015	LAVANYA S
11	1GV18EC016	MEGHA R
12	1GV18EC017	NAVYASHREE S N
13	1GV18EC018	NISHANTH GOWDA C G
14	1GV18EC019	ONGOLE THROTHIK POSHAN
15	1GV18EC020	P KOUSHIK
16	1GV18EC021	PAUL A SAM
17	1GV18EC024	POOJA S
18	1GV18EC026	PRATHIBA K L
19	1GV18EC027	PRATHIKSHA S
20	1GV18EC028	R RAKESH
21	1GV18EC029	RAKESH A S
22	1GV18EC030	REVANTH V
23	1GV18EC031	SAHANA
24	1GV18EC032	SHIRISHA S P
25	1GV18EC034	SHRUTHI R
26	1GV18EC036	SRIKANTH S
27	1GV18EC038	THANUSHA R
28	1GV18EC039	UMA SHREE V
29	1GV18EC040	USHA DEVI N
30	1GV18EC041	VIDHYA KRISHNAN N
31	1GV18EC042	VIJAYANAND G
32	1GV18EC043	VISHAL RAGUL P
33	1GV19EC400	ARCHANA K
34	1GV19EC401	BHAVYA M V
35	1GV19EC402	CHEZHAN C N
36	1GV19EC404	LOKESH C
37	1GV19EC405	MAHESH M

Test 1			A	Test 2			A	Test 3			Q
CO1	CO1	CO1	CO1	CO2	CO3	CO4	CO2	CO3	CO5	CO4	CO5
	50		10	15	10	0	8	1	11	2	8
	38		10	18	10	0	8	10	4	5	7
	17		10	10	10	0	8	3	6	0	7
	32		10	12	10	0	8	12	7	3	7
	40		10	20	10	6	8	17	4	4	7
	27		10	17	10	0	8	6	4	2	7
	46		10	18	10	2	8	16	8	10	7
	29		10	18	10	0	8	0	4	0	6
	38		10	10	13	0	8	13	4	0	8
	42		10	13	10	8	6	19	7	6	6
	34		10	12	10	0	8	11	7	2	8
	38		10	18	10	6	8	6	11	0	7
	39		10	12	10	7	8	13	9	3	2
	34		9	12	10	0	7	5	0	1	6
	28		10	10	10	0	7	2	4	0	7
	44		10	18	10	0	6	0	0	0	7
	30		9	18	10	0	8	12	12	2	7
	42		10	20	10	4	8	11	11	0	7
	43		10	16	10	6	6	10	7	2	7
	38		10	16			6	0	6	0	7
	21		10	10	10	6	6	10	3	3	7
	17		10	12	9	0	8	10	1	4	7
	9		10	16	0	2	8	14	8	0	5
	28		9	20	14	8	8	20	9	7	7
	20		10	12	10	0	8	8	7	0	7
	20		10	7	17	9	6	2	7	1	5
	22		10	18	18	10	8	11	13	2	7
	24		9	13	13		8	20	11	7	7
	13		9	15	10	8	8	0	9	0	7
	20		10	18	10	0	6	0	10	0	7
	20		9	18	8	6	8	9	13	0	6
	21		10	18	10	0	6	0	5	0	7
	17		9	18	10	3	8	0	14	2	7
	13		10	16	8	0	6	0	15	0	5
	14		8	11	9	8	0	18	13	0	5
	22		10	11	10	6		9	10	0	5
	20		10	18	10	6	8	4	14	0	7

CO1		CO2		CO3		CO4		CO5		CO6		All CO	
M	%	M	%	M	%	M	%	M	%	M	%	M	%
40	100	17	77	7	28	1	10	15	66	0	##	28	47
33	82	19	85	12	50	3	25	9	43	0	##	24	40
20	51	14	64	8	33	0	0	11	48	0	##	27	45
29	73	15	69	13	55	2	15	11	51	0	##	26	43
34	85	20	91	16	68	6	50	9	43	0	##	35	58
26	66	18	83	10	40	1	10	9	43	0	##	34	57
38	94	19	85	16	65	7	60	12	54	0	##	39	65
27	69	19	85	6	25	0	0	8	38	0	##	15	25
33	82	14	64	16	65	0	0	10	47	0	##	33	55
35	88	14	63	17	73	8	70	10	46	0	##	36	60
30	76	15	69	13	53	1	10	12	55	0	##	36	60
33	82	19	85	10	40	4	30	14	62	0	##	22	37
33	84	15	69	14	58	6	50	7	34	0	##	39	65
29	74	14	65	9	38	1	5	6	27	0	##	13	22
27	67	13	59	7	30	0	0	9	43	0	##	21	35
36	91	17	76	6	25	0	0	7	32	0	##	24	40
27	68	19	85	13	55	1	10	14	65	0	##	30	50
35	88	20	91	13	53	2	20	14	62	0	##	27	45
36	90	16	71	12	50	5	40	11	51	0	##	21	35
33	82	16	71	0	0	0	0	11	48	0	##	16	27
23	57	12	55	12	50	5	45	9	40	0	##	21	35
20	50	15	69	11	48	2	20	8	35	0	##	36	60
15	39	18	80	8	35	1	10	10	45	0	##	8	13
26	65	20	91	20	85	9	75	12	56	0	##	46	77
22	55	15	69	11	45	0	0	11	51	0	##	11	18
22	56	10	46	11	48	6	50	9	42	0	##	11	18
23	58	19	85	17	73	7	60	15	67	0	##	44	73
23	59	16	72	20	83	4	35	14	62	0	##	26	43
17	42	17	77	6	25	5	40	12	56	0	##	12	20
22	56	17	76	6	25	0	0	13	59	0	##	15	25
21	53	19	85	10	43	4	30	14	63	0	##	24	40
23	57	17	76	6	25	0	0	10	45	0	##	17	28
19	49	19	85	6	25	3	25	15	70	0	##	25	42
18	45	16	71	5	20	0	0	14	64	0	##	15	25
17	42	7	30	16	68	5	40	13	58	0	##	9	15
23	57	7	30	11	48	4	30	11	50	0	##	12	20
22	55	19	85	8	35	4	30	15	70	0	##	15	25

CO1	32	CO2	34	CO3	16	CO4	7	CO5	20	CO6	0	VTU	11
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TARGET is 50% marks
Attainment level 1: 40% students scoring more than 50% marks
Attainment level 2: 45% students scoring more than 50% marks
Attainment level 3: 50% students scoring more than 50% marks

PERCENTAGE OF STUDENTS SCORING > 50% of Marks (For Internal Assessment)						
CO'S	CO1	CO2	CO3	CO4	CO5	CO6
Number of Students Scored above 50% of Marks	32	34	16	7	20	0
Number of Students attempted the test	37	37	37	37	37	37
% OF STUDENTS	86.49	91.89	43.24	18.92	54.05	
Attainment Level	3	3	1	0	3	

PERCENTAGE OF STUDENTS SCORING > 50% of Marks (For University Examination)	
Number of Students Scored above 50% of Marks	11
Number of Students attempted the Examination	37
% OF STUDENTS	29.72972973
Attainment Level	0

Calculation for CO attainment by direct assessment (40% weightage for IA & 60% SEE marks)	Attainment
CO1	0.52
CO2	0.55
CO3	0.35
CO4	0.25
CO5	0.39
CO6	

CO attainment using Course survey	
CO1	0.875
CO2	0.862
CO3	0.7816
CO4	0.7816
CO5	0.827
CO6	

Overall CO attainment (80% weightage for direct & 20% for indirect attainment)	
CO1	0.594
CO2	0.609
CO3	0.437
CO4	0.360
CO5	0.481
CO6	

PO MAPPING

CO'S	1	2	3	4	5	6	7	8	9	10	11	12
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PSO MAPPING

CO'S	1	2	3
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CO1	2	2	2		2					2		2
CO2	2	2	2		2					2		2
CO3	2	2	2		2					2		2
CO4	2	2	2		2					2		2
CO5	2	2	2		2					2		2
CO6												
Total	10	10	10	0	10	0	0	0	0	10	0	10
PO AVERAGE	2.00	2.00	2.00		2.00					2.00		2.00

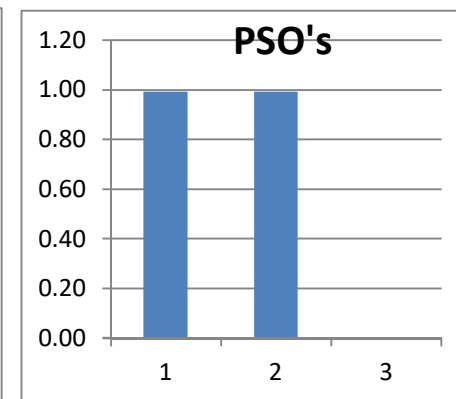
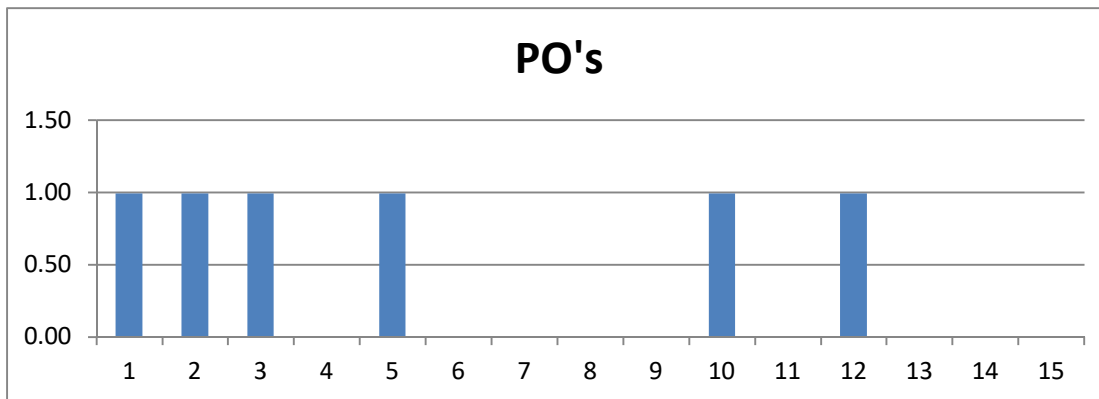
CO1	2	2	
CO2	2	2	
CO3	2	2	
CO4	2	2	
CO5	2	2	
CO6			
Total	10	10	0
PSO AVERAGE	2.00	2.00	

ATTAINMENT

CO'S	1	2	3	4	5	6	7	8	9	10	11	12
CO1	1.19	1.19	1.19		1.19					1.19		1.19
CO2	1.22	1.22	1.22		1.22					1.22		1.22
CO3	0.87	0.87	0.87		0.87					0.87		0.87
CO4	0.72	0.72	0.72		0.72					0.72		0.72
CO5	0.96	0.96	0.96		0.96					0.96		0.96
CO6												
PO AVERAGE	0.99	0.99	0.99		0.99					0.99		0.99

ATTAINMENT

CO'S	1	2	3
CO1	1.19	1.19	
CO2	1.22	1.22	
CO3	0.87	0.87	
CO4	0.72	0.72	
CO5	0.96	0.96	
CO6			
PSO AVERAGE	0.99	0.99	





Dr.T.Thimmaiah Institute of Technology

Oorgaam, K.G.F-563120

SEM	VI
Department	Electronics & Communication
Course	Python Application Programming
Academic Year	2020-21

Course Instructor	Srinivas Babu N
Designation	Assistant Professor
Course code	18EC646
Total Students	37

CO'S	Description
CO1	Examine Python syntax and semantics and be fluent in the use of python flow control and functions.
CO2	Demonstrate proficiency in handling strings and file systems.
CO3	Create, run and manipulate python programs using core data structures like Lists, Dictionaries and Regular expressions.
CO4	Interpret the concepts of Object oriented programming as used in python.
CO5	Implement exemplary applications related to Network programming, web services and databases in Python.
CO6	

Grading Scale	Level
Score < 40	0
Score 40 to < 45	1
Score 45 to < 50	2
Score > 50	3

Target Percentage	50
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CO's	T1	T2	T3	A	T	Q	Total Marks	External Marks
CO1	40					30	42	50
CO2	10	10	10				24	
CO3		40		30			42	
CO4			20				16	
CO5			20	30			26	
CO6							0	

Sl No	USN	Students Name	CO Marks in Tests											Attainment of CO's												VTU		
			Test 1			Q	Test 2			T	Test 3			Q	CO1		CO2		CO3		CO4		CO5		CO6		All CO	
			CO1	CO2	CO4	CO1	CO3	CO2	CO2	CO2	CO4	CO5	CO2	CO5	M	%	M	%	M	%	M	%	M	%	M	%	M	%
1	IGV18EC002	AJAZ AHMED I	40	10		30	36	10		30	10	20	7	30	42	100	32	132	29	69	8	50	26	100	0	###	30	60
2	IGV18EC003	AWAIZ PASHA	39	9		30	37	8		30	10	17	10	30	41	98	32	132	30	70	8	50	24	91	0	###	27	54
3	IGV18EC006	DAISY SNEHA S	28	9		28	27	10		30	10	10		30	32	75	25	105	22	51	8	50	18	69	0	###	19	38
4	IGV18EC007	DARSHINI S	37	10		30	37	9		30	19	20		30	40	94	25	105	30	70	15	95	26	100	0	###	37	74
5	IGV18EC008	DHEERAJ S	40	10		30	38	10		30	17	16		30	42	100	26	108	30	72	14	85	23	88	0	###	32	64
6	IGV18EC009	HARIPRIYA B	33	10		30	36	9		30	8	17	8	30	36	87	32	132	29	69	6	40	24	91	0	###	28	56
7	IGV18EC010	JAYANTH G	37	10		30	38	10		30	19	10	8	30	40	94	32	135	30	72	15	95	18	69	0	###	35	70
8	IGV18EC011	KEERTHI REDDY G B	22	9		30	35	10		30	9	16		30	28	66	25	105	28	67	7	45	23	88	0	###	24	48
9	IGV18EC014	KRITISH KUMAR R	39	9		30	39	5		30		10	8	30	41	98	28	115	31	74	0	0	18	69	0	###	30	60
10	IGV18EC015	LAVANYA S	35	9		30	38	10		30	18	20		30	38	90	25	105	30	72	14	90	26	100	0	###	30	60
11	IGV18EC016	MEGHA R	30	10		30	29	10		30	10	10	10	30	34	81	34	142	23	55	8	50	18	69	0	###	31	62
12	IGV18EC017	NAVYASHREE S N	35	10		24	39	10		30				30	36	86	26	108	31	74	0	0	10	38	0	###	21	42
13	IGV18EC018	NISHANTH GOWDA C	37	10		30	39	10		30			8	30	40	94	32	135	31	74	0	0	10	38	0	###	28	56
14	IGV18EC019	ONGOLE HRUTHIK R	39	10		28	37	9		30	8		2	30	41	97	27	112	30	70	6	40	10	38	0	###	24	48
15	IGV18EC020	P KOUSHIK	20	9		30	37			30	11	15	10	30	26	62	25	105	30	70	9	55	22	85	0	###	23	46
16	IGV18EC021	PAUL A SAM	39	10		30	37	9		30				30	41	98	25	105	30	70	0	0	10	38	0	###	24	48
17	IGV18EC024	POOJA S	39	10		30	30	10		30	10	20	8	30	41	98	32	135	24	57	8	50	26	100	0	###	29	58
18	IGV18EC026	PRATHIBA K L	38	10		20	38	9		30	18	20	8	30	37	88	32	132	30	72	14	90	26	100	0	###	28	56
19	IGV18EC027	PRATHIKSHA S	34	10		30	39	10		30	10	20		30	37	89	26	108	31	74	8	50	26	100	0	###	29	58
20	IGV18EC028	R RAKESH	38	7		30	37	10		30		5	3	30	40	96	26	108	30	70	0	0	14	54	0	###	21	42
21	IGV18EC029	RAKESH A S	30	10		30	37	8		30		10	9	30	34	81	32	132	30	70	0	0	18	69	0	###	25	50
22	IGV18EC030	REVANTH V	27	8		30	33	9		30	7	9	7	30	32	75	29	122	26	63	6	35	17	66	0	###	26	52
23	IGV18EC031	SAHANA	27			30	36	9		30	3	17		30	32	75	17	72	29	69	2	15	24	91	0	###	16	32
24	IGV18EC032	SHIRISHA S P	38	10		28	37	10		30	18	20	8	30	40	95	32	135	30	70	14	90	26	100	0	###	38	76
25	IGV18EC034	SHRUTHI R	37	10		30	37	10		30	7	19		30	40	94	26	108	30	70	6	35	25	97	0	###	14	28
26	IGV18EC036	SRIKANTH S	27	10		30	29	10		30	16	9	9	30	32	75	33	138	23	55	13	80	17	66	0	###	27	54
27	IGV18EC038	THANUSHA R	33	10		22	38	10		30	16	20	9	30	34	80	33	138	30	72	13	80	26	100	0	###	37	74
28	IGV18EC039	UMA SHREE V	38	10		26	36	9		30	10	20	9	30	39	93	32	135	29	69	8	50	26	100	0	###	33	66
29	IGV18EC040	USHA DEVI N	29	10		28	35	9		30	2	17	6	30	33	77	30	125	28	67	2	10	24	91	0	###	21	42
30	IGV18EC041	VIDHYA KRISHNAN	30	10		30	35	10		30		8	9	30	34	81	33	138	28	67	0	0	16	63	0	###	22	44
31	IGV18EC042	VIJAYANAND G	38	10		22	37	9		30		20	9	30	38	90	32	135	30	70	0	0	26	100	0	###	27	54
32	IGV18EC043	VISHAL RAGUL P	29	10		30	36	9		30		10	7	30	33	79	31	128	29	69	0	0	18	69	0	###	28	56
33	IGV19EC400	ARCHANA K	38			24	38	5		30	3	18	8	30	38	91	20	85	30	72	2	15	24	94	0	###	24	48
34	IGV19EC401	BHAVYA M V	37	7		28	39	9		30	3	20	8	30	39	93	29	122	31	74	2	15	26	100	0	###	21	42
35	IGV19EC402	CHETHAN C N	39			26	38	9		30	10	20		30	40	95	17	72	30	72	8	50	26	100	0	###	21	42

36	1GV19EC404	LOKESH C
37	1GV19EC405	MAHESH M

36	10		30	35	9		30	10	15		30
39	10		30	37	9		30	20	20	8	30

39	92	25	105	28	67	8	50	22	85	0	###	20	40
41	98	32	132	30	70	16	100	26	100	0	###	25	50
CO1	37	CO2	37	CO3	37	CO4	19	CO5	33	CO6	0	VTU	22

Target is 50% marks
Attainment level 1: 40% students scoring more than 50% marks
Attainment level 2: 45% students scoring more than 50% marks
Attainment level 3: 50% students scoring more than 50% marks

PERCENTAGE OF STUDENTS SCORING > 50% of Marks (For Internal Assessment)						
CO'S	CO1	CO2	CO3	CO4	CO5	CO6
Number of Students Scored above 50% marks	37	37	37	19	33	0
Number of Students attempted the test	37	37	37	37	37	37
% OF STUDENTS	100.00	100.00	100.00	51.35	89.19	
Attainment Level	3	3	3	3	3	

PERCENTAGE OF STUDENTS SCORING > 50% of marks (For University Examination)	
Number of Students Scored above 50 % of Marks	22
Number of Students attempted the Examination	37
% OF STUDENTS	59.46
Attainment Level	3

Calculation for CO attainment by direct assessment (40% weightage for IA & 60% SEE marks)	Attainment
CO1	0.76
CO2	0.76
CO3	0.76
CO4	0.56
CO5	0.71
CO6	

CO attainment using Course survey	
CO1	0.9
CO2	0.84
CO3	0.9
CO4	0.86
CO5	0.86
CO6	

Overall CO attainment	
CO1	0.785
CO2	0.773
CO3	0.785
CO4	0.622
CO5	0.743
CO6	

PO MAPPING

CO'S	1	2	3	4	5	6	7	8	9	10	11	12
CO1	3	2	2		3							2
CO2	3	2	2		3							2
CO3	3	2	2		3							2
CO4	3	2	2		3							2
CO5	3	2	2		3							2
CO6												
Total	15	10	10	0	15	0	0	0	0	0	0	10
PO AVERAGE	3.00	2.00	2.00		3.00							2.00

PSO MAPPING

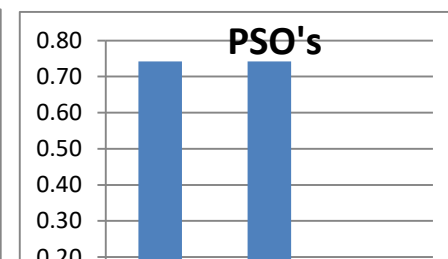
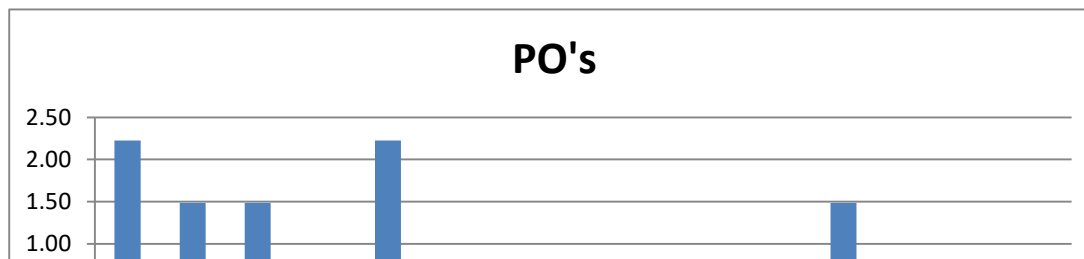
CO'S	1	2	3
CO1	1	1	
CO2	1	1	
CO3	1	1	
CO4	1	1	
CO5	1	1	
CO6			
Total	5	5	0
PSO AVERAGE	1.00	1.00	

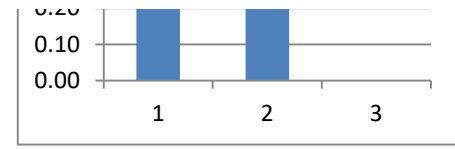
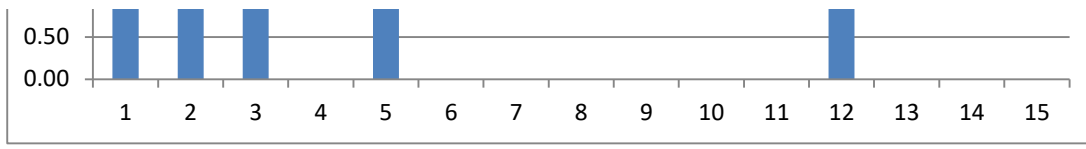
ATTAINMENT

CO'S	1	2	3	4	5	6	7	8	9	10	11	12
CO1	2.36	1.57	1.57		2.36							1.57
CO2	2.32	1.55	1.55		2.32							1.55
CO3	2.36	1.57	1.57		2.36							1.57
CO4	1.87	1.24	1.24		1.87							1.24
CO5	2.23	1.49	1.49		2.23							1.49
CO6												
PO AVERAGE	2.23	1.48	1.48		2.23							1.48

ATTAINMENT

CO'S	1	2	3
CO1	0.79	0.79	
CO2	0.77	0.77	
CO3	0.79	0.79	
CO4	0.62	0.62	
CO5	0.74	0.74	
CO6			
PSO AVERAGE	0.74	0.74	





Prepared by
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