

AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Recg. By Govt. of T.S & Affiliated to JNTUH, Hyderabad)

NAAC "B++" Accredited Institute

Gunthapally (V), Abdullapurmet(M), RR Dist, Near Ramoji Film City, Hyderabad -501512.

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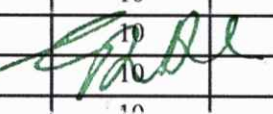
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Department:		ELECTRONICS AND COMMUNICATION ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		ECE		Exam:		MID - I (2022-23)	
Course/Sub:		DIGITAL SYSTEM DESIGN		Year/Semester:		II-I	
		CO1	CO2	CO2	CO3		
		Question No.					
SLNo	Roll Number	Q1	Q2	Q3	Q4	Objective	Assignment
Maximum Marks		5	5	5	5	10	5
1	21Q61A0401		5	5		10	5
2	21Q61A0402	4	5			10	5
3	21Q61A0403		5	5		9	5
4	21Q61A0404		5	5		10	5
5	21Q61A0405		3	4		8	5
6	21Q61A0406	5	5			10	5
7	21Q61A0407		5		5	10	5
8	21Q61A0408		4		4	8	5
9	21Q61A0409		5	5		10	5
10	21Q61A0410		5	5		10	5
11	21Q61A0411	5	3			10	5
12	21Q61A0412	5	5			8	5
13	21Q61A0413		4	4		7	5
14	21Q61A0414		5		5	10	5
15	21Q61A0415		4	4		10	5
16	21Q61A0416		5	5		10	5
17	21Q61A0417		5	4		8	5
18	21Q61A0418		5	5		7	5
19	21Q61A0419	5			5	10	5
20	21Q61A0421		5	5		10	5
21	21Q61A0422		5	5		10	5
22	21Q61A0423		4	5		10	5
23	21Q61A0424	2	5			8	5
24	21Q61A0425		5	5		10	5
25	21Q61A0426		5	5		10	5
26	21Q61A0428	5			5	10	5
27	21Q61A0429		5	5		10	5
28	21Q61A0430	5	5			10	5
29	21Q61A0431			5	5	10	5
30	21Q61A0433	5			5	10	5
31	21Q61A0435		4		3	10	5
32	21Q61A0436			5	5	10	5
33	21Q61A0437	5	5			10	5
34	21Q61A0438			5	5	10	5
35	21Q61A0439			5	5	10	5


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36	21Q61A0440		5	5		10	5
37	21Q61A0441		5	5		10	5
38	21Q61A0442			5	5	10	5
39	21Q61A0443	5	5			10	5
40	21Q61A0446		4		4	10	5
41	21Q61A0447			5	5	10	5
42	21Q61A0449		5		5	10	5
43	21Q61A0450	5		5		10	5
44	21Q61A0451		5		5	10	5
45	21Q61A0452	5		5		10	5
46	21Q61A0453			5	5	8	5
47	21Q61A0454		5	5		10	5
48	21Q61A0455			5	5	10	5
49	21Q61A0456			5	5	10	5
50	21Q61A0457	5		5		10	5
51	21Q61A0458			3	4	10	5
52	22Q65A0401	5		5		10	5
53	22Q65A0402			5	5	10	5
54	22Q65A0403	5		5		10	5
55	22Q65A0404			5	5	10	5
56	22Q65A0405			4	5	7	5
57	22Q65A0406	3		3		8	5
58	22Q65A0407	4		1		10	5
59	22Q65A0408			5	5	10	5
60	22Q65A0409			5	5	10	5
61	22Q65A0410			5	5	10	5
62	22Q65A0411			5	5	10	5
63	22Q65A0412			5	5	10	5
64	22Q65A0413	5			5	9	5
65	22Q65A0414		4	4		8	5
66	22Q65A0415		5		5	10	5
67	22Q65A0416		4	5		10	5
68	22Q65A0417	5		5		10	5
69	22Q65A0418	5			5	10	5
70	22Q65A0419	3			2	5	5
71	22Q65A0420		5		5	10	5
72	22Q65A0421		5		4	10	5

No. of students attempted	22	40	48	34	72	72
Max Marks Question wise	5	5	5	5	10	5
Target 50%	2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%	21	40	47	33	72	72
% of Students > 50%	95.46	100	97.92	97.06	100	100
Attainment Level	3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3

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Department:		ELECTRONICS AND COMMUNICATION ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		ECE		Exam:		MID - II	
Course/Sub:		DIGITAL SYSTEM DESIGN		Year/Semester:		II-I	
SL.No	Roll Number	CO3	C04	C04	C05	Objective	Assignment
		Question No.					
Maximum Marks		Q1	Q2	Q3	Q4	10	5
1	21Q61A0401	5	5			10	5
2	21Q61A0402	4	5			10	5
3	21Q61A0403	5		5		9	5
4	21Q61A0404	5	5			10	5
5	21Q61A0405	3	2			10	5
6	21Q61A0406	5	5			10	5
7	21Q61A0407	5	5			10	5
8	21Q61A0408	4	2			10	5
9	21Q61A0409	5	5			10	5
10	21Q61A0410	5	5			10	5
11	21Q61A0411	5	5			8	5
12	21Q61A0412	5			3	10	5
13	21Q61A0413	4			1	10	5
14	21Q61A0414	5			5	10	5
15	21Q61A0415	5			5	8	5
16	21Q61A0416	5			5	10	5
17	21Q61A0417	4			3	10	5
18	21Q61A0418	4			4	9	5
19	21Q61A0419	5		5		10	5
20	21Q61A0421	5		5		10	5
21	21Q61A0422	5		5		10	5
22	21Q61A0423	5		5		9	5
23	21Q61A0424	3		2		10	5
24	21Q61A0425	5		5		10	5
25	21Q61A0426	5		5		10	5
26	21Q61A0428	5		5		10	5
27	21Q61A0429	5		4		10	5
28	21Q61A0430	5			5	10	5
29	21Q61A0431		5	5		10	5
30	21Q61A0433		5		5	10	5
31	21Q61A0435		4	5		5	5
32	21Q61A0436	5	5			10	5
33	21Q61A0437			5	5	10	5

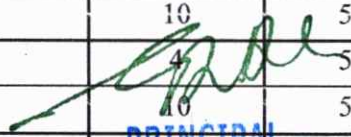
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34	21Q61A0438			5	5	10	5
35	21Q61A0439			5	5	10	5
36	21Q61A0440			5	5	10	5
37	21Q61A0441		5		5	10	5
38	21Q61A0442		5		5	10	5
39	21Q61A0443		5		5	10	5
40	21Q61A0446		5		5	8	5
41	21Q61A0447		5		5	10	5
42	21Q61A0449		5		5	10	5
43	21Q61A0450		5		5	10	5
44	21Q61A0451		5		5	10	5
45	21Q61A0452		5		5	10	5
46	21Q61A0453		5		5	8	5
47	21Q61A0454		5		5	10	5
48	21Q61A0455		5		5	10	5
49	21Q61A0456		5		5	10	5
50	21Q61A0457		5		5	10	5
51	21Q61A0458		5		5	7	5
52	22Q65A0401		5		5	10	5
53	22Q65A0402		5		5	10	5
54	22Q65A0403		5		5	10	5
55	22Q65A0404		5		5	10	5
56	22Q65A0405	2	4			10	5
57	22Q65A0406			3	4	7	5
58	22Q65A0407					8	5
59	22Q65A0408		5		5	10	5
60	22Q65A0409	5	5			10	5
61	22Q65A0410			5	5	10	5
62	22Q65A0411			5	5	10	5
63	22Q65A0412		4	5		10	5
64	22Q65A0413	5		4		10	5
65	22Q65A0414			4	5	7	5
66	22Q65A0415			5	5	10	5
67	22Q65A0416		5	4		10	5
68	22Q65A0417	5		5		10	5
69	22Q65A0418		5	5		10	5
70	22Q65A0419	5		1		4	5
71	22Q65A0420		5	5		10	5
72	22Q65A0421		5	5		10	5


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No. of students attempted	34	41	29	38	72	72
Max Marks Question wise	5	5	5	5	10	5
Target 50%	2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%	33	39	27	37	71	72
% of Students > 50%	97.06	95.13	93.11	97.37	98.62	100
Attainment Level	3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3



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Department:		ELECTRONICS AND COMMUNICATION ENGINEERING		
Course Outcome Attainment External Examination				
Branch & Section:	ECE - 2022-2023		Exam:	EXTERNAL
Course:	DIGITAL SYSTEM DESIGN		Year/Semister:	II-I
S.NO.	HALLTICKET NO	TOTAL(Max. Score Marks)		
1	21Q61A0401	14		
2	21Q61A0402	23		
3	21Q61A0403	6		
4	21Q61A0404	28		
5	21Q61A0405	10		
6	21Q61A0406	23		
7	21Q61A0407	34		
8	21Q61A0408	20		
9	21Q61A0409	33		
10	21Q61A0410	17		
11	21Q61A0411	16		
12	21Q61A0412	29		
13	21Q61A0413	29		
14	21Q61A0414	29		
15	21Q61A0415	9		
16	21Q61A0416	29		
17	21Q61A0417	10		
18	21Q61A0418	13		
19	21Q61A0419	30		
20	21Q61A0421	21		
21	21Q61A0422	21		
22	21Q61A0423	33		
23	21Q61A0424	12		
24	21Q61A0425	16		
25	21Q61A0426	29		
26	21Q61A0428	17		
27	21Q61A0429	30		
28	21Q61A0430	13		
29	21Q61A0431	14		
30	21Q61A0433	21		
31	21Q61A0435	7		
32	21Q61A0436	12		
33	21Q61A0437	41		
34	21Q61A0438	30		
35	21Q61A0439	19		
36	21Q61A0440	40		
37	21Q61A0441	18		
38	21Q61A0442	31		
39	21Q61A0443	29		
40	21Q61A0446	6		


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41	21Q61A0447	5
42	21Q61A0449	29
43	21Q61A0450	15
44	21Q61A0451	20
45	21Q61A0452	6
46	21Q61A0453	4
47	21Q61A0454	14
48	21Q61A0455	19
49	21Q61A0456	29
50	21Q61A0457	13
51	21Q61A0458	13
52	22Q65A0401	22
53	22Q65A0402	31
54	22Q65A0403	32
55	22Q65A0404	37
56	22Q65A0405	14
57	22Q65A0406	17
58	22Q65A0407	29
59	22Q65A0408	-1
60	22Q65A0409	42
61	22Q65A0410	33
62	22Q65A0411	40
63	22Q65A0412	24
64	22Q65A0413	15
65	22Q65A0414	29
66	22Q65A0415	37
67	22Q65A0416	24
68	22Q65A0417	35
69	22Q65A0418	32
70	22Q65A0419	21
71	22Q65A0420	29
72	22Q65A0421	18

No. of students who attempted the subject	72
Max. Marks	75
No. of students secured > 26 marks	54
Percentage of students secured > 26 marks	75.0
Overall External Attainment level	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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COURSE OUTCOMES

CO1	Understand the numerical information in different forms and Boolean algebra
CO2	Postulates of Boolean algebra and to minimize combinational functions
CO3	Design and analyze combinational and sequential circuits
CO4	Known about the logic families and realization of logic gates.

CO-PO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	3	2	2	1								2	2
CO2	3	3	2	2	2									2
CO3	3	3	2	2	1								1	
CO4													2	2
CO avg(M)	3	3	2	2	2								2	2

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Overall Course Outcome Attainment

Branch & Section:	ECE	Exam:	
Course:	DIGITAL SYSTEM DESIGN	Semester:	II-I

Course Outcomes	1st Internal Exam	2nd Internal Exam	Internal Exam(Avg.)	University Exam	Overall Attainment
Course outcome - 1	3	-	3	3	3
Course outcome - 2	3	-	3	3	3
Course outcome - 3	3	3	3	3	3
Course outcome - 4	-	3	3	3	3
Course outcome - 5	-	3	3	3	3
Average			3	3	3

OVERALL ATTAINMENT OF THE SUBJECT = 0.25*INT + 0.75*EXT

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Department:		ELECTRONICS AND COMMUNICATION ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		ECE		Exam:		MID - I	
Course/Sub:		ELECTRONIC DEVICES AND CIRCUITS		Year/Semister:		II-I	
		CO1	CO2	CO2	CO3		
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	21Q61A0401		5	5		8	5
2	21Q61A0402	4	4			10	5
3	21Q61A0403		5	2		10	5
4	21Q61A0404		5	5		9	5
5	21Q61A0405		5	4		8	5
6	21Q61A0406	5	5			9	5
7	21Q61A0407		5		5	10	5
8	21Q61A0408		4		3	8	5
9	21Q61A0409		5		3	10	5
10	21Q61A0410		5	5		9	5
11	21Q61A0411	5	4			8	5
12	21Q61A0412	5	2			9	5
13	21Q61A0413		4	1		10	5
14	21Q61A0414		4		5	10	5
15	21Q61A0415		4	4		8	5
16	21Q61A0416		5	5		10	5
17	21Q61A0417		4	4		10	5
18	21Q61A0418		4	4		10	5
19	21Q61A0419	5			4	10	5
20	21Q61A0421		5	5		10	5
21	21Q61A0422		5	5		10	5
22	21Q61A0423		5	5		10	5
23	21Q61A0424		5	3		8	5
24	21Q61A0425		5	4		9	5
25	21Q61A0426		5	3		10	5
26	21Q61A0428	5			5	8	5
27	21Q61A0429		5	5		10	5
28	21Q61A0430	5	5			10	5
29	21Q61A0431			5	3	7	5
30	21Q61A0433	5			5	10	5
31	21Q61A0435		4		3	6	5
32	21Q61A0436			5	2	8	5
33	21Q61A0437	5	5			10	5
34	21Q61A0438			5	5	10	5
35	21Q61A0439			5	3	10	5
36	21Q61A0440		5	5		10	5
37	21Q61A0441		5	3		10	5


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38	21Q61A0442			5	5	8	5
39	21Q61A0443	5	4			10	5
40	21Q61A0446		4		4	8	5
41	21Q61A0447			5	4	9	5
42	21Q61A0449		5		5	9	5
43	21Q61A0450	4		5		9	5
44	21Q61A0451		5		4	10	5
45	21Q61A0452	5		5		7	5
46	21Q61A0453			5	4	9	5
47	21Q61A0454		5	5		9	5
48	21Q61A0455			4	4	10	5
49	21Q61A0456			5	4	10	5
50	21Q61A0457	2		5		7	5
51	21Q61A0458			5	4	10	5
52	22Q65A0401	3		5		9	5
53	22Q65A0402			5	5	9	5
54	22Q65A0403	5		4		10	5
55	22Q65A0404	5		5		10	5
56	22Q65A0405			4	4	8	5
57	22Q65A0406	3		4		4	5
58	22Q65A0407	4		4		6	5
59	22Q65A0408			5	5	8	5
60	22Q65A0409			5	5	10	5
61	22Q65A0410			5	5	9	5
62	22Q65A0411			5	5	10	5
63	22Q65A0412			5	5	10	5
64	22Q65A0413	5			5	9	5
65	22Q65A0414		5	2		6	5
66	22Q65A0415		5		5	9	5
67	22Q65A0416		4	5		10	5
68	22Q65A0417	5		5		9	5
69	22Q65A0418	4			5	10	5
70	22Q65A0419	3			2	5	5
71	22Q65A0420		5		5	10	5
72	22Q65A0421		5		3	8	5

No. of students attempted	22	40	48	34	72	72
Max Marks Question wise	5	5	5	5	10	5
Target 50%	2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%	21	39	45	32	72	72
% of Students > 50%	95.46	97.5	93.75	94.12	100	100
Attainment Level	3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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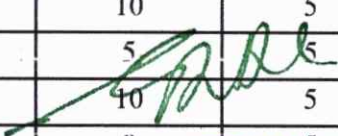
Gunthapally (V), Abdullapurmet(M), RR Dist, Near Ramoji Film City, Hyderabad -501512.

www.aietg.ac.in email: principal_avanthi@gmail.com

Department: **ELECTRONICS AND COMMUNICATION ENGINEERING**

Course Outcome Attainment - Internal Assessments

Branch & Section:		ECE		Exam:		MID - II	
Course/Sub:		ELECTRONIC DEVICES AND CIRCUITS		Year/Semester:		II-I	
		CO3	C04	C04	C05		
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	21Q61A0401	5	4			9	5
2	21Q61A0402	4	4			10	5
3	21Q61A0403	5	3			9	5
4	21Q61A0404	5	5			9	5
5	21Q61A0405			3	4	10	5
6	21Q61A0406	5	4			10	5
7	21Q61A0407	5	5			10	5
8	21Q61A0408			4	4	7	5
9	21Q61A0409	5	5			8	5
10	21Q61A0410	5	4			10	5
11	21Q61A0411	5	3			9	5
12	21Q61A0412			5	5	6	5
13	21Q61A0413	4	4			7	5
14	21Q61A0414	5	5			9	5
15	21Q61A0415			5	1	10	5
16	21Q61A0416	5			5	10	5
17	21Q61A0417	5			5	8	5
18	21Q61A0418			4	4	10	5
19	21Q61A0419	5		5		9	5
20	21Q61A0421	5		5		10	5
21	21Q61A0422	5		5		10	5
22	21Q61A0423		5	5		10	5
23	21Q61A0424	3		3		10	5
24	21Q61A0425	5		5		8	5
25	21Q61A0426		5	4		9	5
26	21Q61A0428	5		5		10	5
27	21Q61A0429	5		5		10	5
28	21Q61A0430		5	5	5	10	5
29	21Q61A0431		5	5		5	5
30	21Q61A0433		5		5	10	5
31	21Q61A0435		4	1		8	5
32	21Q61A0436	5	5			5	5
33	21Q61A0437			4	5	10	5
34	21Q61A0438			5	5	10	5
35	21Q61A0439			3	5	10	5


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36	21Q61A0440			5	5	10	5
37	21Q61A0441		5		4	9	5
38	21Q61A0442		5		5	8	5
39	21Q61A0443		5		5	9	5
40	21Q61A0446		5		5	6	5
41	21Q61A0447		5		3	10	5
42	21Q61A0449		5		4	10	5
43	21Q61A0450		5		5	8	5
44	21Q61A0451		5		5	9	5
45	21Q61A0452		5		2	10	5
46	21Q61A0453		5		5	9	5
47	21Q61A0454		5		4	10	5
48	21Q61A0455		5		3	10	5
49	21Q61A0456		5		5	9	5
50	21Q61A0457		2		2	10	5
51	21Q61A0458		4		5	10	5
52	22Q65A0401		5		4	8	5
53	22Q65A0402		5		4	10	5
54	22Q65A0403		5		5	9	5
55	22Q65A0404		5		5	10	5
56	22Q65A0405	2	4			10	5
57	22Q65A0406			3	3	7	5
58	22Q65A0407		3		3	8	5
59	22Q65A0408		5		4	9	5
60	22Q65A0409	5	5			10	5
61	22Q65A0410			5	4	10	5
62	22Q65A0411			5	5	10	5
63	22Q65A0412		5	5		10	5
64	22Q65A0413	5		4		10	5
65	22Q65A0414			4	1	8	5
66	22Q65A0415			5	4	10	5
67	22Q65A0416		5	5		9	5
68	22Q65A0417	4		5		10	5
69	22Q65A0418		5	5		9	5
70	22Q65A0419	5		1		4	5
71	22Q65A0420		5	5		10	5
72	22Q65A0421		5	1		10	5

No. of students attempted	26	46	34	39	72	72
Max Marks Question wise	5	5	5	5	10	5
Target 50%	2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%	25	45	31	35	72	72
% of Students > 50%	96.16	97.83	91.18	89.75	100	100
Attainment Level	3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3

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Department:	ELECTRONICS AND COMMUNICATION ENGINEERING		
Course Outcome Attainment External Examination			
Branch & Section:	ECE	Exam:	EXTERNAL
Course:	ELECTRONIC DEVICES AND CIRCUITS	Year/Semister:	II-I


S.NO.	HALLTICKET NO	TOTAL(Max. Score Marks)
1	21Q61A0401	32
2	21Q61A0402	29
3	21Q61A0403	28
4	21Q61A0404	26
5	21Q61A0405	29
6	21Q61A0406	29
7	21Q61A0407	34
8	21Q61A0408	32
9	21Q61A0409	43
10	21Q61A0410	26
11	21Q61A0411	32
12	21Q61A0412	31
13	21Q61A0413	13
14	21Q61A0414	31
15	21Q61A0415	12
16	21Q61A0416	40
17	21Q61A0417	29
18	21Q61A0418	29
19	21Q61A0419	31
20	21Q61A0421	13
21	21Q61A0422	11
22	21Q61A0423	42
23	21Q61A0424	29
24	21Q61A0425	30
25	21Q61A0426	27
26	21Q61A0428	26
27	21Q61A0429	34
28	21Q61A0430	32
29	21Q61A0431	16
30	21Q61A0433	35
31	21Q61A0435	27
32	21Q61A0436	26
33	21Q61A0437	38
34	21Q61A0438	41
35	21Q61A0439	26
36	21Q61A0440	42
37	21Q61A0441	35
38	21Q61A0442	30
39	21Q61A0443	26
40	21Q61A0446	7


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41	21Q61A0447	4
42	21Q61A0449	29
43	21Q61A0450	29
44	21Q61A0451	26
45	21Q61A0452	12
46	21Q61A0453	8
47	21Q61A0454	26
48	21Q61A0455	26
49	21Q61A0456	31
50	21Q61A0457	26
51	21Q61A0458	9
52	22Q65A0401	34
53	22Q65A0402	31
54	22Q65A0403	42
55	22Q65A0404	40
56	22Q65A0405	26
57	22Q65A0406	26
58	22Q65A0407	33
59	22Q65A0408	26
60	22Q65A0409	43
61	22Q65A0410	42
62	22Q65A0411	43
63	22Q65A0412	38
64	22Q65A0413	28
65	22Q65A0414	26
66	22Q65A0415	42
67	22Q65A0416	29
68	22Q65A0417	39
69	22Q65A0418	35
70	22Q65A0419	27
71	22Q65A0420	26
72	22Q65A0421	26

No. of students who attempted the subject	72
Max. Marks	75
No. of students secured > 26 marks	53
Percentage of students secured > 26 marks	73.6
Overall External Attainment level	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Department:	ELECTRONICS AND COMMUNICATION ENGINEERING		
Overall Course Outcome Attainment			
Branch & Section:	ECE	Exam:	
Course:	ELECTRONIC DEVICES AND CIRCUITS	Semester:	II-I

Course Outcomes	1st Internal Exam	2nd Internal Exam	Internal Exam (Avg.)	University Exam	Overall Attainment
Course outcome - 1	3	-	3	3	3
Course outcome - 2	3	-	3	3	3
Course outcome - 3	3	3	3	3	3
Course outcome - 4	-	3	3	3	3
Course outcome - 5	-	3	3	3	3
Average			3	3	3

OVERALL ATTAINMENT OF THE SUBJECT = $0.25 \cdot \text{INT} + 0.75 \cdot \text{EXT}$


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COURSE OUTCOMES

CO1	Know the characteristics of various components their Applications
CO2	Understand the utilization of components.
CO3	Analyze the Field Effect Transistor characteristics and its applications
CO4	Design and analyze small signal amplifier circuits.

CO-PO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3		2	2	2							2	2	
CO2	3	3		2	2							2	2	2
CO3	3	3	2	2	2							2	2	
CO4	3											2		2
CO avg(M)	3	3	2	2	2							2	2	2

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Department:		ELECTRONICS AND COMMUNICATION ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		ECE		Exam:		MID - I (2022-23)	
Course/Sub:		NETWORK ANALYSIS & TRANSMISSION LINES		Year/Semester:		II-I	
		CO1	C02	C02	C03		
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	21Q61A0401		5	5		8	5
2	21Q61A0402	4	4			10	5
3	21Q61A0403		5	2		10	5
4	21Q61A0404		5	5		9	5
5	21Q61A0405		5	4		8	5
6	21Q61A0406	5	5			9	5
7	21Q61A0407		5		5	10	5
8	21Q61A0408		4		3	8	5
9	21Q61A0409		5		3	10	5
10	21Q61A0410		5	5		9	5
11	21Q61A0411	5	4			8	5
12	21Q61A0412	5	2			9	5
13	21Q61A0413		4	1		10	5
14	21Q61A0414		4		5	10	5
15	21Q61A0415		4	4		8	5
16	21Q61A0416		5	5		10	5
17	21Q61A0417		4	4		10	5
18	21Q61A0418		4	4		10	5
19	21Q61A0419	5			4	10	5
20	21Q61A0421		5	5		10	5
21	21Q61A0422		5	5		10	5
22	21Q61A0423		5	5		10	5
23	21Q61A0424		5	3		8	5
24	21Q61A0425		5	4		9	5
25	21Q61A0426		5	3		10	5
26	21Q61A0428	5			5	8	5
27	21Q61A0429		5	5		10	5
28	21Q61A0430	5	5			10	5
29	21Q61A0431			5	3	10	5
30	21Q61A0433	5			5	10	5
31	21Q61A0435		4		3	6	5
32	21Q61A0436			5	2	8	5
33	21Q61A0437	5	5			9	5
34	21Q61A0438			5	5	10	5
35	21Q61A0439			5	3	10	5

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36	21Q61A0440		5	5		10	5
37	21Q61A0441		5	3		10	5
38	21Q61A0442			5	5	8	5
39	21Q61A0443	5	4			10	5
40	21Q61A0446		4		4	8	5
41	21Q61A0447			5	4	9	5
42	21Q61A0449		5		5	9	5
43	21Q61A0450	4		5		9	5
44	21Q61A0451		5		4	10	5
45	21Q61A0452	5		5		7	5
46	21Q61A0453			5	4	9	5
47	21Q61A0454		5	5		9	5
48	21Q61A0455			4	4	10	5
49	21Q61A0456			5	4	10	5
50	21Q61A0457	2		5		7	5
51	21Q61A0458			5	4	10	5
52	22Q65A0401	3		5		9	5
53	22Q65A0402			5	5	9	5
54	22Q65A0403	5		4		10	5
55	22Q65A0404	5		5		10	5
56	22Q65A0405			4	4	8	5
57	22Q65A0406	3		4		4	5
58	22Q65A0407	4		4		6	5
59	22Q65A0408			5	5	8	5
60	22Q65A0409			5	5	10	5
61	22Q65A0410			5	5	9	5
62	22Q65A0411			5	5	10	5
63	22Q65A0412			5	5	10	5
64	22Q65A0413	5			5	9	5
65	22Q65A0414		5	2		6	5
66	22Q65A0415		5		5	9	5
67	22Q65A0416		4	5		10	5
68	22Q65A0417	5		5		9	5
69	22Q65A0418	4			5	10	5
70	22Q65A0419	3			2	5	5
71	22Q65A0420		5		5	10	5
72	22Q65A0421		5		3	8	5

No. of students attempted	22	40	48	34	72	72
Max Marks Question wise	5	5	5	5	10	5
Target 50%	2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%	21	39	45	32	72	72
% of Students > 50%	95.46	97.5	93.75	94.12	100	100
Attainment Level	3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3

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Department:		ELECTRONICS AND COMMUNICATION ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		ECE		Exam:		MID - II	
Course/Sub:		NETWORK ANALYSIS & TRANSMISSION LINES		Year/Semester:		II-I	
		CO3	CO3	CO4	CO5		
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	21Q61A0401	5	4			9	5
2	21Q61A0402	4	4			10	5
3	21Q61A0403	5	3			9	5
4	21Q61A0404	5	5			9	5
5	21Q61A0405	3	4			10	5
6	21Q61A0406	5	4			10	5
7	21Q61A0407	5	5			10	5
8	21Q61A0408	4	4			7	5
9	21Q61A0409	5	5			8	5
10	21Q61A0410	5	4			10	5
11	21Q61A0411	5	3			9	5
12	21Q61A0412	5	5			6	5
13	21Q61A0413	4	4			7	5
14	21Q61A0414	5	5			9	5
15	21Q61A0415	5			1	10	5
16	21Q61A0416	5			5	10	5
17	21Q61A0417	5			5	8	5
18	21Q61A0418	4			4	10	5
19	21Q61A0419	5		5		9	5
20	21Q61A0421	5		5		10	5
21	21Q61A0422	5		5		10	5
22	21Q61A0423	5		5		10	5
23	21Q61A0424	3		3		10	5
24	21Q61A0425	5		5		8	5
25	21Q61A0426	5		4		9	5
26	21Q61A0428	5		5		10	5
27	21Q61A0429	5		5		10	5
28	21Q61A0430	5		5	5	10	5
29	21Q61A0431		5	5		5	5
30	21Q61A0433		5		5	10	5
31	21Q61A0435		4	1		8	5
32	21Q61A0436	5	5			10	5
33	21Q61A0437			4	5	10	5
34	21Q61A0438			5	5	10	5
35	21Q61A0439			3	5	10	5

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36	21Q61A0440			5	5	10	5
37	21Q61A0441		5		4	9	5
38	21Q61A0442		5		5	8	5
39	21Q61A0443		5		5	9	5
40	21Q61A0446		5		5	6	5
41	21Q61A0447		5		3	10	5
42	21Q61A0449		5		4	10	5
43	21Q61A0450		5		5	8	5
44	21Q61A0451		5		5	9	5
45	21Q61A0452		5		2	10	5
46	21Q61A0453		5		5	9	5
47	21Q61A0454		5		4	10	5
48	21Q61A0455		5		3	10	5
49	21Q61A0456		5		5	9	5
50	21Q61A0457		2		2	10	5
51	21Q61A0458		4		5	10	5
52	22Q65A0401		5		4	8	5
53	22Q65A0402		5		4	10	5
54	22Q65A0403		5		5	9	5
55	22Q65A0404		5		5	10	5
56	22Q65A0405	2	4			10	5
57	22Q65A0406			3	3	7	5
58	22Q65A0407		3		3	8	5
59	22Q65A0408		5		4	9	5
60	22Q65A0409	5	5			10	5
61	22Q65A0410			5	4	10	5
62	22Q65A0411			5	5	10	5
63	22Q65A0412		5	5		10	5
64	22Q65A0413	5		4		10	5
65	22Q65A0414			4	1	8	5
66	22Q65A0415			5	4	10	5
67	22Q65A0416		5	5		9	5
68	22Q65A0417	4		5		10	5
69	22Q65A0418		5	5		9	5
70	22Q65A0419	5		1		4	5
71	22Q65A0420		5	5		10	5
72	22Q65A0421		5	1		10	5

No. of students attempted	34	46	29	36	72	72
Max Marks Question wise	5	5	5	5	10	5
Target 50%	2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%	33	45	26	32	72	72
% of Students > 50%	97.06	97.83	89.66	88.89	100	100
Attainment Level	3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3

[Signature]
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Department:		ELECTRONICS AND COMMUNICATION ENGINEERING		
Course Outcome Attainment External Examination				
Branch & Section:	ECE - 2022-2023		Exam:	EXTERNAL
Course:	NETWORK ANALYSIS & TRANSMISSION LINES		Year/Semister:	II-I
S.NO.	HALLTICKET NO	TOTAL(Max. Score Marks)		
1	21Q61A0401	29		
2	21Q61A0402	28		
3	21Q61A0403	29		
4	21Q61A0404	31		
5	21Q61A0405	29		
6	21Q61A0406	29		
7	21Q61A0407	30		
8	21Q61A0408	14		
9	21Q61A0409	44		
10	21Q61A0410	17		
11	21Q61A0411	29		
12	21Q61A0412	15		
13	21Q61A0413	10		
14	21Q61A0414	26		
15	21Q61A0415	26		
16	21Q61A0416	26		
17	21Q61A0417	10		
18	21Q61A0418	0		
19	21Q61A0419	26		
20	21Q61A0421	26		
21	21Q61A0422	13		
22	21Q61A0423	38		
23	21Q61A0424	4		
24	21Q61A0425	26		
25	21Q61A0426	14		
26	21Q61A0428	26		
27	21Q61A0429	39		
28	21Q61A0430	15		
29	21Q61A0431	6		
30	21Q61A0433	34		
31	21Q61A0435	5		
32	21Q61A0436	26		
33	21Q61A0437	54		
34	21Q61A0438	46		
35	21Q61A0439	35		
36	21Q61A0440	50		
37	21Q61A0441	35		
38	21Q61A0442	29		
39	21Q61A0443	29		


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40	21Q61A0446	29
41	21Q61A0447	29
42	21Q61A0449	29
43	21Q61A0450	32
44	21Q61A0451	30
45	21Q61A0452	28
46	21Q61A0453	29
47	21Q61A0454	29
48	21Q61A0455	42
49	21Q61A0456	32
50	21Q61A0457	33
51	21Q61A0458	32
52	22Q65A0401	29
53	22Q65A0402	39
54	22Q65A0403	44
55	22Q65A0404	53
56	22Q65A0405	32
57	22Q65A0406	30
58	22Q65A0407	33
59	22Q65A0408	26
60	22Q65A0409	51
61	22Q65A0410	35
62	22Q65A0411	45
63	22Q65A0412	29
64	22Q65A0413	29
65	22Q65A0414	29
66	22Q65A0415	54
67	22Q65A0416	29
68	22Q65A0417	40
69	22Q65A0418	45
70	22Q65A0419	29
71	22Q65A0420	27
72	22Q65A0421	27
No. of students who attempted the subject		72
Max. Marks		75
No. of students secured > 26 marks		51
Percentage of students secured > 26 marks		70.8
Overall External Attainment level		3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Overall Course Outcome Attainment

Name of the Faculty:		Academic Year:	2022-23
Branch & Section:	ECE	Exam:	
Course:	NETWORK ANALYSIS & TRANSMISSION LINES	Semester:	II-I

Course Outcomes	1st Internal Exam	2nd Internal Exam	Internal Exam(Avg.)	University Exam	Overall Attainment
Course outcome - 1	3	-	3	3	3
Course outcome - 2	3	-	3	3	3
Course outcome - 3	3	3	3	3	3
Course outcome - 4	-	3	3	3	3
Course outcome - 5	-	3	3	3	3
Average			3	3	3

OVERALL ATTAINMENT OF THE SUBJECT = 0.25*INT + 0.75*EXT


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COURSE OUTCOMES

CO1	Gain the knowledge on basic RLC circuits' behavior
CO2	Analyze the Steady state and transient analysis of RLC Circuits.
CO3	Know the characteristics of two port network parameters.
CO4	Analyze the transmission line parameters and configurations.

CO-PO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	3	2	2	1								2	2
CO2	3	3	2	2	2									2
CO3	3	3	2	2	1								1	
CO4													2	2
CO avg(M)	3	3	2	2	2								2	2


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Department:		ELECTRONICS AND COMMUNICATION ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		ECE		Exam:		MID - I (2022-23)	
Course/Sub:		SIGNALS & SYSTEMS		Year/Semester:		II-I	
		CO1	CO2	CO2	CO3		
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	21Q61A0401		5	5		10	5
2	21Q61A0402	4	4			8	5
3	21Q61A0403		5	3		6	5
4	21Q61A0404		5	5		10	5
5	21Q61A0405		5	2		8	5
6	21Q61A0406		5	5		9	5
7	21Q61A0407		5	4		10	5
8	21Q61A0408		5	2		7	5
9	21Q61A0409		5	5		10	5
10	21Q61A0410		5	3		9	5
11	21Q61A0411		5	2		7	5
12	21Q61A0412		5	2		10	5
13	21Q61A0413	3		2		10	5
14	21Q61A0414		5		5	10	5
15	21Q61A0415		5		4	7	5
16	21Q61A0416		5		5	9	5
17	21Q61A0417		5		4	8	5
18	21Q61A0418		5	2		7	5
19	21Q61A0419	4	5			9	5
20	21Q61A0421		5	5		7	5
21	21Q61A0422		5		4	10	5
22	21Q61A0423		5	4		10	5
23	21Q61A0424		5	2		7	5
24	21Q61A0425		5	5		10	5
25	21Q61A0426		5	2		10	5
26	21Q61A0428		5	5		9	5
27	21Q61A0429		5	5		10	5
28	21Q61A0430		5	5		8	5
29	21Q61A0431		5		4	10	5
30	21Q61A0433		5		3	10	5
31	21Q61A0435		5	2		6	5
32	21Q61A0436		5	3		10	5
33	21Q61A0437		5	5		10	5
34	21Q61A0438		5	5		10	5
35	21Q61A0439		5	3		8	5
36	21Q61A0440		5	5		10	5
37	21Q61A0441		5	2		10	5

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38	21Q61A0442		5	5		9	5
39	21Q61A0443		5	5		8	5
40	21Q61A0446		5	2		9	5
41	21Q61A0447		5	4		8	5
42	21Q61A0449		5	5		9	5
43	21Q61A0450		5	4		10	5
44	21Q61A0451		5	4		10	5
45	21Q61A0452		5	2		10	5
46	21Q61A0453		5	1		10	5
47	21Q61A0454		5	5		9	5
48	21Q61A0455		5	3		9	5
49	21Q61A0456		5	4		10	5
50	21Q61A0457		5		3	9	5
51	21Q61A0458		5		2	7	5
52	22Q65A0401		5		4	9	5
53	22Q65A0402	5	5			10	5
54	22Q65A0403	5	5			10	5
55	22Q65A0404		5	5		10	5
56	22Q65A0405		5	1		7	5
57	22Q65A0406		5	1		6	5
58	22Q65A0407		2	2		8	5
59	22Q65A0408		5	5		8	5
60	22Q65A0409		5	4		10	5
61	22Q65A0410		5	3		10	5
62	22Q65A0411		5	4		10	5
63	22Q65A0412		5	5		8	5
64	22Q65A0413		5	3		8	5
65	22Q65A0414		3	2		8	5
66	22Q65A0415		5	5		9	5
67	22Q65A0416		5	4		8	5
68	22Q65A0417		5	5		10	5
69	22Q65A0418		5	1		8	5
70	22Q65A0419		2	2		5	5
71	22Q65A0420		5	5		9	5
72	22Q65A0421		5		1	10	5

No. of students attempted	5	71	57	11	72	72
Max Marks Question wise	5	5	5	5	10	5
Target 50%	2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%	5	69	38	9	72	72
% of Students>50%	100	97.19	66.67	81.82	100	100
Attainment Level	3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3

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Department:		ELECTRONICS AND COMMUNICATION ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		ECE		Exam:		MID - II	
Course/Sub:		SIGNALS & SYSTEMS		Year/Semister:		II-I	
		CO3	C03	C04	C05		
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	21Q61A0401	5	5			10	5
2	21Q61A0402	5	5			6	5
3	21Q61A0403		2	2		10	5
4	21Q61A0404	5	5			10	5
5	21Q61A0405	3	2			10	5
6	21Q61A0406	4	5			10	5
7	21Q61A0407	5	5			9	5
8	21Q61A0408	3	1			10	5
9	21Q61A0409	5	5			10	5
10	21Q61A0410	4	3			10	5
11	21Q61A0411	5	3			8	5
12	21Q61A0412	5	5			7	5
13	21Q61A0413	4	3			8	5
14	21Q61A0414	5	5			10	5
15	21Q61A0415	5			1	10	5
16	21Q61A0416	5			4	10	5
17	21Q61A0417	5			2	10	5
18	21Q61A0418	5			5	4	5
19	21Q61A0419	5		3		10	5
20	21Q61A0421	5		5		10	5
21	21Q61A0422	5		5		9	5
22	21Q61A0423	5		5		10	5
23	21Q61A0424	3		3		8	5
24	21Q61A0425	5		5		10	5
25	21Q61A0426	5		4		8	5
26	21Q61A0428	5		4		10	5
27	21Q61A0429	5		5		10	5
28	21Q61A0430	5		4		9	5
29	21Q61A0431		5	5		9	5
30	21Q61A0433		5		4	9	5
31	21Q61A0435		4	1			5
32	21Q61A0436	5	3			7	5
33	21Q61A0437			5		5	5
34	21Q61A0438			5		5	5
35	21Q61A0439			5		5	5
36	21Q61A0440			5		5	5
37	21Q61A0441		5		4	8	5

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38	21Q61A0442		5		5	9	5
39	21Q61A0443		4		5	10	5
40	21Q61A0446		5		4	7	5
41	21Q61A0447		5		2	10	5
42	21Q61A0449		5		4	10	5
43	21Q61A0450		5		5	9	5
44	21Q61A0451		5		5	9	5
45	21Q61A0452		5		4	8	5
46	21Q61A0453		5		3	8	5
47	21Q61A0454		5		4	10	5
48	21Q61A0455		5		2	10	5
49	21Q61A0456		5		4	10	5
50	21Q61A0457		5		4	8	5
51	21Q61A0458		1		5	8	5
52	22Q65A0401		5		5	8	5
53	22Q65A0402		5		5	10	5
54	22Q65A0403		5		5	10	5
55	22Q65A0404		5		5	10	5
56	22Q65A0405	2	3			8	5
57	22Q65A0406			3	1	8	5
58	22Q65A0407		2	1		9	5
59	22Q65A0408		5		4	9	5
60	22Q65A0409	5	5			9	5
61	22Q65A0410			5	5	8	5
62	22Q65A0411			5	5	9	5
63	22Q65A0412		3	5		10	5
64	22Q65A0413	5		5		6	5
65	22Q65A0414			4	2	7	5
66	22Q65A0415			5	4	10	5
67	22Q65A0416		4	3		10	5
68	22Q65A0417	5		5		10	5
69	22Q65A0418		3	1		10	5
70	22Q65A0419	2		1		6	5
71	22Q65A0420		5	5		9	5
72	22Q65A0421		5	3		8	5

No. of students attempted	33	46	31	34	72	72
Max Marks Question wise	5	5	5	5	10	5
Target 50%	2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%	31	41	26	28	72	72
% of Students>50%	93.94	89.14	83.88	82.36	100	100
Attainment Level	3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Department:		ELECTRONICS AND COMMUNICATION ENGINEERING	
Course Outcome Attainment External Examination			
Branch & Section:	ECE - 2022-2023	Exam:	EXTERNAL
Course:	SIGNALS & SYSTEMS	Year/Semester:	II-I
S.NO.	HALLTICKET NO	TOTAL(Max. Score Marks)	
1	21Q61A0401	34	
2	21Q61A0402	35	
3	21Q61A0403	36	
4	21Q61A0404	28	
5	21Q61A0405	36	
6	21Q61A0406	27	
7	21Q61A0407	29	
8	21Q61A0408	36	
9	21Q61A0409	44	
10	21Q61A0410	29	
11	21Q61A0411	29	
12	21Q61A0412	28	
13	21Q61A0413	28	
14	21Q61A0414	28	
15	21Q61A0415	28	
16	21Q61A0416	33	
17	21Q61A0417	29	
18	21Q61A0418	30	
19	21Q61A0419	36	
20	21Q61A0421	35	
21	21Q61A0422	27	
22	21Q61A0423	47	
23	21Q61A0424	29	
24	21Q61A0425	29	
25	21Q61A0426	29	
26	21Q61A0428	29	
27	21Q61A0429	29	
28	21Q61A0430	29	
29	21Q61A0431	28	
30	21Q61A0433	31	
31	21Q61A0435	0	
32	21Q61A0436	8	
33	21Q61A0437	30	
34	21Q61A0438	30	
35	21Q61A0439	0	
36	21Q61A0440	53	
37	21Q61A0441	4	
38	21Q61A0442	11	
39	21Q61A0443	11	
40	21Q61A0446	0	


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41	21Q61A0447	0
42	21Q61A0449	15
43	21Q61A0450	26
44	21Q61A0451	14
45	21Q61A0452	0
46	21Q61A0453	0
47	21Q61A0454	29
48	21Q61A0455	29
49	21Q61A0456	11
50	21Q61A0457	29
51	21Q61A0458	29
52	22Q65A0401	14
53	22Q65A0402	26
54	22Q65A0403	39
55	22Q65A0404	34
56	22Q65A0405	28
57	22Q65A0406	29
58	22Q65A0407	30
59	22Q65A0408	6
60	22Q65A0409	42
61	22Q65A0410	11
62	22Q65A0411	31
63	22Q65A0412	29
64	22Q65A0413	29
65	22Q65A0414	52
66	22Q65A0415	40
67	22Q65A0416	9
68	22Q65A0417	32
69	22Q65A0418	17
70	22Q65A0419	9
71	22Q65A0420	26
72	22Q65A0421	28

No. of students who attempted the subject	72
Max. Marks	75
No. of students secured > 26 marks	52
Percentage of students secured > 26 marks	72.2
Overall External Attainment level	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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COURSE OUTCOMES

CO1	Understand the basics of continuous time and discrete time signals and systems													
CO2	Explain state space analysis of LTI system.													
CO3	Understand the characteristics of linear time invariant systems.													
CO4	Analyze the signals with different transform technique													
CO-PO Mapping														
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	3	2	2	1								2	2
CO2	3	3	2	2	2									2
CO3	3	3	2	2	1								1	
CO4													2	2
CO avg(M)	3	3	2	2	2								2	2


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Overall Course Outcome Attainment			
Name of the Faculty:		Academic Year:	2022-23
Branch & Section:	ECE	Exam:	
Course:	SIGNALS & SYSTEMS	Semester:	II-I

Course Outcomes	1st Internal Exam	2nd Internal Exam	Internal Exam (Avg.)	University Exam	Overall Attainment
Course outcome - 1	3	-	3	3	3
Course outcome - 2	3	-	3	3	3
Course outcome - 3	3	3	3	3	3
Course outcome - 4	-	3	3	3	3
Course outcome - 5	-	3	3	3	3
Average			3	3	3

OVERALL ATTAINMENT OF THE SUBJECT = 0.25*INT + 0.75*EXT


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Department:		ELECTRONICS AND COMMUNICATION ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		ECE		Exam:		MID - I (2022-23)	
Course/Sub:		PROBABILITY THEORY & STOCHASTIC PROCESSES		Year/Semester:		II-I	
		CO1	CO2	CO2	CO3		
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	21Q61A0401		5	2		8	5
2	21Q61A0402	4	3			8	5
3	21Q61A0403	4	4			7	5
4	21Q61A0404		5	5		7	5
5	21Q61A0405	4		4		8	5
6	21Q61A0406			5	5	8	5
7	21Q61A0407		4		4	10	5
8	21Q61A0408				4	7	5
9	21Q61A0409		4			10	5
10	21Q61A0410	5		5		8	5
11	21Q61A0411	5	4			8	5
12	21Q61A0412		5	4		9	5
13	21Q61A0413			5	5	5	5
14	21Q61A0414	4	3			7	5
15	21Q61A0415		4	4		7	5
16	21Q61A0416	5			5	8	5
17	21Q61A0417			4	3	8	5
18	21Q61A0418	4	4			7	5
19	21Q61A0419	5		3		8	5
20	21Q61A0421		5	4		7	5
21	21Q61A0422			4	4	10	5
22	21Q61A0423	5	5			9	5
23	21Q61A0424		4	4		6	5
24	21Q61A0425			5	4	9	5
25	21Q61A0426	4	4			10	5
26	21Q61A0428		4	4		8	5
27	21Q61A0429		4		3	10	5
28	21Q61A0430	5		5		7	5
29	21Q61A0431	4		4		10	5
30	21Q61A0433		5	4		10	5
31	21Q61A0435	4	3			8	5
32	21Q61A0436		5	4		8	5
33	21Q61A0437			5	5	8	5
34	21Q61A0438	5	4			9	5
35	21Q61A0439		4	3		8	5

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36	21Q61A0440	5	5			9	5
37	21Q61A0441		4	4		10	5
38	21Q61A0442			4	4	8	5
39	21Q61A0443	4	3			8	5
40	21Q61A0446		4	4		8	5
41	21Q61A0447		5	4		8	5
42	21Q61A0449	5	5			8	5
43	21Q61A0450	5	4			8	5
44	21Q61A0451		4	3		10	5
45	21Q61A0452			5	5	5	5
46	21Q61A0453	4	3			7	5
47	21Q61A0454		5	5		8	5
48	21Q61A0455	4	4			8	5
49	21Q61A0456		5	4		8	5
50	21Q61A0457			4	4	9	5
51	21Q61A0458			5	4	7	5
52	22Q65A0401	4	5			9	5
53	22Q65A0402		5	5		7	5
54	22Q65A0403		5	5		8	5
55	22Q65A0404		5	5		10	5
56	22Q65A0405		4	4		7	5
57	22Q65A0406		4	4		4	5
58	22Q65A0407		3	3		6	5
59	22Q65A0408	5	5			8	5
60	22Q65A0409	4		4		10	5
61	22Q65A0410	4		4		8	5
62	22Q65A0411	5	5			10	5
63	22Q65A0412	4	4			8	5
64	22Q65A0413	3	3			6	5
65	22Q65A0414		4	4		8	5
66	22Q65A0415	4	4			8	5
67	22Q65A0416		4	4		8	5
68	22Q65A0417	5	5			10	5
69	22Q65A0418		4	4		8	5
70	22Q65A0419		2		2	4	5
71	22Q65A0420		5	5		8	5
72	22Q65A0421	3	3		2	7	5

No. of students attempted	31	53	43	16	72	72
Max Marks Question wise	5	5	5	5	10	5
Target 50%	2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%	31	52	42	14	72	72
% of Students > 50%	100	98.12	97.68	87.5	100	100
Attainment Level	3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Department:		ELECTRONICS AND COMMUNICATION ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		ECE		Exam:		MID - II	
Course/Sub:		PROBABILITY THEORY & STOCHASTIC PROCESSES		Year/Semester:		II-I	
		CO3	C03	C04	C05		
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	5	5
						6	
1	21Q61A0401	5	5			10	5
2	21Q61A0402	5	5			8	5
3	21Q61A0403	2	3			10	5
4	21Q61A0404		2	5		10	5
5	21Q61A0405		3	3		8	5
6	21Q61A0406		4	4		10	5
7	21Q61A0407		5		5	8	5
8	21Q61A0408		1		4	10	5
9	21Q61A0409		5	5		9	5
10	21Q61A0410		4			6	5
11	21Q61A0411	5		3		8	5
12	21Q61A0412	5	5			6	5
13	21Q61A0413	4	3			10	5
14	21Q61A0414	5	3			10	5
15	21Q61A0415	4			1	8	5
16	21Q61A0416	5			3	5	5
17	21Q61A0417	5			2	10	5
18	21Q61A0418	5			5	9	5
19	21Q61A0419	5		1		8	5
20	21Q61A0421	5		2		10	5
21	21Q61A0422	5		5		7	5
22	21Q61A0423	5		4		8	5
23	21Q61A0424	3		4		9	5
24	21Q61A0425	5		5		7	5
25	21Q61A0426	5		4		9	5
26	21Q61A0428	5		4		9	5
27	21Q61A0429	5		3		8	5
28	21Q61A0430	5		3		10	5
29	21Q61A0431		5	5		10	5
30	21Q61A0433		5		4	7	5
31	21Q61A0435		4	1		10	5
32	21Q61A0436	5	5			10	5
33	21Q61A0437			4	5	7	5
34	21Q61A0438			5	3	10	5
35	21Q61A0439			3	5	9	5

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36	21Q61A0440			5	4	6	5
37	21Q61A0441		5		4	10	5
38	21Q61A0442		5		5	6	5
39	21Q61A0443		4		1	10	5
40	21Q61A0446		5		5	10	5
41	21Q61A0447		5		2	7	5
42	21Q61A0449		5		3	7	5
43	21Q61A0450		5		5	8	5
44	21Q61A0451		5		5	6	5
45	21Q61A0452		5		2	10	5
46	21Q61A0453		5		3	10	5
47	21Q61A0454		5		3	7	5
48	21Q61A0455		5		1	8	5
49	21Q61A0456		5		5	10	5
50	21Q61A0457		5		4	8	5
51	21Q61A0458		1		5	10	5
52	22Q65A0401		5		5	10	5
53	22Q65A0402		5		2	8	5
54	22Q65A0403		5		3	7	5
55	22Q65A0404		5		5	6	5
56	22Q65A0405	2	3			4	5
57	22Q65A0406			3	3	9	5
58	22Q65A0407		3		5	8	5
59	22Q65A0408		5		4	10	5
60	22Q65A0409	5	5			7	5
61	22Q65A0410			5	3	10	5
62	22Q65A0411			5	5	8	5
63	22Q65A0412		3	5		6	5
64	22Q65A0413	5		3		10	5
65	22Q65A0414			4	2	10	5
66	22Q65A0415			5	3	7	5
67	22Q65A0416		5	3		10	5
68	22Q65A0417	5		5		5	5
69	22Q65A0418		5	1		8	5
70	22Q65A0419	2		1		5	5
71	22Q65A0420		5	5		10	5
72	22Q65A0421		5	3		10	5

No. of students attempted	27	45	34	37	72	72
Max Marks Question wise	5	5	5	5	10	5
Target 50%	2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%	24	42	29	29	72	72
% of Students > 50%	88.89	93.34	85.3	78.38	100	100
Attainment Level	3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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www.aietg.ac.in email: principal_avanthi@gmail.com**Department: ELECTRONICS AND COMMUNICATION ENGINEERING****Course Outcome Attainment External Examination**

Branch & Section:	ECE 2022-2023	Exam:	EXTERNAL
Course:	PROBABILITY THEORY & STOCHASTIC PROCESSES	Year/Semester:	II-I

S.NO.	HALL TICKET NO	TOTAL(Max. Score Marks)
1	21Q61A0401	29
2	21Q61A0402	29
3	21Q61A0403	32
4	21Q61A0404	29
5	21Q61A0405	32
6	21Q61A0406	29
7	21Q61A0407	36
8	21Q61A0408	33
9	21Q61A0409	33
10	21Q61A0410	35
11	21Q61A0411	32
12	21Q61A0412	33
13	21Q61A0413	33
14	21Q61A0414	32
15	21Q61A0415	33
16	21Q61A0416	35
17	21Q61A0417	36
18	21Q61A0418	36
19	21Q61A0419	36
20	21Q61A0421	34
21	21Q61A0422	32
22	21Q61A0423	32
23	21Q61A0424	32
24	21Q61A0425	33
25	21Q61A0426	33
26	21Q61A0428	33
27	21Q61A0429	38
28	21Q61A0430	28
29	21Q61A0431	53
30	21Q61A0433	29
31	21Q61A0435	4
32	21Q61A0436	9
33	21Q61A0437	29
34	21Q61A0438	30


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35	21Q61A0439	7
36	21Q61A0440	31
37	21Q61A0441	9
38	21Q61A0442	11
39	21Q61A0443	13
40	21Q61A0446	4
41	21Q61A0447	4
42	21Q61A0449	12
43	21Q61A0450	8
44	21Q61A0451	14
45	21Q61A0452	5
46	21Q61A0453	4
47	21Q61A0454	9
48	21Q61A0455	6
49	21Q61A0456	13
50	21Q61A0457	29
51	21Q61A0458	29
52	22Q65A0401	27
53	22Q65A0402	26
54	22Q65A0403	43
55	22Q65A0404	45
56	22Q65A0405	29
57	22Q65A0406	29
58	22Q65A0407	26
59	22Q65A0408	29
60	22Q65A0409	37
61	22Q65A0410	29
62	22Q65A0411	37
63	22Q65A0412	26
64	22Q65A0413	29
65	22Q65A0414	26
66	22Q65A0415	50
67	22Q65A0416	29
68	22Q65A0417	29
69	22Q65A0418	31
70	22Q65A0419	27
71	22Q65A0420	29
72	22Q65A0421	29

No. of students who attempted the subject	72
Max. Marks	75
No. of students secured > 26 marks	55
Percentage of students secured > 26 marks	76.4
Overall External Attainment level	3


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50-60%	1
60-70%	2
70-80%	3



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Overall Course Outcome Attainment

Branch & Section:	ECE	Exam:	
Course:	PROBABILITY THEORY & STOCHASTIC PROCESSES	Semester:	II-I

Course Outcomes	1st Internal Exam	2nd Internal Exam	Internal Exam(Avg.)	University Exam	Overall Attainment
Course outcome - 1	3	-	3	3	3
Course outcome - 2	3	-	3	3	3
Course outcome - 3	3	3	3	3	3
Course outcome - 4	-	3	3	3	3
Course outcome - 5	-	3	3	3	3
Average			3	3	3

OVERALL ATTAINMENT OF THE SUBJECT = $0.25*INT + 0.75*EXT$

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COURSE OUTCOMES

CO1	Understand the concepts of Random Process and its Characteristics.
CO2	Understand the response of linear time Invariant system for a Random Processes.
CO3	Determine the Spectral and temporal characteristics of Random Signals.
CO4	Understand the concepts of Noise in Communication systems.

CO-PO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	3	2	2	1								2	2
CO2	3	3	2	2	2									2
CO3	3	3	2	2	1								1	
CO4													2	2
CO avg(M)	3	3	2	2	2								2	2


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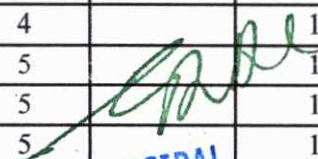
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Department:		ELECTRONICS AND COMMUNICATION ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		ECE		Exam:		MID - I (2022-2023)	
Course/Sub:		ANALOG & DIGITAL COMMUNICATION		Year/Semister:		II-II	
		CO1	CO2	CO2	CO3		
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	21Q61A0401	3	5			10	5
2	21Q61A0402	4	5			8	5
3	21Q61A0403	4	3			10	5
4	21Q61A0404	3	5			10	5
5	21Q61A0405	3	5			7	5
6	21Q61A0406	5	5			10	5
7	21Q61A0407	5	5			8	5
8	21Q61A0408	2	5			8	5
9	21Q61A0409	4	5			10	5
10	21Q61A0410	4	5			10	5
11	21Q61A0411			4	5	8	5
12	21Q61A0412			5	5	8	5
13	21Q61A0413		5	3		9	5
14	21Q61A0414		5	5		10	5
15	21Q61A0415		5	2		8	5
16	21Q61A0416		5		5	10	5
17	21Q61A0417		5	3		7	5
18	21Q61A0418		5	1		9	5
19	21Q61A0419		5	5		10	5
20	21Q61A0421		5	5		10	5
21	21Q61A0422		5	4		10	5
22	21Q61A0423		5	5		10	5
23	21Q61A0425		5	5		10	5
24	21Q61A0426		5	5		9	5
25	21Q61A0428		5	4		10	5
26	21Q61A0429		5	5		10	5
27	21Q61A0430		5	5		10	5
28	21Q61A0431		5	5		10	5
29	21Q61A0433		5	5		10	5
30	21Q61A0436		5	5		10	5
31	21Q61A0437		5	5		10	5
32	21Q61A0438		5	5		10	5
33	21Q61A0439		5	4		9	5
34	21Q61A0440		5	5		10	5
35	21Q61A0441		5	5		10	5


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36	21Q61A0442		5	5		10	5
37	21Q61A0443		5	5		10	5
38	21Q61A0446		5	5		8	5
39	21Q61A0449		5	5		10	5
40	21Q61A0450		5	3		8	5
41	21Q61A0451		5	5		10	5
42	21Q61A0454		5	5		10	5
43	21Q61A0455		5	4		10	5
44	21Q61A0456		5	5		10	5
45	21Q61A0457		5	3		9	5
46	21Q61A0458		5	4		8	5
47	22Q65A0401		5	5		10	5
48	22Q65A0402		5	5		10	5
49	22Q65A0403		5	5		10	5
50	22Q65A0404		5	5		10	5
51	22Q65A0405		5	4		10	5
52	22Q65A0406		1	1		5	5
53	22Q65A0407		5	3		7	5
54	22Q65A0408		5	5		9	5
55	22Q65A0409		5	5		10	5
56	22Q65A0410		5	5		10	5
57	22Q65A0411		5	4		8	5
58	22Q65A0412		5	5		9	5
59	22Q65A0413		5	5		10	5
60	22Q65A0414		5	3		7	5
61	22Q65A0415		5	5		10	5
62	22Q65A0416		5	4		10	5
63	22Q65A0417		5	5		10	5
64	22Q65A0418		5	5		10	5
65	22Q65A0419		5	5		10	5
66	22Q65A0420		5	5		10	5
67	22Q65A0421		3	4		9	5

No. of students attempted	10	65	56	3	67	67
Max Marks Question wise	5	5	5	5	10	5
Target 50%	2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%	9	64	53	3	67	67
% of Students > 50%	90	98.47	94.65	100	100	100
Attainment Level	3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Department:		ELECTRONICS AND COMMUNICATION ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		ECE		Exam:		MID - II	
Course/Sub:		ANALOG & DIGITAL COMMUNICATION		Year/Semester:		II-II	
		CO3	CO4	CO4	CO5		
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	5	5
						6	
1	21Q61A0401	5	3			9	5
2	21Q61A0402	5	3			9	5
3	21Q61A0403	5	3			8	5
4	21Q61A0404	5	4			9	5
5	21Q61A0405	5	4			8	5
6	21Q61A0406	5	5			10	5
7	21Q61A0407	5	4			9	5
8	21Q61A0408	4	2			9	5
9	21Q61A0409	4	4			10	5
10	21Q61A0410	5		5		9	5
11	21Q61A0411	5	3			10	5
12	21Q61A0412	5	5			10	5
13	21Q61A0413	4	4			9	5
14	21Q61A0414	5	5			10	5
15	21Q61A0415	4			3	8	5
16	21Q61A0416	5			5	10	5
17	21Q61A0417	5			2	8	5
18	21Q61A0418	5			3	7	5
19	21Q61A0419	5		5		10	5
20	21Q61A0421	5		5		10	5
21	21Q61A0422	5		5		9	5
22	21Q61A0423	5		5		10	5
23	21Q61A0425	5		5		10	5
24	21Q61A0426	5		4		10	5
25	21Q61A0428	5		5		9	5
26	21Q61A0429	5		5		10	5
27	21Q61A0430	5		5		10	5
28	21Q61A0431	5		5		10	5
29	21Q61A0433		5	5		10	5
30	21Q61A0436		5			10	5
31	21Q61A0437		5			10	5
32	21Q61A0438	5	5			10	5
33	21Q61A0439			4	5	9	5
34	21Q61A0440			5	5	10	5
35	21Q61A0441			5	5	10	5

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36	21Q61A0442			5	5	10	5
37	21Q61A0443		5		5	10	5
38	21Q61A0446		5		4	9	5
39	21Q61A0449		5		5	10	5
40	21Q61A0450		5		4	7	5
41	21Q61A0451		5		5	10	5
42	21Q61A0454		5		5	10	5
43	21Q61A0455		5		5	9	5
44	21Q61A0456		5		5	10	5
45	21Q61A0457		5		3	9	5
46	21Q61A0458		5		3	9	5
47	22Q65A0401		5		5	10	5
48	22Q65A0402		5		5	10	5
49	22Q65A0403		5		5	10	5
50	22Q65A0404		5		5	10	5
51	22Q65A0405		4		5	10	5
52	22Q65A0406		1		1	5	5
53	22Q65A0407		5		2	8	5
54	22Q65A0408		5		4	10	5
55	22Q65A0409		5		5	10	5
56	22Q65A0410	5	5			10	5
57	22Q65A0411			3	5	9	5
58	22Q65A0412		5		5	9	5
59	22Q65A0413		5		5	10	5
60	22Q65A0414	3	5			7	5
61	22Q65A0415			5	5	10	5
62	22Q65A0416			5	5	9	5
63	22Q65A0417		5	5		10	5
64	22Q65A0418	5		5		10	5
65	22Q65A0419			5	5	10	5
66	22Q65A0420			5	5	10	5
67	22Q65A0421		5	1		9	5

No. of students attempted	32	42	24	36	67	67
Max Marks Question wise	5	5	5	5	10	5
Target 50%	2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%	32	40	23	33	67	67
% of Students > 50%	100	95.24	95.84	91.67	100	100
Attainment Level	3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Department:		ELECTRONICS AND COMMUNICATION ENGINEERING		
Course Outcome Attainment External Examination				
Branch & Section:	ECE - 2022- 2023		Exam:	EXTERNAL
Course:	ANALOG & DIGITAL COMMUNICATION		Year/Semester:	II-II
S.NO.	HALLTICKET NO	TOTAL(Max. Score Marks)		
1	21Q61A0401	28		
2	21Q61A0402	35		
3	21Q61A0403	36		
4	21Q61A0404	38		
5	21Q61A0405	29		
6	21Q61A0406	36		
7	21Q61A0407	44		
8	21Q61A0408	29		
9	21Q61A0409	40		
10	21Q61A0410	34		
11	21Q61A0411	36		
12	21Q61A0412	31		
13	21Q61A0413	36		
14	21Q61A0414	29		
15	21Q61A0415	28		
16	21Q61A0416	38		
17	21Q61A0417	28		
18	21Q61A0418	28		
19	21Q61A0419	38		
20	21Q61A0421	28		
21	21Q61A0422	29		
22	21Q61A0423	37		
23	21Q61A0425	29		
24	21Q61A0426	29		
25	21Q61A0428	29		
26	21Q61A0429	34		
27	21Q61A0430	29		
28	21Q61A0431	29		
29	21Q61A0433	55		
30	21Q61A0436	29		
31	21Q61A0437	52		
32	21Q61A0438	43		
33	21Q61A0439	26		
34	21Q61A0440	46		
35	21Q61A0441	14		
36	21Q61A0442	37		
37	21Q61A0443	28		
38	21Q61A0446	26		
39	21Q61A0449	31		


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40	21Q61A0450	5
41	21Q61A0451	27
42	21Q61A0454	44
43	21Q61A0455	14
44	21Q61A0456	38
45	21Q61A0457	44
46	21Q61A0458	6
47	22Q65A0401	41
48	22Q65A0402	33
49	22Q65A0403	50
50	22Q65A0404	58
51	22Q65A0405	50
52	22Q65A0406	-1
53	22Q65A0407	-1
54	22Q65A0408	26
55	22Q65A0409	36
56	22Q65A0410	41
57	22Q65A0411	40
58	22Q65A0412	35
59	22Q65A0413	30
60	22Q65A0414	39
61	22Q65A0415	41
62	22Q65A0416	26
63	22Q65A0417	54
64	22Q65A0418	40
65	22Q65A0419	48
66	22Q65A0420	26
67	22Q65A0421	30

No. of students who attempted the subject	67
Max. Marks	75
No. of students secured > 26 marks	57
Percentage of students secured > 26 marks	85.1
Overall External Attainment level	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3



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Overall Course Outcome Attainment			
Name of the Faculty:		Academic Year:	2022-23
Branch & Section:	ECE	Exam:	
Course:	ANALOG & DIGITAL COMMUNICATION	Semester:	II-II

Course Outcomes	1st Internal Exam	2nd Internal Exam	Internal Exam(Avg.)	University Exam	Overall Attainment
Course outcome - 1	3	-	3	3	3
Course outcome - 2	3	-	3	3	3
Course outcome - 3	3	3	3	3	3
Course outcome - 4	-	3	3	3	3
Course outcome - 5	-	3	3	3	3
Average			3	3	3

OVERALL ATTAINMENT OF THE SUBJECT = $0.25 \cdot \text{INT} + 0.75 \cdot \text{EXT}$


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COURSE OUTCOMES

CO1	Analyze and design of various continuous wave and angle modulation and demodulation techniques
CO2	Understand the effect of noise present in continuous wave and angle modulation techniques.
CO3	Attain the knowledge about AM, FM Transmitters and Receivers
CO4	Analyze and design the various Pulse Modulation Techniques.

CO-PO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2	2		2								2	2	2
CO2	2	2	2										2	
CO3	2	2	2											2
CO4	2	2	3	2								2	2	
CO avg(M)	2	2	2.3	2								2	2	2


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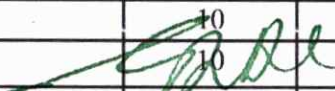
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Department:		ELECTRONICS AND COMMUNICATION ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		ECE		Exam:		MID - I (2022-2023)	
Course/Sub:		ELECTRONIC CIRCUIT ANALYSIS		Year/Semester:		II-II	
		CO1	CO2	CO2	CO3		
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	21Q61A0401		5	2		9	5
2	21Q61A0402	4	4			8	5
3	21Q61A0403		5	3		10	5
4	21Q61A0404		5	4		10	5
5	21Q61A0405		5	3		7	5
6	21Q61A0406		5	3		10	5
7	21Q61A0407		5	4		8	5
8	21Q61A0408		5	3		8	5
9	21Q61A0409		5	4		9	5
10	21Q61A0410		5	3		9	5
11	21Q61A0411		5	4		8	5
12	21Q61A0412		4	3		9	5
13	21Q61A0413		5	3		8	5
14	21Q61A0414	3		5		8	5
15	21Q61A0415		5	4		8	5
16	21Q61A0416		3		5	10	5
17	21Q61A0417		5	4		7	5
18	21Q61A0418	5		1		8	5
19	21Q61A0419		5	3		8	5
20	21Q61A0421		5	4		8	5
21	21Q61A0422		5	4		8	5
22	21Q61A0423	5		5		10	5
23	21Q61A0425		3	5		9	5
24	21Q61A0426		5	4		9	5
25	21Q61A0428		5	4		7	5
26	21Q61A0429	5		4		9	5
27	21Q61A0430		5	2		9	5
28	21Q61A0431		5	3		7	5
29	21Q61A0433		5	3		10	5
30	21Q61A0436	5		2		10	5
31	21Q61A0437		5	5		9	5
32	21Q61A0438	5		5		9	5
33	21Q61A0439		5	3		10	5
34	21Q61A0440		5	4		10	5
35	21Q61A0441	5		4		10	5
36	21Q61A0442		5	4		9	5


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37	21Q61A0443		5	3		10	5
38	21Q61A0446		5	3		8	5
39	21Q61A0449	5		4		9	5
40	21Q61A0450		5	3		6	5
41	21Q61A0451		5	4		8	5
42	21Q61A0454	5		3		10	5
43	21Q61A0455		5	4		7	5
44	21Q61A0456		5	4		9	5
45	21Q61A0457	5		2		9	5
46	21Q61A0458		5	2		7	5
47	22Q65A0401		5	3		10	5
48	22Q65A0402		5	4		10	5
49	22Q65A0403		5	5		10	5
50	22Q65A0404		5	5		10	5
51	22Q65A0405	5		4		9	5
52	22Q65A0406		1	2		3	5
53	22Q65A0407		5	3		9	5
54	22Q65A0408		3	5		8	5
55	22Q65A0409	5		5		9	5
56	22Q65A0410		5	3		10	5
57	22Q65A0411		5	4		9	5
58	22Q65A0412		5	4		9	5
59	22Q65A0413	5		2		10	5
60	22Q65A0414		5	3		8	5
61	22Q65A0415		5	5		9	5
62	22Q65A0416		5	4		8	5
63	22Q65A0417	5		3		10	5
64	22Q65A0418		5	4		10	5
65	22Q65A0419	5		4		8	5
66	22Q65A0420		5	5		9	5
67	22Q65A0421		5	2		8	5

No. of students attempted	16	52	65	1	67	67
Max Marks Question wise	5	5	5	5	10	5
Target 50%	2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%	16	51	56	1	67	67
% of Students > 50%	100	98.08	86.16	100	100	100
Attainment Level	3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3



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Department:		ELECTRONICS AND COMMUNICATION ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		ECE		Exam:		MID - II	
Course/Sub:		ELECTRONIC CIRCUIT ANALYSIS		Year/Semister:		II-II	
Sl.No	Roll Number					Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	21Q61A0401	5	3			8	5
2	21Q61A0402	5	1			9	5
3	21Q61A0403	5	4			9	5
4	21Q61A0404	5	5			9	5
5	21Q61A0405	3	4			8	5
6	21Q61A0406	5	4			9	5
7	21Q61A0407	5	3			9	5
8	21Q61A0408	4	3			9	5
9	21Q61A0409	4	4			10	5
10	21Q61A0410	5		2		10	5
11	21Q61A0411	5	3			9	5
12	21Q61A0412	5	3			8	5
13	21Q61A0413	4	3			9	5
14	21Q61A0414	5	4			6	5
15	21Q61A0415	4			5	8	5
16	21Q61A0416	5			4	9	5
17	21Q61A0417	5			3	8	5
18	21Q61A0418	5			2	7	5
19	21Q61A0419	5		2		9	5
20	21Q61A0421	5		4		8	5
21	21Q61A0422	5		3		9	5
22	21Q61A0423	5		5		10	5
23	21Q61A0425	5		2		10	5
24	21Q61A0426	5		3		10	5
25	21Q61A0428	5		2		9	5
26	21Q61A0429	5		3		10	5
27	21Q61A0430	5		3		8	5
28	21Q61A0431	5		2		8	5
29	21Q61A0433		5	4		9	5
30	21Q61A0436		5			8	5
31	21Q61A0437		5			10	5
32	21Q61A0438	5	4			10	5
33	21Q61A0439					9	5
34	21Q61A0440					9	5
35	21Q61A0441					9	5
36	21Q61A0442					10	5


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37	21Q61A0443		5		5	9	5
38	21Q61A0446		5		2	9	5
39	21Q61A0449		5		3	10	5
40	21Q61A0450		5		2	7	5
41	21Q61A0451		5		3	10	5
42	21Q61A0454		5		4	9	5
43	21Q61A0455		5		3	8	5
44	21Q61A0456		5		3	10	5
45	21Q61A0457		5		3	8	5
46	21Q61A0458		5		3	6	5
47	22Q65A0401		5		4	9	5
48	22Q65A0402		5		5	9	5
49	22Q65A0403		5		5	10	5
50	22Q65A0404		5		5	10	5
51	22Q65A0405		4		4	10	5
52	22Q65A0406		1		2	3	5
53	22Q65A0407		5		4	8	5
54	22Q65A0408		5		3	8	5
55	22Q65A0409		5		4	10	5
56	22Q65A0410	5		4		9	5
57	22Q65A0411			3	5	10	5
58	22Q65A0412		5	3		10	5
59	22Q65A0413		5		4	8	5
60	22Q65A0414	1	5			9	5
61	22Q65A0415			4	5	10	5
62	22Q65A0416			3	5	9	5
63	22Q65A0417		5	4		9	5
64	22Q65A0418	5		5		9	5
65	22Q65A0419			2	5	10	5
66	22Q65A0420			4	5	10	5
67	22Q65A0421		2	4		9	5

No. of students attempted	32	41	26	35	67	67
Max Marks Question wise	5	5	5	5	10	5
Target 50%	2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%	31	38	20	30	67	67
% of Students > 50%	96.88	92.69	76.93	85.72	100	100
Attainment Level	3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3



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Department:		ELECTRONICS AND COMMUNICATION ENGINEERING		
Course Outcome Attainment External Examination				
Branch & Section:	ECE 2022-2023		Exam:	EXTERNAL
Course:	ELECTRONIC CIRCUIT ANALYSIS		Year/Semester:	II-II
S.NO.	HALLTICKET NO	TOTAL(Max. Score Marks)		
1	21Q61A0401	13		
2	21Q61A0402	26		
3	21Q61A0403	26		
4	21Q61A0404	30		
5	21Q61A0405	10		
6	21Q61A0406	27		
7	21Q61A0407	28		
8	21Q61A0408	26		
9	21Q61A0409	40		
10	21Q61A0410	29		
11	21Q61A0411	26		
12	21Q61A0412	29		
13	21Q61A0413	26		
14	21Q61A0414	27		
15	21Q61A0415	26		
16	21Q61A0416	31		
17	21Q61A0417	9		
18	21Q61A0418	3		
19	21Q61A0419	29		
20	21Q61A0421	26		
21	21Q61A0422	9		
22	21Q61A0423	29		
23	21Q61A0425	11		
24	21Q61A0426	26		
25	21Q61A0428	26		
26	21Q61A0429	26		
27	21Q61A0430	26		
28	21Q61A0431	16		
29	21Q61A0433	30		
30	21Q61A0436	26		
31	21Q61A0437	34		
32	21Q61A0438	34		
33	21Q61A0439	26		
34	21Q61A0440	14		
35	21Q61A0441	26		
36	21Q61A0442	26		
37	21Q61A0443	30		
38	21Q61A0446	12		
39	21Q61A0449	17		


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40	21Q61A0450	26
41	21Q61A0451	15
42	21Q61A0454	26
43	21Q61A0455	26
44	21Q61A0456	26
45	21Q61A0457	11
46	21Q61A0458	1
47	22Q65A0401	33
48	22Q65A0402	28
49	22Q65A0403	37
50	22Q65A0404	39
51	22Q65A0405	36
52	22Q65A0406	-1
53	22Q65A0407	26
54	22Q65A0408	26
55	22Q65A0409	34
56	22Q65A0410	34
57	22Q65A0411	38
58	22Q65A0412	27
59	22Q65A0413	34
60	22Q65A0414	29
61	22Q65A0415	39
62	22Q65A0416	14
63	22Q65A0417	37
64	22Q65A0418	30
65	22Q65A0419	26
66	22Q65A0420	26
67	22Q65A0421	17

No. of students who attempted the subject	67
Max. Marks	75
No. of students secured > 26 marks	52
Percentage of students secured > 26 marks	77.6
Overall External Attainment level	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3



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Overall Course Outcome Attainment			
Branch & Section:	ECE	Exam:	
Course:	ELECTRONIC CIRCUIT ANALYSIS	Semester:	II-II

Course Outcomes	1st Internal Exam	2nd Internal Exam	Internal Exam(Avg.)	University Exam	Overall Attainment
Course outcome - 1	3	-	3	3	3
Course outcome - 2	3	-	3	3	3
Course outcome - 3	3	3	3	3	3
Course outcome - 4	-	3	3	3	3
Course outcome - 5	-	3	3	3	3
Average			3	3	3

OVERALL ATTAINMENT OF THE SUBJECT = $0.25*INT + 0.75*EXT$

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COURSE OUTCOMES

CO1	Design the multistage amplifiers and understand the concepts of High Frequency Analysis of Transistors.
CO2	Utilize the Concepts of negative feedback to improve the stability of amplifiers and positive feedback to generate sustained oscillations
CO3	Design and realize different classes of Power Amplifiers and tuned amplifiers useable
CO4	Design Multivibrators and sweep circuits for various applications

CO-PO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	2	2		1								1	
CO2	3	2	2		1								1	
CO3	3	2	1		1								1	
CO4	3	2	1		1								1	2
CO avg(M)	3	2	1		1								1	2

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Department:		ELECTRONICS AND COMMUNICATION ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		ECE		Exam:		MID - I (2022-23)	
Course/Sub:		ELECTROMAGNETIC FIELDS & WAVES		Year/Semester:		II-II	
		CO1	CO2	CO2	CO3		
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	21Q61A0401		5	3		8	5
2	21Q61A0402	4		3		8	5
3	21Q61A0403		4	3		7	5
4	21Q61A0404		5	5		9	5
5	21Q61A0405	5		2		7	5
6	21Q61A0406		5	3		10	5
7	21Q61A0407	4		4		8	5
8	21Q61A0408		5	3		8	5
9	21Q61A0409		4	4		9	5
10	21Q61A0410	5		4		9	5
11	21Q61A0411		2	4		7	5
12	21Q61A0412		3	3		9	5
13	21Q61A0413		3	3		8	5
14	21Q61A0414	3		5		9	5
15	21Q61A0415		5	4		8	5
16	21Q61A0416		3		5	10	5
17	21Q61A0417		4	4		10	5
18	21Q61A0418		3	1		8	5
19	21Q61A0419		5		3	10	5
20	21Q61A0421	3		4		9	5
21	21Q61A0422		5	4		8	5
22	21Q61A0423		5		5	10	5
23	21Q61A0425	5		5		8	5
24	21Q61A0426		4	4		8	5
25	21Q61A0428		4		4	10	5
26	21Q61A0429		4	4		10	5
27	21Q61A0430		5		2	10	5
28	21Q61A0431		4	3		5	5
29	21Q61A0433		5	5		9	5
30	21Q61A0436		5	4		8	5
31	21Q61A0437		5	5		9	5
32	21Q61A0438		5	5		9	5
33	21Q61A0439		4	3		6	5
34	21Q61A0440		5	5		10	5
35	21Q61A0441		2	4		7	5
36	21Q61A0442	5		3		9	5

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37	21Q61A0443		5		3	8	5
38	21Q61A0446	5		3		6	5
39	21Q61A0449		5	4		8	5
40	21Q61A0450		4	3		6	5
41	21Q61A0451		5		4	9	5
42	21Q61A0454	4		3		10	5
43	21Q61A0455		4	4		7	5
44	21Q61A0456		5	5		10	5
45	21Q61A0457	5			2	7	5
46	21Q61A0458		4	2		7	5
47	22Q65A0401		4	3		9	5
48	22Q65A0402		5	4		9	5
49	22Q65A0403	3		5		10	5
50	22Q65A0404	4		5		10	5
51	22Q65A0405		3	4		10	5
52	22Q65A0406		1	1		3	5
53	22Q65A0407	5		3		8	5
54	22Q65A0408		3	4		9	5
55	22Q65A0409	5		5		9	5
56	22Q65A0410	5		3		9	5
57	22Q65A0411		5	4		10	5
58	22Q65A0412		5	5		9	5
59	22Q65A0413		5		4	8	5
60	22Q65A0414		5	2		9	5
61	22Q65A0415	5		5		9	5
62	22Q65A0416		5	2		9	5
63	22Q65A0417		5	4		10	5
64	22Q65A0418		5	9		10	5
65	22Q65A0419		5	5		8	5
66	22Q65A0420		2	5		9	5
67	22Q65A0421		3	2		7	5

No. of students attempted	17	50	58	9	67	67
Max Marks Question wise	5	5	5	5	10	5
Target 50%	2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%	17	46	51	7	67	67
% of Students > 50%	100	92	87.94	77.78	100	100
Attainment Level	3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Department:		ELECTRONICS AND COMMUNICATION ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		ECE		Exam:		MID - II	
Course/Sub:		ELECTROMAGNETIC FIELDS & WAVES		Year/Semester:		II-II	
		C03	C04	C04	C05		
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	21Q61A0401	4	3			8	5
2	21Q61A0402	5	1			9	5
3	21Q61A0403	2	4			9	5
4	21Q61A0404	4	5			9	5
5	21Q61A0405	3	3			8	5
6	21Q61A0406	5	4			9	5
7	21Q61A0407	4	3			9	5
8	21Q61A0408	4	3			9	5
9	21Q61A0409	5	4			10	5
10	21Q61A0410	5		3		10	5
11	21Q61A0411	5	1			9	5
12	21Q61A0412	5	2			8	5
13	21Q61A0413	4	4			9	5
14	21Q61A0414	3	4			6	5
15	21Q61A0415	4			5	8	5
16	21Q61A0416	5			4	9	5
17	21Q61A0417	5			3	8	5
18	21Q61A0418	3			2	7	5
19	21Q61A0419	5		4		9	5
20	21Q61A0421	5		3		8	5
21	21Q61A0422	5		3		9	5
22	21Q61A0423	5		5		10	5
23	21Q61A0425	5		3		10	5
24	21Q61A0426	5		2		10	5
25	21Q61A0428	5		4		9	5
26	21Q61A0429	5		4		10	5
27	21Q61A0430	5		3		8	5
28	21Q61A0431	3	2			8	5
29	21Q61A0433		5	4		9	5
30	21Q61A0436		5			8	5
31	21Q61A0437		5			10	5
32	21Q61A0438	5	4			10	5
33	21Q61A0439			4		9	5
34	21Q61A0440			5		9	5
35	21Q61A0441			2	5	9	5
36	21Q61A0442			5	3	10	5


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37	21Q61A0443		2		5	9	5
38	21Q61A0446		4		2	9	5
39	21Q61A0449		5		4	10	5
40	21Q61A0450		5		2	7	5
41	21Q61A0451		5		3	10	5
42	21Q61A0454		5		4	9	5
43	21Q61A0455		3		3	8	5
44	21Q61A0456		5		5	10	5
45	21Q61A0457		5		3	8	5
46	21Q61A0458		5		2	6	5
47	22Q65A0401		5		3	9	5
48	22Q65A0402		5		3	9	5
49	22Q65A0403		5		4	10	5
50	22Q65A0404		5		5	10	5
51	22Q65A0405		4		5	10	5
52	22Q65A0406		1		1	3	5
53	22Q65A0407		5		3	8	5
54	22Q65A0408		5		4	8	5
55	22Q65A0409		5		4	10	5
56	22Q65A0410	4		4		9	5
57	22Q65A0411			4	5	10	5
58	22Q65A0412		5	5		10	5
59	22Q65A0413		4		4	8	5
60	22Q65A0414	3	5			9	5
61	22Q65A0415			4	5	10	5
62	22Q65A0416			3	5	9	5
63	22Q65A0417		5	4		9	5
64	22Q65A0418	4		5		9	5
65	22Q65A0419			3	5	10	5
66	22Q65A0420			3	5	10	5
67	22Q65A0421		2	4		9	5

No. of students attempted	32	42	25	35	67	67
Max Marks Question wise	5	5	5	5	10	5
Target 50%	2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%	31	35	23	29	67	67
% of Students > 50%	96.88	83.34	92	82.86	100	100
Attainment Level	3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3



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Department:	ELECTRONICS AND COMMUNICATION ENGINEERING		
Course Outcome Attainment External Examination			
Branch & Section:	ECE - 2022-2023	Exam:	EXTERNAL
Course:	ELECTROMAGNETIC FIELDS & WAVES	Year/Semester:	II-II

S.NO.	HALLTICKET NO	TOTAL(Max. Score Marks)
1	21Q61A0401	29
2	21Q61A0402	36
3	21Q61A0403	33
4	21Q61A0404	29
5	21Q61A0405	29
6	21Q61A0406	29
7	21Q61A0407	29
8	21Q61A0408	32
9	21Q61A0409	27
10	21Q61A0410	33
11	21Q61A0411	36
12	21Q61A0412	39
13	21Q61A0413	37
14	21Q61A0414	38
15	21Q61A0415	39
16	21Q61A0416	33
17	21Q61A0417	33
18	21Q61A0418	33
19	21Q61A0419	36
20	21Q61A0421	36
21	21Q61A0422	36
22	21Q61A0423	29
23	21Q61A0425	33
24	21Q61A0426	33
25	21Q61A0428	38
26	21Q61A0429	36
27	21Q61A0430	35
28	21Q61A0431	35
29	21Q61A0433	30
30	21Q61A0436	36
31	21Q61A0437	28
32	21Q61A0438	26
33	21Q61A0439	8
34	21Q61A0440	28
35	21Q61A0441	11
36	21Q61A0442	15
37	21Q61A0443	14
38	21Q61A0446	8


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39	21Q61A0449	17
40	21Q61A0450	2
41	21Q61A0451	26
42	21Q61A0454	29
43	21Q61A0455	29
44	21Q61A0456	27
45	21Q61A0457	29
46	21Q61A0458	29
47	22Q65A0401	26
48	22Q65A0402	26
49	22Q65A0403	28
50	22Q65A0404	29
51	22Q65A0405	29
52	22Q65A0406	-1
53	22Q65A0407	28
54	22Q65A0408	29
55	22Q65A0409	29
56	22Q65A0410	26
57	22Q65A0411	30
58	22Q65A0412	30
59	22Q65A0413	29
60	22Q65A0414	29
61	22Q65A0415	36
62	22Q65A0416	29
63	22Q65A0417	35
64	22Q65A0418	31
65	22Q65A0419	26
66	22Q65A0420	28
67	22Q65A0421	10

No. of students who attempted the subject	67
Max. Marks	75
No. of students secured > 26 marks	52
Percentage of students secured > 26 marks	77.6
Overall External Attainment level	2

Attainment table	
50-60%	1
60-70%	2
70-80%	3



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Overall Course Outcome Attainment			
Name of the Faculty:		Academic Year:	2022-23
Branch & Section:	ECE	Exam:	
Course:	ELECTROMAGNETIC FIELDS & WAVES	Semester:	II-II

Course Outcomes	1st Internal Exam	2nd Internal Exam	Internal Exam(Avg.)	University Exam	Overall Attainment
Course outcome - 1	3	-	3	2	2.25
Course outcome - 2	3	-	3	2	2.25
Course outcome - 3	3	3	3	2	2.25
Course outcome - 4	-	3	3	2	2.25
Course outcome - 5	-	3	3	2	2.25
Average			3	2	2.25

OVERALL ATTAINMENT OF THE SUBJECT = $0.25*INT + 0.75*EXT$

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COURSE OUTCOMES

CO1	Get the knowledge of Basic Laws, Concepts and proofs related to Electrostatic Fields and Magneto static Fields
CO2	Distinguish between the static and time-varying fields; establish the corresponding sets of Maxwell's Equations and Boundary Conditions.
CO3	Analyze the Wave Equations for good conductors, good dielectrics and evaluate the UPW Characteristics for several practical media of interest.
CO4	Analyze completely the rectangular waveguides, their mode characteristics, and design waveguides for solving practical problems.

CO-PO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	2		3									2	2
CO2	3	2		3									2	2
CO3	3	2	2	3									2	
CO4	3	2	2	3									2	2
CO avg(M)	3	2	2	3									2	2

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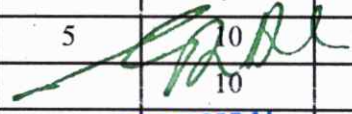
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Department:		ELECTRONICS AND COMMUNICATION ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		ECE		Exam:		MID - I (2022-23)	
Course/Sub:		LINEAR IC APPLICATIONS		Year/Semester:		II-II	
		CO1	CO2	CO2	CO3		
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	21Q61A0401		3	3		10	5
2	21Q61A0402	3		3		7	5
3	21Q61A0403		3	3		8	5
4	21Q61A0404		5	5		10	5
5	21Q61A0405		3	2		9	5
6	21Q61A0406		5	3		10	5
7	21Q61A0407		5	5		8	5
8	21Q61A0408		2	3		6	5
9	21Q61A0409		5	5		10	5
10	21Q61A0410		4	4		10	5
11	21Q61A0411		4	4		8	5
12	21Q61A0412		4	3		6	5
13	21Q61A0413		4	4		7	5
14	21Q61A0414		4	5		10	5
15	21Q61A0415		2	4		5	5
16	21Q61A0416		4		5	10	5
17	21Q61A0417		1	4		7	5
18	21Q61A0418		5	1		8	5
19	21Q61A0419	5		3		9	5
20	21Q61A0421		4	4		9	5
21	21Q61A0422		4		4	10	5
22	21Q61A0423	5		5		10	5
23	21Q61A0425		3		5	9	5
24	21Q61A0426	2		4		8	5
25	21Q61A0428		5		4	8	5
26	21Q61A0429		5	5		10	5
27	21Q61A0430	5		2		8	5
28	21Q61A0431		4		3	7	5
29	21Q61A0433		5	5		10	5
30	21Q61A0436	5		4		9	5
31	21Q61A0437		5		5	10	5
32	21Q61A0438		5	5		10	5
33	21Q61A0439	4		3		8	5
34	21Q61A0440		5			10	5
35	21Q61A0441		2	5		7	5
36	21Q61A0442	5		3		10	5
37	21Q61A0443		5	4		9	5


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38	21Q61A0446	5		5		8	5
39	21Q61A0449		5	2		9	5
40	21Q61A0450		4	4		7	5
41	21Q61A0451	5		3		10	5
42	21Q61A0454		4		4	9	5
43	21Q61A0455		4	4		10	5
44	21Q61A0456		5	5		10	5
45	21Q61A0457		5		2	7	5
46	21Q61A0458	4		3		5	5
47	22Q65A0401		4	5		10	5
48	22Q65A0402		5		4	10	5
49	22Q65A0403	5		5		10	5
50	22Q65A0404		5	5		10	5
51	22Q65A0405		4	4		10	5
52	22Q65A0406		5		1	8	5
53	22Q65A0407		5	3		9	5
54	22Q65A0408	4		4		6	5
55	22Q65A0409		5	5		10	5
56	22Q65A0410		5		3	9	5
57	22Q65A0411		5	5		10	5
58	22Q65A0412	5		5		8	5
59	22Q65A0413		5	4		10	5
60	22Q65A0414		3	2		6	5
61	22Q65A0415	5		5		10	5
62	22Q65A0416		5		3	8	5
63	22Q65A0417		5	5		10	5
64	22Q65A0418		5	5		10	5
65	22Q65A0419		5		5	10	5
66	22Q65A0420		5	5		10	5
67	22Q65A0421	3	3			7	5

No. of students attempted	16	52	52	14	67	67
Max Marks Question wise	5	5	5	5	10	5
Target 50%	2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%	15	48	47	12	67	67
% of Students>50%	93.75	92.31	90.39	85.72	100	100
Attainment Level	3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3

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 Ranga Reddy (Dist.)



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Department:		ELECTRONICS AND COMMUNICATION ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		ECE		Exam:		MID - II	
Course/Sub:		LINEAR IC APPLICATIONS		Year/Semester:		II-II	
		CO3	C04	C04	C05		
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	21Q61A0401	4	4			8	5
2	21Q61A0402	5	2			6	5
3	21Q61A0403	2	5			7	5
4	21Q61A0404	5	5			10	5
5	21Q61A0405	4	3			7	5
6	21Q61A0406	5	4			9	5
7	21Q61A0407	4	5			9	5
8	21Q61A0408	4	2			5	5
9	21Q61A0409	5	5			10	5
10	21Q61A0410	5	4			9	5
11	21Q61A0411	5	3			8	5
12	21Q61A0412	5	2			6	5
13	21Q61A0413	4	2			9	5
14	21Q61A0414	5	4			10	5
15	21Q61A0415	4			2	5	5
16	21Q61A0416	5			4	10	5
17	21Q61A0417	4			3	5	5
18	21Q61A0418	3			4	7	5
19	21Q61A0419	4		4		9	5
20	21Q61A0421	4		3		9	5
21	21Q61A0422	5		4		9	5
22	21Q61A0423	5		5		10	5
23	21Q61A0425	5		4		8	5
24	21Q61A0426	4		2		8	5
25	21Q61A0428	4		4		9	5
26	21Q61A0429	5		5		10	5
27	21Q61A0430	3		3		9	5
28	21Q61A0431	3	3			8	5
29	21Q61A0433		5	5		10	5
30	21Q61A0436		4		4	10	5
31	21Q61A0437		5		5	10	5
32	21Q61A0438	5	5			10	5
33	21Q61A0439			4		10	5
34	21Q61A0440			5		10	5
35	21Q61A0441			2	4	8	5
36	21Q61A0442			5	4	9	5
37	21Q61A0443		3		5	10	5

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38	21Q61A0446		4		2	5	5
39	21Q61A0449		5		3	8	5
40	21Q61A0450		5		2	8	5
41	21Q61A0451		5		4	9	5
42	21Q61A0454		5		4	8	5
43	21Q61A0455		5		4	9	5
44	21Q61A0456		5		5	10	5
45	21Q61A0457		5		3	6	5
46	21Q61A0458		3		2	7	5
47	22Q65A0401		5		4	10	5
48	22Q65A0402		5		4	10	5
49	22Q65A0403		5		5	10	5
50	22Q65A0404		5		5	10	5
51	22Q65A0405		4		5	9	5
52	22Q65A0406		1		5	8	5
53	22Q65A0407		5		4	8	5
54	22Q65A0408		5		4	5	5
55	22Q65A0409		5		5	10	5
56	22Q65A0410	4		5		8	5
57	22Q65A0411			5	5	10	5
58	22Q65A0412		5	4		9	5
59	22Q65A0413		5		4	10	5
60	22Q65A0414	3	2			6	5
61	22Q65A0415			5	5	10	5
62	22Q65A0416			2	5	9	5
63	22Q65A0417		5	5		10	5
64	22Q65A0418	5		5		10	5
65	22Q65A0419			5	5	10	5
66	22Q65A0420			5	5	10	5
67	22Q65A0421		2	4		6	5

No. of students attempted	32	43	24	35	67	67
Max Marks Question wise	5	5	5	5	10	5
Target 50%	2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%	31	36	21	30	67	67
% of Students>50%	96.9	83.7	87.5	85.7	100	100
Attainment Level	3	3	3	3	3	3



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Department:	ELECTRONICS AND COMMUNICATION ENGINEERING		
Course Outcome Attainment External Examination			
Branch & Section:	ECE - 2022-2023	Exam:	EXTERNAL
Course:	LINEAR IC APPLICATIONS	Year/Semester:	II-II

S.NO.	HALLTICKET NO	TOTAL(Max. Score Marks)
1	21Q61A0401	52
2	21Q61A0402	29
3	21Q61A0403	29
4	21Q61A0404	32
5	21Q61A0405	32
6	21Q61A0406	33
7	21Q61A0407	50
8	21Q61A0408	29
9	21Q61A0409	57
10	21Q61A0410	29
11	21Q61A0411	33
12	21Q61A0412	33
13	21Q61A0413	32
14	21Q61A0414	33
15	21Q61A0415	36
16	21Q61A0416	50
17	21Q61A0417	32
18	21Q61A0418	33
19	21Q61A0419	29
20	21Q61A0421	29
21	21Q61A0422	49
22	21Q61A0423	51
23	21Q61A0425	31
24	21Q61A0426	29
25	21Q61A0428	29
26	21Q61A0429	49
27	21Q61A0430	29
28	21Q61A0431	29
29	21Q61A0433	29
30	21Q61A0436	27
31	21Q61A0437	55
32	21Q61A0438	66
33	21Q61A0439	26
34	21Q61A0440	59
35	21Q61A0441	26
36	21Q61A0442	31
37	21Q61A0443	28
38	21Q61A0446	26
39	21Q61A0449	36
40	21Q61A0450	27

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41	21Q61A0451	43
42	21Q61A0454	26
43	21Q61A0455	10
44	21Q61A0456	26
45	21Q61A0457	16
46	21Q61A0458	12
47	22Q65A0401	30
48	22Q65A0402	26
49	22Q65A0403	35
50	22Q65A0404	39
51	22Q65A0405	32
52	22Q65A0406	-1
53	22Q65A0407	26
54	22Q65A0408	26
55	22Q65A0409	39
56	22Q65A0410	37
57	22Q65A0411	33
58	22Q65A0412	27
59	22Q65A0413	27
60	22Q65A0414	26
61	22Q65A0415	34
62	22Q65A0416	16
63	22Q65A0417	41
64	22Q65A0418	36
65	22Q65A0419	35
66	22Q65A0420	26
67	22Q65A0421	16

No. of students who attempted the subject	67
Max. Marks	75
No. of students secured > 26 marks	51
Percentage of students secured > 26 marks	77.0
Overall External Attainment level	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3



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Overall Course Outcome Attainment			
Name of the Faculty:		Academic Year:	2022-23
Branch & Section:	ECE	Exam:	
Course:	LINEAR IC APPLICATIONS	Semester:	II-II

Course Outcomes	1st Internal Exam	2nd Internal Exam	Internal Exam(Avg.)	University Exam	Overall Attainment
Course outcome - 1	3	-	3	3	3
Course outcome - 2	3	-	3	3	3
Course outcome - 3	3	3	3	3	3
Course outcome - 4	-	3	3	3	3
Course outcome - 5	-	3	3	3	3
Average			3	3	3

OVERALL ATTAINMENT OF THE SUBJECT = $0.25*INT + 0.75*EXT$

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COURSE OUTCOMES

CO1	A thorough understanding of operational amplifiers with linear integrated circuits.													
CO2	Attain the knowledge of functional diagrams and applications of IC 555 and IC 565.													
CO3	Acquire the knowledge about the Data converters.													
CO-PO Mapping														
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	2	2		3							3	2	
CO2	3	2	2		3							3	2	
CO3	3	2	2		3							3	2	
CO avg(M)	3	2	2		3							3	2	

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Department:		ELECTRONICS AND COMMUNICATION ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		ECE		Exam:		MID - I (2022-23)	
Course/Sub:		LAPLACE TRANSFORMS, NUMERICAL METHODS AND COMPLEX VARIABLES		Year/Semester:		II-II	
		CO1	CO2	CO2	CO3		
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	21Q61A0401	3	5			10	5
2	21Q61A0402	4	5			8	5
3	21Q61A0403	4	3			10	5
4	21Q61A0404	3	5			10	5
5	21Q61A0405	3	5			7	5
6	21Q61A0406	5	5			10	5
7	21Q61A0407	5	5			8	5
8	21Q61A0408	2	5			8	5
9	21Q61A0409	4	5			10	5
10	21Q61A0410	4	5			10	5
11	21Q61A0411			4	5	8	5
12	21Q61A0412			5	5	8	5
13	21Q61A0413		5	3		9	5
14	21Q61A0414		5	5		10	5
15	21Q61A0415		5	2		8	5
16	21Q61A0416		5		5	10	5
17	21Q61A0417		5	3		7	5
18	21Q61A0418		5	1		9	5
19	21Q61A0419		5	5		10	5
20	21Q61A0421		5	5		10	5
21	21Q61A0422		5	4		10	5
22	21Q61A0423		5	5		10	5
23	21Q61A0425		5	5		10	5
24	21Q61A0426		5	5		9	5
25	21Q61A0428		5	4		10	5
26	21Q61A0429		5	5		10	5
27	21Q61A0430		5	5		10	5
28	21Q61A0431		5	5		10	5
29	21Q61A0433		5	5		10	5
30	21Q61A0436		5	5		10	5
31	21Q61A0437		5	5		10	5
32	21Q61A0438		5	5		10	5
33	21Q61A0439		5	4		9	5


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34	21Q61A0440		5	5		10	5
35	21Q61A0441		5	5		10	5
36	21Q61A0442		5	5		10	5
37	21Q61A0443		5	5		10	5
38	21Q61A0446		5	5		8	5
39	21Q61A0449		5	5		10	5
40	21Q61A0450		5	3		8	5
41	21Q61A0451		5	5		10	5
42	21Q61A0454		5	5		10	5
43	21Q61A0455		5	4		10	5
44	21Q61A0456		5	5		10	5
45	21Q61A0457		5	3		9	5
46	21Q61A0458		5	4		8	5
47	22Q65A0401		5	5		10	5
48	22Q65A0402		5	5		10	5
49	22Q65A0403		5	5		10	5
50	22Q65A0404		5	5		10	5
51	22Q65A0405		5	4		10	5
52	22Q65A0406		1	1		5	5
53	22Q65A0407		5	3		7	5
54	22Q65A0408		5	5		9	5
55	22Q65A0409		5	5		10	5
56	22Q65A0410		5	5		10	5
57	22Q65A0411		5	4		8	5
58	22Q65A0412		5	5		9	5
59	22Q65A0413		5	5		10	5
60	22Q65A0414		5	3		7	5
61	22Q65A0415		5	5		10	5
62	22Q65A0416		5	4		10	5
63	22Q65A0417		5	5		10	5
64	22Q65A0418		5	5		10	5
65	22Q65A0419		5	5		10	5
66	22Q65A0420		5	5		10	5
67	22Q65A0421		3	4		9	5

No. of students attempted	10	65	56	3	67	67
Max Marks Question wise	5	5	5	5	10	5
Target 50%	2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%	9	64	53	3	67	67
% of Students > 50%	90	98.47	94.65	100	100	100
Attainment Level	3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Department: ELECTRONICS AND COMMUNICATION ENGINEERING

Course Outcome Attainment - Internal Assessments

Branch & Section:		ECE		Exam:		MID - II	
Course/Sub:		LAPLACE TRANSFORMS, NUMERICAL METHODS AND COMPLEX VARIABLES		Year/Semister:		II-II	
		CO3	C04	C04	C05		
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	5	5
						6	
1	21Q61A0401	5	3			9	5
2	21Q61A0402	5	3			9	5
3	21Q61A0403	5	3			8	5
4	21Q61A0404	5	4			9	5
5	21Q61A0405	5	4			8	5
6	21Q61A0406	5	5			10	5
7	21Q61A0407	5	4			9	5
8	21Q61A0408	4	2			9	5
9	21Q61A0409	4	4			10	5
10	21Q61A0410	5		5		9	5
11	21Q61A0411	5	3			10	5
12	21Q61A0412	5	5			10	5
13	21Q61A0413	4	4			9	5
14	21Q61A0414	5	5			10	5
15	21Q61A0415	4			3	8	5
16	21Q61A0416	5			5	10	5
17	21Q61A0417	5			2	8	5
18	21Q61A0418	5			3	7	5
19	21Q61A0419	5		5		10	5
20	21Q61A0421	5		5		10	5
21	21Q61A0422	5		5		9	5
22	21Q61A0423	5		5		10	5
23	21Q61A0425	5		5		10	5
24	21Q61A0426	5		4		10	5
25	21Q61A0428	5		5		9	5
26	21Q61A0429	5		5		10	5
27	21Q61A0430	5		5		10	5
28	21Q61A0431	5		5		10	5
29	21Q61A0433		5	5		10	5
30	21Q61A0436		5			10	5
31	21Q61A0437		5			10	5
32	21Q61A0438	5	5			10	5
33	21Q61A0439			4	5	9	5


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34	21Q61A0440			5	5	10	5
35	21Q61A0441			5	5	10	5
36	21Q61A0442			5	5	10	5
37	21Q61A0443		5		5	10	5
38	21Q61A0446		5		4	9	5
39	21Q61A0449		5		5	10	5
40	21Q61A0450		5		4	7	5
41	21Q61A0451		5		5	10	5
42	21Q61A0454		5		5	10	5
43	21Q61A0455		5		5	9	5
44	21Q61A0456		5		5	10	5
45	21Q61A0457		5		3	9	5
46	21Q61A0458		5		3	9	5
47	22Q65A0401		5		5	10	5
48	22Q65A0402		5		5	10	5
49	22Q65A0403		5		5	10	5
50	22Q65A0404		5		5	10	5
51	22Q65A0405		4		5	10	5
52	22Q65A0406		1		1	5	5
53	22Q65A0407		5		2	8	5
54	22Q65A0408		5		4	10	5
55	22Q65A0409		5		5	10	5
56	22Q65A0410	5	5			10	5
57	22Q65A0411			3	5	9	5
58	22Q65A0412		5		5	9	5
59	22Q65A0413		5		5	10	5
60	22Q65A0414	3	5			7	5
61	22Q65A0415			5	5	10	5
62	22Q65A0416			5	5	9	5
63	22Q65A0417		5	5		10	5
64	22Q65A0418	5		5		10	5
65	22Q65A0419			5	5	10	5
66	22Q65A0420			5	5	10	5
67	22Q65A0421		5	1		9	5

No. of students attempted	32	42	24	36	67	67
Max Marks Question wise	5	5	5	5	10	5
Target 50%	2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%	32	40	23	33	67	67
% of Students > 50%	100	95.24	95.84	91.67	100	100
Attainment Level	3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Department:	ELECTRONICS AND COMMUNICATION ENGINEERING		
Course Outcome Attainment External Examination			
Branch & Section:	ECE - 2022-2023	Exam:	EXTERNAL
Course:	LAPLACE TRANSFORMS, NUMERICAL METHODS AND COMPLEX VARIABLES	Year/Semester:	II-II


S.NO.	HALL TICKET NO	TOTAL(Max. Score Marks)
1	21Q61A0401	39
2	21Q61A0402	29
3	21Q61A0403	29
4	21Q61A0404	29
5	21Q61A0405	29
6	21Q61A0406	32
7	21Q61A0407	39
8	21Q61A0408	32
9	21Q61A0409	46
10	21Q61A0410	30
11	21Q61A0411	32
12	21Q61A0412	32
13	21Q61A0413	36
14	21Q61A0414	29
15	21Q61A0415	29
16	21Q61A0416	37
17	21Q61A0417	29
18	21Q61A0418	29
19	21Q61A0419	29
20	21Q61A0421	32
21	21Q61A0422	34
22	21Q61A0423	40
23	21Q61A0425	35
24	21Q61A0426	36
25	21Q61A0428	36
26	21Q61A0429	40
27	21Q61A0430	36
28	21Q61A0431	35
29	21Q61A0433	36
30	21Q61A0436	32
31	21Q61A0437	37
32	21Q61A0438	52
33	21Q61A0439	7
34	21Q61A0440	47


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35	21Q61A0441	26
36	21Q61A0442	30
37	21Q61A0443	26
38	21Q61A0446	14
39	21Q61A0449	26
40	21Q61A0450	34
41	21Q61A0451	26
42	21Q61A0454	15
43	21Q61A0455	13
44	21Q61A0456	32
45	21Q61A0457	7
46	21Q61A0458	6
47	22Q65A0401	14
48	22Q65A0402	26
49	22Q65A0403	26
50	22Q65A0404	28
51	22Q65A0405	28
52	22Q65A0406	-1
53	22Q65A0407	17
54	22Q65A0408	35
55	22Q65A0409	31
56	22Q65A0410	33
57	22Q65A0411	30
58	22Q65A0412	30
59	22Q65A0413	32
60	22Q65A0414	29
61	22Q65A0415	33
62	22Q65A0416	29
63	22Q65A0417	30
64	22Q65A0418	55
65	22Q65A0419	26
66	22Q65A0420	33
67	22Q65A0421	29

No. of students who attempted the subject	67
Max. Marks	75
No. of students secured > 26 marks	50
Percentage of students secured > 26 marks	74.6
Overall External Attainment level	1

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Overall Course Outcome Attainment

Branch & Section:	ECE	Exam:	
Course:	LAPLACE TRANSFORMS , NUMERICAL METHODS AND	Semester:	II-II

Course Outcomes	1st Internal Exam	2nd Internal Exam	Internal Exam(Avg.)	University Exam	Overall Attainment
Course outcome - 1	3	-	3	3	3
Course outcome - 2	3	-	3	3	3
Course outcome - 3	3	3	3	3	3
Course outcome - 4	-	3	3	3	3
Course outcome - 5	-	3	3	3	3
Average			3	3	3

OVERALL ATTAINMENT OF THE SUBJECT = $0.25*INT + 0.75*EXT$

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COURSE OUTCOMES

CO1	Use the Laplace transforms techniques for solving ODE's
CO2	Find the root of a given polynomial and transcendental equations.
CO3	Estimate the value for the given data using interpolation
CO4	Analyze the complex function with reference to their analyticity, integration using Cauchy's Integral and residue theorems

CO-PO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2	3		2	2							2	2	2
CO2	1	2	2			2						2	2	
CO3	2	2	2		2	2								2
CO4	3	3	3	3	2							2	2	
CO avg(M)	2	2	2	2	1.6	2						2	2	2

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Department:		ELECTRONICS AND COMMUNICATION ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		ECE		Exam:		MID - I (2022-23)	
Course/Sub:		BUSINESS ECONOMICS AND FINANCIAL ANALYSIS		Year/Semister:		III-I	
		CO1	CO2	CO2	CO3		
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	20Q61A0401	5	5			9	5
2	20Q61A0402	4	5			10	0
3	20Q61A0403	4	3			7	5
4	20Q61A0404	3	3			4	5
5	20Q61A0405	3	2			5	5
6	20Q61A0406	5	2			4	5
7	20Q61A0407	2	2			7	5
8	20Q61A0408	2	3			7	5
9	20Q61A0410	4	1			5	5
10	20Q61A0412	4	3			8	5
11	20Q61A0414			4	3	10	5
12	20Q61A0415			5	3	7	5
13	20Q61A0416		5	3		10	5
14	20Q61A0418		5	5		4	5
15	20Q61A0419		5	5		10	5
16	20Q61A0420		2		3	7	5
17	20Q61A0421		5	1		3	5
18	20Q61A0422		5	1		6	5
19	20Q61A0423		2	3		5	5
20	20Q61A0424		3	2		6	5
21	20Q61A0425		5	3		8	5
22	20Q61A0428		5	2		10	5
23	20Q61A0429		5	2		10	5
24	20Q61A0431		5	5		10	5
25	20Q61A0432		5	5		10	5
26	20Q61A0433		2	2		3	5
27	20Q61A0434		2	1		8	5
28	20Q61A0435		5	5		5	5
29	20Q61A0436		3	2		5	5
30	20Q61A0437		3	2		5	5
31	20Q61A0438		3	2		5	5
32	20Q61A0439		2	1		7	5
33	20Q61A0440		5	5		10	5
34	20Q61A0442		1	4		5	5

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35	20Q61A0443		5	5		9	5
36	20Q61A0444	3	5			10	5
37	20Q61A0445		5		5	8	5
38	20Q61A0446	3	5			10	5
39	20Q61A0447	2		5		6	5
40	20Q61A0448		5		3	10	5
41	20Q61A0449		5	5		9	5
42	20Q61A0450	4			1	6	5
43	20Q61A0451		5	3		9	5
44	20Q61A0452		5	3		8	5
45	20Q61A0454		5	2		4	5
46	20Q61A0455		5	2		7	5
47	20Q61A0456		5	5		4	5
48	21Q65A0401		5	1		7	5
49	21Q65A0402		5	5		9	5
50	21Q65A0403		5	5		10	5
51	21Q65A0404		5	2		8	5
52	21Q65A0405		5	4		10	5
53	21Q65A0406		5	5		8	5
54	21Q65A0407		3	2		6	5
55	21Q65A0408		3	3		5	5
56	21Q65A0409		4	5		10	5
57	21Q65A0410		3	2		5	5
58	21Q65A0411		5	5		10	5
59	21Q65A0412		2	5		6	5
60	21Q65A0413		5	5		6	5
61	21Q65A0414		5	2		5	5
62	21Q65A0415	2			2	7	5
63	21Q65A0416	3		2		8	5
64	21Q65A0417		5	5		7	5
65	21Q65A0418		5	5		8	5
66	21Q65A0419		5	3		10	5
67	21Q65A0420		3	2		8	5
68	21Q65A0422	3		5		9	5
69	21Q65A0423	5	5			8	5
70	21Q65A0424			5	5	9	5
71	21Q65A0425		3		3	6	5
72	21Q65A0427		5	5		9	5
No. of students attempted		18	64	53	9	72	72
Max Marks Question wise		5	5	5	5	10	5
Target 50%		2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%		14	53	33	7	72	71
% of Students > 50%		77.78	82.82	62.27	77.78	100	98.62
Attainment Level		3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Department:		ELECTRONICS AND COMMUNICATION ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		ECE		Exam:		MID - II	
Course/Sub:		BUSINESS ECONOMICS AND FINANCIAL ANALYSIS		Year/Semister:		III-I	
		CO3	C03	C04	C05		
SL.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	20Q61A0401	5	4			10	5
2	20Q61A0402	5	5			9	5
3	20Q61A0403	2	2			10	5
4	20Q61A0404	1	4			5	5
5	20Q61A0405	2	1			7	5
6	20Q61A0406	2	3			6	5
7	20Q61A0407	5	4			2	5
8	20Q61A0408	4	5			3	5
9	20Q61A0410	4	2			4	5
10	20Q61A0412	5		4		6	5
11	20Q61A0414	5	3			9	5
12	20Q61A0415	5	1			9	5
13	20Q61A0416	4	5			9	5
14	20Q61A0418	5	4			7	5
15	20Q61A0419	5			5	10	5
16	20Q61A0420	5			1	6	5
17	20Q61A0421	3			2	4	5
18	20Q61A0422	2			3	7	5
19	20Q61A0423	3		3		4	5
20	20Q61A0424	5		3		3	5
21	20Q61A0425	3		3		10	5
22	20Q61A0428	5		3		9	5
23	20Q61A0429	5		3		9	5
24	20Q61A0431	5		5		10	5
25	20Q61A0432	5		5		10	5
26	20Q61A0433	1		1		5	5
27	20Q61A0434	2		3		6	5
28	20Q61A0435	5		3		7	5
29	20Q61A0436		5	1		4	5
30	20Q61A0437		5			2	5
31	20Q61A0438		5		1	4	5
32	20Q61A0439	2	3			5	5
33	20Q61A0440			5	5	10	5
34	20Q61A0442			2	2	6	5


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35	20Q61A0443			4	5	10	.	
36	20Q61A0444			4	5	9	5	
37	20Q61A0445		4		5	9	5	
38	20Q61A0446		5		5	8	5	
39	20Q61A0447		5		4	4	5	
40	20Q61A0448		5		4	9	5	
41	20Q61A0449		5		4	10	5	
42	20Q61A0450		5		3	3	5	
43	20Q61A0451		5		2	10	5	
44	20Q61A0452		4		2	10	5	
45	20Q61A0454		5		3	3	5	
46	20Q61A0455		3		3	8	5	
47	20Q61A0456		2		5	7	5	
48	21Q65A0401		3		2	8	5	
49	21Q65A0402		5		4	10	5	
50	21Q65A0403		5		5	10	5	
51	21Q65A0404		4		5	6	5	
52	21Q65A0405		5		5	9	5	
53	21Q65A0406		5		4	9	5	
54	21Q65A0407		2		2	7	5	
55	21Q65A0408		2		5	4	5	
56	21Q65A0409	5	5			9	5	
57	21Q65A0410			3	3	4	5	
58	21Q65A0411		5		5	10	5	
59	21Q65A0412		5		3	5	5	
60	21Q65A0413	3	5			8	5	
61	21Q65A0414			3	3	6	5	
62	21Q65A0415			3	3	5	5	
63	21Q65A0416		3	3		7	5	
64	21Q65A0417	3		5		9	5	
65	21Q65A0418			5	4	9	5	
66	21Q65A0419			5	4	9	5	
67	21Q65A0420		5	1		7	5	
68	21Q65A0422				4	3	10	3
69	21Q65A0423				4	5	9	5
70	21Q65A0424	4				5	10	5
71	21Q65A0425		3			4	5	5
72	21Q65A0427		5			4	10	5
No. of students attempted		33	44	26	41	72	72	
Max Marks Question wise		5	5	5	5	10	5	
Target 50%		2.5	2.5	2.5	2.5	5	2.5	
No. of Students above 50%		25	37	22	32	71	71	
% of Students > 50%		75.76	84.1	84.62	78.05	98.62	98.62	
Attainment Level		3	3	3	3	3	3	

Attainment table		Attainment table	
50-60%	1	50-60%	1
60-70%	2	60-70%	2
70-80%	3	70-80%	3

Q1- CO1

Q2, Q3 - CO2

Q4 - CO3



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Department:	ELECTRONICS AND COMMUNICATION ENGINEERING		
Course Outcome Attainment External Examination			
Branch & Section:	ECE - 2022-2023	Exam:	EXTERNAL
Course:	BUSINESS ECONOMICS AND FINANCIAL ANALYSIS	Year/Semister:	III-I

S.NO.	HALLTICKET NO	TOTAL(Max. Score Marks)
1	21Q61A6701	45
2	21Q61A6702	31
3	21Q61A6703	26
4	21Q61A6705	9
5	21Q61A6706	26
6	21Q61A6707	26
7	21Q61A6708	8
8	21Q61A6709	10
9	21Q61A6710	31
10	21Q61A6711	14
11	21Q61A6712	26
12	21Q61A6713	15
13	21Q61A6714	27
14	21Q61A6715	13
15	21Q61A6716	38
16	21Q61A6717	12
17	21Q61A6718	12
18	21Q61A6719	14
19	21Q61A6720	13
20	21Q61A6721	15
21	21Q61A6722	27
22	21Q61A6723	29
23	21Q61A6724	30
24	21Q61A6725	39
25	21Q61A6726	32
26	21Q61A6727	6
27	21Q61A6728	36
28	21Q61A6729	26
29	21Q61A6730	13
30	21Q61A6731	36
31	21Q61A6732	31
32	21Q61A6733	28
33	21Q61A6734	36
34	21Q61A6735	3
35	21Q61A6736	31
36	21Q61A6737	29
37	21Q61A6738	30
38	21Q61A6739	41
39	21Q61A6740	35


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40	21Q61A6741	38
41	21Q61A6742	37
42	21Q61A6743	28
43	21Q61A6744	38
44	21Q61A6745	42
45	21Q61A6746	26
46	21Q61A6747	26
47	21Q61A6749	37
48	21Q61A6750	43
49	21Q61A6751	32
50	21Q61A6752	39
51	21Q61A6753	38
52	21Q61A6754	42
53	21Q61A6756	41
54	21Q61A6758	29
55	21Q61A6759	35
56	21Q61A6760	43
57	21Q61A6761	41
58	21Q61A6762	47
59	21Q61A6763	30
60	22Q65A6701	43
61	22Q65A6702	26
62	22Q65A6703	19
63	22Q65A6704	34
64	21Q65A0417	29
65	21Q65A0418	36
66	21Q65A0419	47
67	21Q65A0420	42
68	21Q65A0422	46
69	21Q65A0423	40
70	21Q65A0424	44
71	21Q65A0425	36
72	21Q65A0427	42

No. of students who attempted the subject	67
Max. Marks	75
No. of students secured > 26 marks	49
Percentage of students secured > 26 marks	73.1
Overall External Attainment level	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3



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Overall Course Outcome Attainment

Branch & Section:	ECE	Exam:	
Course:	BUSINESS ECONOMICS AND FINANCIAL ANALYSIS	Semister:	III-I

Course Outcomes	1st Internal Exam	2nd Internal Exam	Internal Exam(Avg.)	University Exam	Overall Attainment
Course outcome - 1	3	-	3	3	3
Course outcome - 2	3	-	3	3	3
Course outcome - 3	3	3	3	3	3
Course outcome - 4	-	3	3	3	3
Course outcome - 5	-	3	3	3	3
Average			3	3	3

OVERALL ATTAINMENT OF THE SUBJECT = 0.25*INT + 0.75*EXT

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COURSE OUTCOMES

CO1	The students will understand the various Forms of Business and the impact of economic variables on the Business.													
CO2	The Demand, Supply, Production, Cost, Market Structure, Pricing aspects are learnt. Co.3 The Students can study the firm's financial position by analyzing the Financial Statements of a Company.													
CO-PO Mapping														
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	2	2			2	2					3	2	2
CO2	3	2	2			2	2					3	2	2
CO avg(M)	3	2	2			2	2					3	2	2

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Department:		ELECTRONICS AND COMMUNICATION ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		ECE		Exam:		MID - I (2022-23)	
Course/Sub:		CONTROL SYSTEMS		Year/Semister:		III-I	
		CO1	C02	C02	C03		
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	20Q61A0401	5	5			9	5
2	20Q61A0402	4	5			10	5
3	20Q61A0403	4	3			7	5
4	20Q61A0404	2	2			5	5
5	20Q61A0405	3	5			6	5
6	20Q61A0406	3	2			6	5
7	20Q61A0407	3	2			5	5
8	20Q61A0408	3	3			5	5
9	20Q61A0410	4	2			4	5
10	20Q61A0412	4	5			10	5
11	20Q61A0414			4	3	7	5
12	20Q61A0415			1	3	7	5
13	20Q61A0416		5	3		8	5
14	20Q61A0418		5	5		8	5
15	20Q61A0419		5	4		10	5
16	20Q61A0420		4		3	6	5
17	20Q61A0421		5	2		4	5
18	20Q61A0422		3	2		5	5
19	20Q61A0423		2	3		5	5
20	20Q61A0424		3	2		6	5
21	20Q61A0425		5	4		10	5
22	20Q61A0428		5	3		10	5
23	20Q61A0429		5	5		9	5
24	20Q61A0431		5	4		10	5
25	20Q61A0432		5	5		6	5
26	20Q61A0433		2	3		5	5
27	20Q61A0434		2	3		5	5
28	20Q61A0435		5	2		6	5
29	20Q61A0436		3	2		6	5
30	20Q61A0437		3	4		5	5
31	20Q61A0438		3	2		5	5
32	20Q61A0439		2	3		6	5
33	20Q61A0440		5	5		9	5
34	20Q61A0442		2	4		3	5
35	20Q61A0443		5	5		9	5
36	20Q61A0444	3	5			7	5
37	20Q61A0445		5			8	5
38	20Q61A0446	5	5			9	5


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39	20Q61A0447	2		4		6	5
40	20Q61A0448		5		4	10	5
41	20Q61A0449		5	3		10	5
42	20Q61A0450	4			3	6	5
43	20Q61A0451		5	4		10	5
44	20Q61A0452		5	5		6	5
45	20Q61A0454		3	2		5	5
46	20Q61A0455		3	2		7	5
47	20Q61A0456		3	2		10	5
48	21Q65A0401		5	2		8	5
49	21Q65A0402		5	5		6	5
50	21Q65A0403		5	5		9	5
51	21Q65A0404		5	2		10	5
52	21Q65A0405		5	4		10	5
53	21Q65A0406		5	5		9	5
54	21Q65A0407		3	3		6	5
55	21Q65A0408		3	3		7	5
56	21Q65A0409		4	5		10	5
57	21Q65A0410		3	2		5	5
58	21Q65A0411		5	5		9	5
59	21Q65A0412		2	4		7	5
60	21Q65A0413		5	3		10	0
61	21Q65A0414		3	2		8	5
62	21Q65A0415	3			2	7	5
63	21Q65A0416	3		2		5	5
64	21Q65A0417		5	5		9	5
65	21Q65A0418		5	5		7	5
66	21Q65A0419		5	4		10	5
67	21Q65A0420		5	5		8	5
68	21Q65A0422	3		4		7	5
69	21Q65A0423	3	3			10	5
70	21Q65A0424			5	5	9	5
71	21Q65A0425		3		2	5	5
72	21Q65A0427		5	5		7	5
No. of students attempted		18	64	53	9	72	72
Max Marks Question wise		5	5	5	5	10	5
Target 50%		2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%		16	54	38	7	72	71
% of Students>50%		88.89	84.38	71.7	77.78	100	98.62
Attainment Level		3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3



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Department:		ELECTRONICS AND COMMUNICATION ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		ECE		Exam:		MID - II	
Course/Sub:		CONTROL SYSTEMS		Year/Semester:		III-I	
		CO3	C03	C04	C05		
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	20Q61A0401	5	4			10	5
2	20Q61A0402	5	5			9	5
3	20Q61A0403	4	4			6	5
4	20Q61A0404	1	2			6	5
5	20Q61A0405	4	5			5	5
6	20Q61A0406	2	1			8	5
7	20Q61A0407	2	4			4	5
8	20Q61A0408	3	5			3	5
9	20Q61A0410	1	2			7	5
10	20Q61A0412	5		5		9	5
11	20Q61A0414	5	3			6	5
12	20Q61A0415	2	1			8	5
13	20Q61A0416	4	2			10	5
14	20Q61A0418	5	3			10	5
15	20Q61A0419	5			5	9	5
16	20Q61A0420	5			4	4	5
17	20Q61A0421	3			5	3	5
18	20Q61A0422	3			3	4	5
19	20Q61A0423	2		2		6	5
20	20Q61A0424	2		2		7	5
21	20Q61A0425	5		5		9	5
22	20Q61A0428	5		4		9	5
23	20Q61A0429	5		4		10	5
24	20Q61A0431	5		5		9	5
25	20Q61A0432	5		3		8	5
26	20Q61A0433	4		2		4	5
27	20Q61A0434	4		2		4	5
28	20Q61A0435	2		3		8	5
29	20Q61A0436		3	1		7	5
30	20Q61A0437		2			8	5
31	20Q61A0438		5			4	5
32	20Q61A0439	2	2			7	5
33	20Q61A0440			5	4	10	5
34	20Q61A0442			2	3	4	5
35	20Q61A0443			4	5	10	5
36	20Q61A0444			4	1	10	5


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37	20Q61A0445		4	5	9	5		
38	20Q61A0446		5	4	10	5		
39	20Q61A0447		4	4	4	5		
40	20Q61A0448		5	5	9	5		
41	20Q61A0449		5	5	8	5		
42	20Q61A0450		2	3	8	5		
43	20Q61A0451		5	5	9	5		
44	20Q61A0452		4	4	8	5		
45	20Q61A0454		1	3	6	5		
46	20Q61A0455		3	3	6	5		
47	20Q61A0456		3	5	7	5		
48	21Q65A0401		3	3	9	5		
49	21Q65A0402		5	3	8	5		
50	21Q65A0403		5	4	10	5		
51	21Q65A0404		4	4	9	5		
52	21Q65A0405		5	5	9	5		
53	21Q65A0406		5	4	10	5		
54	21Q65A0407		2	2	8	5		
55	21Q65A0408		3	5	5	3		
56	21Q65A0409	5	5		9	5		
57	21Q65A0410			3	3	4	5	
58	21Q65A0411		4		5	10	5	
59	21Q65A0412		2		3	8	5	
60	21Q65A0413	4	5			9	5	
61	21Q65A0414			3	3	7	5	
62	21Q65A0415			2	2	8	5	
63	21Q65A0416		3	3		4	5	
64	21Q65A0417	4		5		10	5	
65	21Q65A0418			4	4	9	5	
66	21Q65A0419			5	5	9	5	
67	21Q65A0420		5	4		9	5	
68	21Q65A0422				4	4	6	3
69	21Q65A0423				4	4	8	5
70	21Q65A0424	4				5	10	5
71	21Q65A0425			3		3	4	5
72	21Q65A0427			5		3	9	5
No. of students attempted		33	44	26	41	72	72	
Max Marks Question wise		5	5	5	5	10	5	
Target 50%		2.5	2.5	2.5	2.5	5	2.5	
No. of Students above 50%		24	33	19	36	72	72	
% of Students>50%		72.73	75	73.08	87.81	100	100	
Attainment Level		3	3	3	3	3	3	

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Department:		ELECTRONICS AND COMMUNICATION ENGINEERING	
Course Outcome Attainment External Examination			
Branch & Section:	ECE - 2022-2023	Exam:	EXTERNAL
Course:	CONTROL SYSTEMS	Year/Semister:	III-I
S.NO.	HALLTICKET NO	TOTAL(Max. Score Marks)	
1	21Q61A6701	57	
2	21Q61A6702	36	
3	21Q61A6703	26	
4	21Q61A6705	0	
5	21Q61A6706	14	
6	21Q61A6707	15	
7	21Q61A6708	33	
8	21Q61A6709	27	
9	21Q61A6710	42	
10	21Q61A6711	26	
11	21Q61A6712	56	
12	21Q61A6713	34	
13	21Q61A6714	42	
14	21Q61A6715	18	
15	21Q61A6716	62	
16	21Q61A6717	18	
17	21Q61A6718	6	
18	21Q61A6719	26	
19	21Q61A6720	8	
20	21Q61A6721	1	
21	21Q61A6722	48	
22	21Q61A6723	54	
23	21Q61A6724	37	
24	21Q61A6725	60	
25	21Q61A6726	29	
26	21Q61A6727	1	
27	21Q61A6728	11	
28	21Q61A6729	31	
29	21Q61A6730	5	
30	21Q61A6731	37	
31	21Q61A6732	7	
32	21Q61A6733	16	
33	21Q61A6734	39	
34	21Q61A6735	2	
35	21Q61A6736	50	


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36	21Q61A6737	31
37	21Q61A6738	28
38	21Q61A6739	37
39	21Q61A6740	19
40	21Q61A6741	30
41	21Q61A6742	33
42	21Q61A6743	26
43	21Q61A6744	8
44	21Q61A6745	35
45	21Q61A6746	5
46	21Q61A6747	26
47	21Q61A6749	26
48	21Q61A6750	42
49	21Q61A6751	30
50	21Q61A6752	56
51	21Q61A6753	36
52	21Q61A6754	45
53	21Q61A6756	45
54	21Q61A6758	18
55	21Q61A6759	36
56	21Q61A6760	54
57	21Q61A6761	14
58	21Q61A6762	41
59	21Q61A6763	26
60	22Q65A6701	26
61	22Q65A6702	26
62	22Q65A6703	7
63	22Q65A6704	27
64	21Q65A0417	26
65	21Q65A0418	39
66	21Q65A0419	33
67	21Q65A0420	34
68	21Q65A0422	46
69	21Q65A0423	39
70	21Q65A0424	49
71	21Q65A0425	26
72	21Q65A0427	46

No. of students who attempted the subject	67
Max. Marks	75
No. of students secured > 26 marks	41
Percentage of students secured > 26 marks	61.2
Overall External Attainment level	2

Attainment table	
50-60%	1
60-70%	2


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Overall Course Outcome Attainment			
Name of the Faculty:		Academic Year:	2022-23
Branch & Section:	ECE	Exam:	
Course:	CONTROL SYSTEMS	Semester:	III-I

Course Outcomes	1st Internal Exam	2nd Internal Exam	Internal Exam(Avg.)	University Exam	Overall Attainment
Course outcome - 1	3	-	3	2	2.25
Course outcome - 2	3	-	3	2	2.25
Course outcome - 3	3	3	3	2	2.25
Course outcome - 4	-	3	3	2	2.25
Course outcome - 5	-	3	3	2	2.25
Average			3	2	2.25

OVERALL ATTAINMENT OF THE SUBJECT = $0.25*INT + 0.75*EXT$

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COURSE OUTCOMES

CO1	Understand the modeling of linear-time-invariant systems using transfer function and state space representations.
CO2	Understand the concept of stability and its assessment for linear-time invariant systems.
CO3	Design simple feedback controllers.

CO-PO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	3	2	3	2							3	2	
CO2	2	3	2	2								3	3	
CO3	3	2	2	3								3	3	
CO avg(M)	2.6	2.6	2	2.6	2							3	2.5	

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Department:		ELECTRONICS AND COMMUNICATION ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		ECE		Exam:		MID - I(2022-23)	
Course/Sub:		DATA COMMUNICATIONS AND NETWORKS		Year/Semister:		III-I	
		CO1	C02	C02	C03		
SLNo	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	20Q61A0401	5	5			9	5
2	20Q61A0402	4	4			10	0
3	20Q61A0403	4	2			7	5
4	20Q61A0404	2	4			5	5
5	20Q61A0405	3	4			8	5
6	20Q61A0406	3	5			7	5
7	20Q61A0407	3	2			8	5
8	20Q61A0408	3	4			7	5
9	20Q61A0410	4	4			8	5
10	20Q61A0412	2	5			10	5
11	20Q61A0414			4	3	8	5
12	20Q61A0415			4	3	7	5
13	20Q61A0416		5	3		9	5
14	20Q61A0418		5	3		7	5
15	20Q61A0419		5	5		9	5
16	20Q61A0420		4		2	7	5
17	20Q61A0421		3	2		10	5
18	20Q61A0422		3	5		6	5
19	20Q61A0423		2	5		5	5
20	20Q61A0424		3	4		8	5
21	20Q61A0425		5	2		10	5
22	20Q61A0428		5	4		10	5
23	20Q61A0429		5	2		7	5
24	20Q61A0431		5	5		10	5
25	20Q61A0432		5	4		10	5
26	20Q61A0433		4	3		6	5
27	20Q61A0434		4	3		5	5
28	20Q61A0435		5	5		6	5
29	20Q61A0436		3	4		5	5
30	20Q61A0437		3	4		10	5
31	20Q61A0438		3	5		5	5
32	20Q61A0439		4	3		7	5
33	20Q61A0440		5	5		8	5
34	20Q61A0442		4	4		5	5
35	20Q61A0443		5	5		9	5


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36	20Q61A0444	4	5			10	5
37	20Q61A0445		5		5	10	5
38	20Q61A0446	5	4			10	5
39	20Q61A0447	5		4		10	5
40	20Q61A0448		5		5	10	5
41	20Q61A0449		5	5		10	5
42	20Q61A0450	4			3	7	5
43	20Q61A0451		3	4		10	5
44	20Q61A0452		3	5		9	5
45	20Q61A0454		3	4		8	5
46	20Q61A0455		5	5		7	5
47	20Q61A0456		3	5		9	5
48	21Q65A0401		3	2		10	5
49	21Q65A0402		5	5		9	5
50	21Q65A0403		5	5		10	5
51	21Q65A0404		5	2		10	5
52	21Q65A0405		4	4		10	5
53	21Q65A0406		5	5		9	5
54	21Q65A0407		4	3		7	5
55	21Q65A0408		5	5		6	5
56	21Q65A0409		4	5		10	5
57	21Q65A0410		3	2		5	5
58	21Q65A0411		5	5		10	5
59	21Q65A0412		2	5		10	5
60	21Q65A0413		5	5		8	5
61	21Q65A0414		3	4		10	5
62	21Q65A0415	5			5	7	5
63	21Q65A0416	4		3		8	5
64	21Q65A0417		5	5		9	5
65	21Q65A0418		5	5		8	5
66	21Q65A0419		5	4		10	5
67	21Q65A0420		5	5		8	5
68	21Q65A0422	5		5		9	5
69	21Q65A0423	4		5		10	5
70	21Q65A0424			5	4	9	5
71	21Q65A0425		3		5	6	5
72	21Q65A0427		5	5		10	5
No. of students attempted		18	64	53	9	72	72
Max Marks Question wise		5	5	5	5	10	5
Target 50%		2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%		16	60	47	8	72	71
% of Students > 50%		88.89	93.75	88.68	88.89	100	98.62
Attainment Level		3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3

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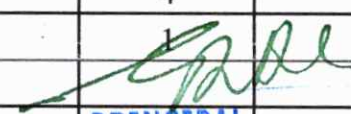
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Department:		ELECTRONICS AND COMMUNICATION ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		ECE		Exam:		MID - II	
Course/Sub:		DATA COMMUNICATIONS AND NETWORKS		Year/Semester:		III-I	
		CO3	C04	C04	C05		
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	20Q61A0401	5	4			10	5
2	20Q61A0402	5	4			9	5
3	20Q61A0403	4	1			8	5
4	20Q61A0404	1	3			7	5
5	20Q61A0405	4	5			6	5
6	20Q61A0406	5	3			6	5
7	20Q61A0407	5	4			4	5
8	20Q61A0408	3	5			6	5
9	20Q61A0410	4	2			10	5
10	20Q61A0412	5		3		9	5
11	20Q61A0414	5	4			6	5
12	20Q61A0415	2	4			8	5
13	20Q61A0416	4	3			10	5
14	20Q61A0418	5	1			9	5
15	20Q61A0419	5			4	10	5
16	20Q61A0420	1			4	8	5
17	20Q61A0421	2			5	8	5
18	20Q61A0422	4			3	7	5
19	20Q61A0423	3		3		6	5
20	20Q61A0424	4		5		6	5
21	20Q61A0425	5		3		9	5
22	20Q61A0428	5		5		9	5
23	20Q61A0429	5		3		6	5
24	20Q61A0431	5		5		10	5
25	20Q61A0432	5		5		9	5
26	20Q61A0433	4		1		8	5
27	20Q61A0434	4		4		6	5
28	20Q61A0435	5		3		8	5
29	20Q61A0436		3	3		6	5
30	20Q61A0437		4		4	9	5
31	20Q61A0438		5		1	7	5
32	20Q61A0439	3	3			8	5
33	20Q61A0440			5		9	5
34	20Q61A0442			3		7	5
35	20Q61A0443			4		10	5
36	20Q61A0444			5		9	5


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37	20Q61A0445		5		5	10	5	
38	20Q61A0446		5		5	9	5	
39	20Q61A0447		4		5	10	5	
40	20Q61A0448		5		5	10	5	
41	20Q61A0449		5		5	10	5	
42	20Q61A0450		5		3	6	5	
43	20Q61A0451		5		3	9	5	
44	20Q61A0452		4		3	10	5	
45	20Q61A0454		4		5	6	5	
46	20Q61A0455		3		5	9	5	
47	20Q61A0456		5		5	7	5	
48	21Q65A0401		4		5	9	5	
49	21Q65A0402		5		4	10	5	
50	21Q65A0403		5		5	10	5	
51	21Q65A0404		4		4	9	5	
52	21Q65A0405		5		4	9	5	
53	21Q65A0406		5		4	10	5	
54	21Q65A0407		4		4	6	5	
55	21Q65A0408		3		5	8	3	
56	21Q65A0409	5	5			9	5	
57	21Q65A0410			3	3	4	5	
58	21Q65A0411		5		5	10	5	
59	21Q65A0412		5		3	9	5	
60	21Q65A0413	4	5			9	5	
61	21Q65A0414			4	4	9	5	
62	21Q65A0415			5	3	9	5	
63	21Q65A0416		3	3		9	5	
64	21Q65A0417	4		5		10	5	
65	21Q65A0418			5	4	9	5	
66	21Q65A0419			5	5	9	5	
67	21Q65A0420		5	4		9	5	
68	21Q65A0422				5	5	9	3
69	21Q65A0423				5	5	9	5
70	21Q65A0424	4				5	10	5
71	21Q65A0425			3		4	7	5
72	21Q65A0427			5		5	10	5
No. of students attempted		33	44	26	41	72	72	
Max Marks Question wise		5	5	5	5	10	5	
Target 50%		2.5	2.5	2.5	2.5	5	2.5	
No. of Students above 50%		29	41	25	40	72	72	
% of Students>50%		87.88	93.19	96.16	97.57	100	100	
Attainment Level		3	3	3	3	3	3	

Attainment table		Attainment table	
50-60%	1	50-60%	1
60-70%	2	60-70%	2
70-80%	3	70-80%	3

Q1- CO1

Q2, Q3 - CO2

Q4 - CO3


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Department:	ELECTRONICS AND COMMUNICATION ENGINEERING		
Course Outcome Attainment External Examination			
Branch & Section:	ECE - 2022-2023	Exam:	EXTERNAL
Course:	DATA COMMUNICATIONS AND NETWORKS	Year/Semester:	III-I

S.NO.	HALLTICKET NO	TOTAL(Max. Score Marks)
1	21Q61A6701	39
2	21Q61A6702	29
3	21Q61A6703	35
4	21Q61A6705	2
5	21Q61A6706	26
6	21Q61A6707	26
7	21Q61A6708	26
8	21Q61A6709	30
9	21Q61A6710	30
10	21Q61A6711	20
11	21Q61A6712	40
12	21Q61A6713	41
13	21Q61A6714	30
14	21Q61A6715	27
15	21Q61A6716	41
16	21Q61A6717	26
17	21Q61A6718	19
18	21Q61A6719	26
19	21Q61A6720	20
20	21Q61A6721	31
21	21Q61A6722	33
22	21Q61A6723	33
23	21Q61A6724	26
24	21Q61A6725	41
25	21Q61A6726	41
26	21Q61A6727	20
27	21Q61A6728	27
28	21Q61A6729	28
29	21Q61A6730	18
30	21Q61A6731	53
31	21Q61A6732	34
32	21Q61A6733	17
33	21Q61A6734	43
34	21Q61A6735	10
35	21Q61A6736	47
36	21Q61A6737	34
37	21Q61A6738	31
38	21Q61A6739	37
39	21Q61A6740	30


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40	21Q61A6741	27
41	21Q61A6742	26
42	21Q61A6743	27
43	21Q61A6744	20
44	21Q61A6745	22
45	21Q61A6746	21
46	21Q61A6747	29
47	21Q61A6749	18
48	21Q61A6750	48
49	21Q61A6751	35
50	21Q61A6752	43
51	21Q61A6753	26
52	21Q61A6754	26
53	21Q61A6756	35
54	21Q61A6758	18
55	21Q61A6759	26
56	21Q61A6760	29
57	21Q61A6761	26
58	21Q61A6762	38
59	21Q61A6763	28
60	22Q65A6701	31
61	22Q65A6702	21
62	22Q65A6703	15
63	22Q65A6704	29
64	21Q65A0417	39
65	21Q65A0418	23
66	21Q65A0419	52
67	21Q65A0420	40
68	21Q65A0422	53
69	21Q65A0423	42
70	21Q65A0424	37
71	21Q65A0425	20
72	21Q65A0427	53

No. of students who attempted the subject	67
Max. Marks	75
No. of students secured > 26 marks	52
Percentage of students secured > 26 marks	77.6
Overall External Attainment level	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Overall Course Outcome Attainment

Name of the Faculty:		Academic Year:	2022-23
Branch & Section:	ECE	Exam:	
Course:	DATA COMMUNICATIONS AND NETWORKS	Semester:	III-I

Course Outcomes	1st Internal Exam	2nd Internal Exam	Internal Exam(Avg.)	University Exam	Overall Attainment
Course outcome - 1	3	-	3	3	3
Course outcome - 2	3	-	3	3	3
Course outcome - 3	3	3	3	3	3
Course outcome - 4	-	3	3	3	3
Course outcome - 5	-	3	3	3	3
Average			3	3	3

OVERALL ATTAINMENT OF THE SUBJECT = 0.25*INT + 0.75*EXT


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COURSE OUTCOMES

CO1	Know the Categories and functions of various Data communication Networks
CO2	Design and analyze various error detection techniques.
CO3	Demonstrate the mechanism of routing the data in network layer
CO4	Know the significance of various Flow control and Congestion control Mechanism

CO-PO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	3	2	2	1								2	2
CO2	3	3	2	2	2									2
CO3	3	3	2	2	1								1	
CO4													2	2
CO avg(M)	3	3	2	2	2								2	2

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Department:		ELECTRONICS AND COMMUNICATION ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		ECE		Exam:		MID - I (2022-23)	
Course/Sub:		ELECTRONIC MEASUREMENT AND INSTRUMENTATION		Year/Semester:		III-I	
		CO1	CO2	C02	C03		
Sl.No	Roll Number	Question No.				Objective	Assignment
Maximum Marks		Q1	Q2	Q3	Q4	10	5
1	20Q61A0401	5	5			9	5
2	20Q61A0402	4	4			10	5
3	20Q61A0403	4	2			7	5
4	20Q61A0404	2	3			5	5
5	20Q61A0405	3	4			6	5
6	20Q61A0406	3	3			6	5
7	20Q61A0407	3	2			8	5
8	20Q61A0408	3	1			7	5
9	20Q61A0410	4	3			8	5
10	20Q61A0412	3	5			10	5
11	20Q61A0414			5	3	8	5
12	20Q61A0415			3	3	7	5
13	20Q61A0416		5	3		8	5
14	20Q61A0418		2	3		7	5
15	20Q61A0419		5	5		8	5
16	20Q61A0420		3		2	5	5
17	20Q61A0421		3	2		8	5
18	20Q61A0422		2	5		6	5
19	20Q61A0423		2	5		5	5
20	20Q61A0424		3	3		8	5
21	20Q61A0425		5	2		10	5
22	20Q61A0428		2	4		10	5
23	20Q61A0429		5	5		7	5
24	20Q61A0431		5	4		10	5
25	20Q61A0432		5	3		10	5
26	20Q61A0433		3	3		6	5
27	20Q61A0434		4	3		5	5
28	20Q61A0435		2	5		8	5
29	20Q61A0436		3	1		6	5
30	20Q61A0437		3	5		10	5
31	20Q61A0438		3	3		3	5
32	20Q61A0439		4	3		7	5
33	20Q61A0440		5	5		8	5
34	20Q61A0442		4			5	5
35	20Q61A0443		5	5		8	5
36	20Q61A0444	4	4			10	5


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37	20Q61A0445		4		5	10	5	
38	20Q61A0446	5	5			9	5	
39	20Q61A0447	5		2		10	5	
40	20Q61A0448		5		5	8	5	
41	20Q61A0449		5	4		10	5	
42	20Q61A0450	4			3	8	5	
43	20Q61A0451		3	4		10	5	
44	20Q61A0452		3	5		8	5	
45	20Q61A0454		3	4		6	5	
46	20Q61A0455		5	2		8	5	
47	20Q61A0456		3	5		10	5	
48	21Q65A0401		3	5		10	5	
49	21Q65A0402		5	5		8	5	
50	21Q65A0403		5	5		10	5	
51	21Q65A0404		3	2		10	5	
52	21Q65A0405		5	5		10	5	
53	21Q65A0406		5	5		9	5	
54	21Q65A0407		2	2		7	5	
55	21Q65A0408		5	5		5	5	
56	21Q65A0409		4	5		10	5	
57	21Q65A0410		3	2		5	5	
58	21Q65A0411		5	5		9	5	
59	21Q65A0412		2	3		7	5	
60	21Q65A0413		5	5		8	5	
61	21Q65A0414		3	3		10	5	
62	21Q65A0415	3			3	7	5	
63	21Q65A0416	4		3		7	5	
64	21Q65A0417		5	5		9	5	
65	21Q65A0418		5	5		7	5	
66	21Q65A0419		5	3		10	5	
67	21Q65A0420		5	5		7	5	
68	21Q65A0422	5			5	9	5	
69	21Q65A0423	4		5		10	5	
70	21Q65A0424				5	5	9	5
71	21Q65A0425			3		3	6	5
72	21Q65A0427			5	5		8	5
No. of students attempted		18	64	53	9	72	72	
Max Marks Question wise		5	5	5	5	10	5	
Target 50%		2.5	2.5	2.5	2.5	5	2.5	
No. of Students above 50%		17	54	44	8	72	72	
% of Students > 50%		94.45	84.38	83.02	88.89	100	100	
Attainment Level		3	3	3	3	3	3	

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Department:		ELECTRONICS AND COMMUNICATION ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Name of the Faculty:		ECE		Academic Year:		2022-23	
Branch & Section:		ECE		Exam:		MID - II	
Course/Sub:		ELECTRONIC MEASUREMENT AND INSTRUMENTATION		Year/Semister:		III-I	
		CO3	C04	C04	C05		
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	20Q61A0401	5	4			10	5
2	20Q61A0402	5	4			9	5
3	20Q61A0403	4	1			8	5
4	20Q61A0404	1	2			7	5
5	20Q61A0405	4	5			4	5
6	20Q61A0406	1	3			8	5
7	20Q61A0407	5	4			4	5
8	20Q61A0408	3	5			3	5
9	20Q61A0410	3	2			10	5
10	20Q61A0412	5		4		9	5
11	20Q61A0414	5	5			6	5
12	20Q61A0415	2	3			8	5
13	20Q61A0416	3	3			10	5
14	20Q61A0418	2	1			9	5
15	20Q61A0419	5			4	9	5
16	20Q61A0420	1			5	4	5
17	20Q61A0421	2			4	7	5
18	20Q61A0422	4			1	8	5
19	20Q61A0423	3		3		6	5
20	20Q61A0424	4		3		7	5
21	20Q61A0425	5		3		9	5
22	20Q61A0428	5		3		8	5
23	20Q61A0429	5		3		9	5
24	20Q61A0431	5		5		9	5
25	20Q61A0432	5		4		9	5
26	20Q61A0433	3		1		8	5
27	20Q61A0434	4		4		4	5
28	20Q61A0435	5		4		6	5
29	20Q61A0436		3	2		5	5
30	20Q61A0437		4		5	9	5
31	20Q61A0438		4		1	4	5

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32	20Q61A0439	3	3			8	5
33	20Q61A0440			5	4	9	5
34	20Q61A0442			3	3	4	5
35	20Q61A0443			4	5	9	5
36	20Q61A0444			5	5	8	5
37	20Q61A0445		5		5	9	5
38	20Q61A0446		5		4	10	5
39	20Q61A0447		4		4	9	5
40	20Q61A0448		5		4	9	5
41	20Q61A0449		5		5	9	5
42	20Q61A0450		5		4	6	5
43	20Q61A0451		5		3	9	5
44	20Q61A0452		4		2	10	5
45	20Q61A0454		4		1	8	5
46	20Q61A0455		4		5	6	5
47	20Q61A0456		4		5	9	5
48	21Q65A0401		4		5	9	5
49	21Q65A0402		5		4	9	5
50	21Q65A0403		5		5	10	5
51	21Q65A0404		4		4	7	5
52	21Q65A0405		5		5	10	5
53	21Q65A0406		5		4	10	5
54	21Q65A0407		1		4	6	5
55	21Q65A0408		2		5	8	3
56	21Q65A0409	5	5			9	5
57	21Q65A0410			3	3	4	5
58	21Q65A0411		4		5	10	5
59	21Q65A0412		1		3	8	5
60	21Q65A0413	4	5			9	5
61	21Q65A0414			4	4	8	5
62	21Q65A0415			5	3	5	5
63	21Q65A0416		3	3		8	5
64	21Q65A0417	4		5		10	5
65	21Q65A0418			4	4	9	5
66	21Q65A0419			5	5	9	5
67	21Q65A0420		5	3		9	5
68	21Q65A0422			4	5	10	3
69	21Q65A0423			5	5	9	5
70	21Q65A0424	4			5	10	5
71	21Q65A0425		3		4	7	5
72	21Q65A0427		4		5	9	5
No. of students attempted		33	44	26	41	72	72
Max Marks Question wise		5	5	5	5	10	5
Target 50%		2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%		27	37	24	37	72	72
% of Students > 50%		81.82	84.1	92.31	90.25	100	100
Attainment Level		3	3	3	3	3	3

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Attainment table	
50-60%	1
60-70%	2
70-80%	3

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Name of the Faculty:		Academic Year:	2022-23
Branch & Section:	ECE - 2022-2023	Exam:	EXTERNAL
Course:	ELECTRONIC MEASUREMENT AND INSTRUMENTATION	Year/Semister:	III-I

S.NO.	HALLTICKET NO	TOTAL(Max. Score Marks)
1	21Q61A6701	41
2	21Q61A6702	28
3	21Q61A6703	5
4	21Q61A6705	0
5	21Q61A6706	4
6	21Q61A6707	11
7	21Q61A6708	5
8	21Q61A6709	18
9	21Q61A6710	26
10	21Q61A6711	14
11	21Q61A6712	27
12	21Q61A6713	1
13	21Q61A6714	26
14	21Q61A6715	5
15	21Q61A6716	33
16	21Q61A6717	2
17	21Q61A6718	2
18	21Q61A6719	16
19	21Q61A6720	3
20	21Q61A6721	1
21	21Q61A6722	44
22	21Q61A6723	27
23	21Q61A6724	34
24	21Q61A6725	39
25	21Q61A6726	36
26	21Q61A6727	3
27	21Q61A6728	2
28	21Q61A6729	26
29	21Q61A6730	4
30	21Q61A6731	41
31	21Q61A6732	5
32	21Q61A6733	26
33	21Q61A6734	37
34	21Q61A6735	0
35	21Q61A6736	36
36	21Q61A6737	26
37	21Q61A6738	36
38	21Q61A6739	42


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39	21Q61A6740	29
40	21Q61A6741	37
41	21Q61A6742	31
42	21Q61A6743	19
43	21Q61A6744	17
44	21Q61A6745	26
45	21Q61A6746	2
46	21Q61A6747	26
47	21Q61A6749	26
48	21Q61A6750	33
49	21Q61A6751	38
50	21Q61A6752	42
51	21Q61A6753	32
52	21Q61A6754	48
53	21Q61A6756	35
54	21Q61A6758	11
55	21Q61A6759	19
56	21Q61A6760	37
57	21Q61A6761	26
58	21Q61A6762	40
59	21Q61A6763	30
60	22Q65A6701	27
61	22Q65A6702	7
62	22Q65A6703	17
63	22Q65A6704	30
64	21Q65A0417	26
65	21Q65A0418	19
66	21Q65A0419	48
67	21Q65A0420	43
68	21Q65A0422	45
69	21Q65A0423	36
70	21Q65A0424	29
71	21Q65A0425	34
72	21Q65A0427	48

No. of students who attempted the subject	67
Max. Marks	75
No. of students secured > 26 marks	41
Percentage of students secured > 26 marks	61.2
Overall External Attainment level	2

Attainment table	
50-60%	1
60-70%	2
70-80%	3



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Overall Course Outcome Attainment

Name of the Faculty:		Academic Year:	2022-23
Branch & Section:	ECE	Exam:	
Course:	ELECTRONIC MEASUREMENT AND INSTRUMENTATION	Semister:	III-I

Course Outcomes	1st Internal Exam	2nd Internal Exam	Internal Exam(Avg.)	University Exam	Overall Attainment
Course outcome - 1	3	-	3	2	2.25
Course outcome - 2	3	-	3	2	2.25
Course outcome - 3	3	3	3	2	2.25
Course outcome - 4	-	3	3	2	2.25
Course outcome - 5	-	3	3	2	2.25
Average			3	2	2.25

OVERALL ATTAINMENT OF THE SUBJECT = $0.25*INT + 0.75*EXT$


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COURSE OUTCOMES

CO1	Measure electrical parameters with different meters and understand the basic definition of measuring parameters
CO2	Use various types of signal generators, signal analyzers for generating and analyzing various real-time signals.
CO3	Operate an Oscilloscope to measure various signals
CO4	Measure various physical parameters by appropriately selecting the transducers.

CO-PO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	3	2	2						2		3	2	2
CO2	3	3	2	3						2		3	2	2
CO3	2	3	2	2								3	2	2
CO4	2	3	2	3						2		3	2	2
CO avg(M)	2.5	3	2	2						2		3	2	2

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Department:		ELECTRONICS AND COMMUNICATION ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		ECE		Exam:		MID - I (2022-23)	
Course/Sub:		MICROPROCESSOR & MICRO CONTROLLERS		Year/Semester:		III-I	
		CO1	C02	C02	C03		
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	20Q61A0401	5	5			8	5
2	20Q61A0402	4	4			10	5
3	20Q61A0403	3	2			7	5
4	20Q61A0404	2	3			5	5
5	20Q61A0405	2	4			6	5
6	20Q61A0406	3	3			6	5
7	20Q61A0407	3	2			5	5
8	20Q61A0408	3	5			7	5
9	20Q61A0410	4	2			4	5
10	20Q61A0412	3	4			10	5
11	20Q61A0414			2	1	6	5
12	20Q61A0415			5	5	7	5
13	20Q61A0416		5	3		8	5
14	20Q61A0418		5	5		9	5
15	20Q61A0419		2	3		4	5
16	20Q61A0420		3		4	8	5
17	20Q61A0421		3	4		10	5
18	20Q61A0422		2	3		5	5
19	20Q61A0423		2	4		5	5
20	20Q61A0424		1	2		6	5
21	20Q61A0425		5	2		5	5
22	20Q61A0428		4	4		10	5
23	20Q61A0429		5	5		6	5
24	20Q61A0431		5	4		10	5
25	20Q61A0432		5	5		9	5
26	20Q61A0433		3	2		6	5
27	20Q61A0434		4	1		5	5
28	20Q61A0435		2	5		10	5
29	20Q61A0436		3	2		6	5
30	20Q61A0437		3	4		10	5
31	20Q61A0438		3			6	5
32	20Q61A0439		4	4		8	5
33	20Q61A0440		5	5		9	5
34	20Q61A0442		4	2		5	5
35	20Q61A0443		5	5		9	5
36	20Q61A0444	4	4			10	5

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37	20Q61A0445		5		5	10	5
38	20Q61A0446	5	5			9	5
39	20Q61A0447	5		3		10	5
40	20Q61A0448		5		5	10	5
41	20Q61A0449		5	4		10	5
42	20Q61A0450	4			3	4	5
43	20Q61A0451		3	4		10	5
44	20Q61A0452		5	5		8	5
45	20Q61A0454		3	3		6	5
46	20Q61A0455		3	2		7	5
47	20Q61A0456		2	5		10	5
48	21Q65A0401		2	5		7	5
49	21Q65A0402		5	5		7	5
50	21Q65A0403		5	5		10	5
51	21Q65A0404		3	4		10	5
52	21Q65A0405		5	5		10	5
53	21Q65A0406		5	5		9	5
54	21Q65A0407		3	3		7	5
55	21Q65A0408		5	5		7	5
56	21Q65A0409		4	5		10	5
57	21Q65A0410		3	2		5	5
58	21Q65A0411		5	5		10	5
59	21Q65A0412		5	3		7	5
60	21Q65A0413		3	5		9	5
61	21Q65A0414		2	3		10	5
62	21Q65A0415	4			4	7	5
63	21Q65A0416	4		2		7	5
64	21Q65A0417		5	5		9	5
65	21Q65A0418		5	5		7	5
66	21Q65A0419		5	2		10	5
67	21Q65A0420		5	5		6	5
68	21Q65A0422	5		5		9	5
69	21Q65A0423	4		5		10	5
70	21Q65A0424			5	5	8	5
71	21Q65A0425			3	3	4	5
72	21Q65A0427			5	5	10	5
No. of students attempted		18	64	53	9	72	72
Max Marks Question wise		5	5	5	5	10	5
Target 50%		2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%		16	53	42	8	72	72
% of Students>50%		88.89	82.82	79.25	88.89	100	100
Attainment Level		3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Department:		ELECTRONICS AND COMMUNICATION ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		ECE		Exam:		MID - II	
Course/Sub:		MICROPROCESSOR & MICRO CONTROLLERS		Year/Semester:		III-I	
		C03	C04	C04	C05		
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	20Q61A0401	4	4			10	5
2	20Q61A0402	5	4			9	5
3	20Q61A0403	4	1			7	5
4	20Q61A0404	1	2			7	5
5	20Q61A0405	4	5			3	5
6	20Q61A0406	1	2			8	5
7	20Q61A0407	5	1			4	5
8	20Q61A0408	4	5			6	5
9	20Q61A0410	1	2			7	5
10	20Q61A0412	4		4		9	5
11	20Q61A0414	3	2			4	5
12	20Q61A0415	4	5			8	5
13	20Q61A0416	3	3			10	5
14	20Q61A0418	5	4			10	5
15	20Q61A0419	2			4	3	5
16	20Q61A0420	4			5	6	5
17	20Q61A0421	4			4	9	5
18	20Q61A0422	5			1	4	5
19	20Q61A0423	1		3		7	5
20	20Q61A0424	2		3		4	5
21	20Q61A0425	3		3		6	5
22	20Q61A0428	5		4		9	5
23	20Q61A0429	5		3		8	5
24	20Q61A0431	5		5		9	5
25	20Q61A0432	5		4		10	5
26	20Q61A0433	3		1		7	5
27	20Q61A0434	4		2		4	5
28	20Q61A0435	5		4		8	5
29	20Q61A0436		3	1		7	5
30	20Q61A0437		4			9	5
31	20Q61A0438		4		1	7	5
32	20Q61A0439	5	5			6	5
33	20Q61A0440			5	4	10	5
34	20Q61A0442			4	3	4	5


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35	20Q61A0443			4	5	10	5	
36	20Q61A0444			5	5	8	5	
37	20Q61A0445		5		5	10	5	
38	20Q61A0446		5		4	10	5	
39	20Q61A0447		4		4	10	5	
40	20Q61A0448		5		5	10	5	
41	20Q61A0449		5		5	9	5	
42	20Q61A0450		2		1	8	5	
43	20Q61A0451		5		3	9	5	
44	20Q61A0452		4		5	9	5	
45	20Q61A0454		3		1	8	5	
46	20Q61A0455		4		2	6	5	
47	20Q61A0456		3		5	9	5	
48	21Q65A0401		3		5	6	5	
49	21Q65A0402		4		4	9	5	
50	21Q65A0403		5		5	10	5	
51	21Q65A0404		4		4	9	5	
52	21Q65A0405		5		5	10	5	
53	21Q65A0406		5		4	10	5	
54	21Q65A0407		1		4	8	5	
55	21Q65A0408		3		5	9	3	
56	21Q65A0409	5	5			9	5	
57	21Q65A0410			3	3	4	5	
58	21Q65A0411		5		5	10	5	
59	21Q65A0412		5		4	6	5	
60	21Q65A0413	5	5			7	5	
61	21Q65A0414			3	4	8	5	
62	21Q65A0415			2	3	10	5	
63	21Q65A0416		3	2		8	5	
64	21Q65A0417	4		5		10	5	
65	21Q65A0418			4	4	9	5	
66	21Q65A0419			3	5	9	5	
67	21Q65A0420		5	3		8	5	
68	21Q65A0422				4	5	10	3
69	21Q65A0423				5	5	9	5
70	21Q65A0424	4				4	10	5
71	21Q65A0425			3		2	7	5
72	21Q65A0427			5		5	10	5
No. of students attempted		33	44	26	41	72	72	
Max Marks Question wise		5	5	5	5	10	5	
Target 50%		2.5	2.5	2.5	2.5	5	2.5	
No. of Students above 50%		27	36	21	35	72	72	
% of Students>50%		81.82	81.82	80.77	85.37	100	100	
Attainment Level		3	3	3	3	3	3	

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Department:	ELECTRONICS AND COMMUNICATION ENGINEERING		
Course Outcome Attainment External Examination			
Branch & Section:	ECE - 2022-2023	Exam:	EXTERNAL
Course:	MICROPROCESSOR & MICRO CONTROLLERS	Year/Semister:	III-I

S.NO.	HALLTICKET NO	TOTAL(Max. Score Marks)
1	21Q61A6701	36
2	21Q61A6702	17
3	21Q61A6703	26
4	21Q61A6705	10
5	21Q61A6706	10
6	21Q61A6707	14
7	21Q61A6708	11
8	21Q61A6709	9
9	21Q61A6710	13
10	21Q61A6711	13
11	21Q61A6712	15
12	21Q61A6713	11
13	21Q61A6714	-1
14	21Q61A6715	10
15	21Q61A6716	35
16	21Q61A6717	11
17	21Q61A6718	11
18	21Q61A6719	14
19	21Q61A6720	2
20	21Q61A6721	2
21	21Q61A6722	28
22	21Q61A6723	26
23	21Q61A6724	9
24	21Q61A6725	40
25	21Q61A6726	27
26	21Q61A6727	11
27	21Q61A6728	16
28	21Q61A6729	19
29	21Q61A6730	17
30	21Q61A6731	37
31	21Q61A6732	17
32	21Q61A6733	9
33	21Q61A6734	35
34	21Q61A6735	-1
35	21Q61A6736	37
36	21Q61A6737	26
37	21Q61A6738	26
38	21Q61A6739	31
39	21Q61A6740	14


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40	21Q61A6741	28
41	21Q61A6742	34
42	21Q61A6743	19
43	21Q61A6744	6
44	21Q61A6745	16
45	21Q61A6746	19
46	21Q61A6747	26
47	21Q61A6749	14
48	21Q61A6750	34
49	21Q61A6751	29
50	21Q61A6752	38
51	21Q61A6753	29
52	21Q61A6754	32
53	21Q61A6756	30
54	21Q61A6758	15
55	21Q61A6759	26
56	21Q61A6760	30
57	21Q61A6761	13
58	21Q61A6762	29
59	21Q61A6763	34
60	22Q65A6701	9
61	22Q65A6702	7
62	22Q65A6703	15
63	22Q65A6704	26
64	21Q65A0417	26
65	21Q65A0418	26
66	21Q65A0419	42
67	21Q65A0420	30
68	21Q65A0422	37
69	21Q65A0423	26
70	21Q65A0424	35
71	21Q65A0425	17
72	21Q65A0427	35

No. of students who attempted the subject	67
Max. Marks	75
No. of students secured > 26 marks	43
Percentage of students secured > 26 marks	64.2
Overall External Attainment level	2

Attainment table	
50-60%	1
60-70%	2
70-80%	3



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Overall Course Outcome Attainment

Branch & Section:	ECE	Exam:	
Course:	MICROPROCESSOR & MICRO CONTROLLERS	Semester:	III-I

Course Outcomes	1st Internal Exam	2nd Internal Exam	Internal Exam(Avg.)	University Exam	Overall Attainment
Course outcome - 1	3	-	3	2	2.25
Course outcome - 2	3	-	3	2	2.25
Course outcome - 3	3	3	3	2	2.25
Course outcome - 4	-	3	3	2	2.25
Course outcome - 5	-	3	3	2	2.25
Average			3	2	2.25

OVERALL ATTAINMENT OF THE SUBJECT = $0.25*INT + 0.75*EXT$


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COURSE OUTCOMES

CO1	Understands the internal architecture, organization and assembly language programming of 8086 processors.
CO2	Understands the internal architecture, organization and assembly language programming of 8051/controllers
CO3	Understands the interfacing techniques to 8086 and 8051 based systems.
CO4	Understands the internal architecture of ARM processors and basic concepts of advanced ARM processors.

CO-PO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2	3	2	2	2							2	2	
CO2	2	3	2	2	2							2	2	
CO3	2	3	2	2	3							2	2	
CO4	2	3	2	2	3							2	2	
CO avg(M)	2	3	2	2	2.3							2	2	


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Department:		ELECTRONICS AND COMMUNICATION ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		ECE		Exam:		MID - I (2022-2023)	
Course/Sub:		ANTENNAS & PROPAGATION		Year/Semister:		III-II	
		CO1	CO2	CO2	CO3		
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	20Q61A0401	5	5			10	5
2	20Q61A0402	5	5			9	5
3	20Q61A0403	4	3			6	5
4	20Q61A0404	2	3			4	5
5	20Q61A0405	4	4			8	5
6	20Q61A0406	3	3			9	5
7	20Q61A0407	3	5			8	5
8	20Q61A0408	2	4			9	5
9	20Q61A0409	4	3			7	5
10	20Q61A0410	2	5			9	5
11	20Q61A0412			4	3	9	5
12	20Q61A0414			4	4	9	5
13	20Q61A0415		3	3		9	5
14	20Q61A0416		5	5		9	5
15	20Q61A0418		5	3		7	5
16	20Q61A0419		4		5	10	5
17	20Q61A0420		5	2		8	5
18	20Q61A0421		3	3		5	5
19	20Q61A0422		2	4		9	5
20	20Q61A0423		4	4		7	5
21	20Q61A0424		4	2		9	5
22	20Q61A0425		5	4		8	5
23	20Q61A0428		5	4		10	5
24	20Q61A0429		5	4		8	5
25	20Q61A0431		5	5		10	5
26	20Q61A0432		4	4		10	5
27	20Q61A0433		1	3		5	5
28	20Q61A0434		2	5		7	5
29	20Q61A0435		4	4		9	5
30	20Q61A0436		3	2		4	5
31	20Q61A0437		4	5		10	5
32	20Q61A0438		2	3		5	5
33	20Q61A0439		2	5		9	5
34	20Q61A0440		5	4		10	5
35	20Q61A0442		2	3		4	5
36	20Q61A0443	4	5			10	5
37	20Q61A0444		3		5	10	5


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38	20Q61A0445	5	4			10	5
39	20Q61A0446	5		4		10	5
40	20Q61A0447		4		5	9	5
41	20Q61A0448		3	5		10	5
42	20Q61A0449	4			5	10	5
43	20Q61A0450		5	4		7	5
44	20Q61A0451		3	5		9	5
45	20Q61A0452		3	4		10	5
46	20Q61A0454		2	3		7	5
47	20Q61A0455		5	5		9	5
48	20Q61A0456		5	4		9	5
49	21Q65A0401		5	3		9	5
50	21Q65A0402		5	4		10	5
51	21Q65A0403		5	5		10	5
52	21Q65A0404		4	5		10	5
53	21Q65A0405		5	5		9	5
54	21Q65A0406		4	5		9	5
55	21Q65A0407		5	3		6	5
56	21Q65A0408		4	5		10	5
57	21Q65A0409		5	5		10	5
58	21Q65A0410		2	3		7	5
59	21Q65A0411		4	5		10	5
60	21Q65A0412		4	5		10	5
61	21Q65A0413		5	5		9	5
62	21Q65A0414	2			3	5	5
63	21Q65A0415	4		4		7	5
64	21Q65A0416		5	3		9	5
65	21Q65A0417		5	4		9	5
66	21Q65A0418		5	4		7	5
67	21Q65A0419		5	4		10	5
68	21Q65A0420	5		4		10	5
69	21Q65A0422	4	5			10	5
70	21Q65A0423			5	5	9	5
71	21Q65A0424		4		5	10	5
72	21Q65A0425		5	4		7	5
73	21Q65A0427			4	4	9	5
No. of students attempted		18	64	54	10	73	73
Max Marks Question wise		5	5	5	5	10	5
Target 50%		2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%		14	56	51	10	73	73
% of Students>50%		77.78	87.5	94.45	100	100	100
Attainment Level		3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Department:		ELECTRONICS AND COMMUNICATION ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		ECE		Exam:		MID - II	
Course/Sub:		ANTENNAS & PROPAGATION		Year/Semester:		III-II	
		CO1	CO2	CO2	CO3		
Sl.No	Roll Number	Question No				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	20Q61A0401	5	5			10	5
2	20Q61A0402	5	5			9	5
3	20Q61A0403	4	3			6	5
4	20Q61A0404	2	3			4	5
5	20Q61A0405	4	3			9	5
6	20Q61A0406	5	2			8	5
7	20Q61A0407	5	2			9	5
8	20Q61A0408	3	4			8	5
9	20Q61A0409	4	4			6	5
10	20Q61A0410	5		3		8	5
11	20Q61A0412	5	3			9	5
12	20Q61A0414	4	4			9	5
13	20Q61A0415	4	3			8	5
14	20Q61A0416	5	4			10	5
15	20Q61A0418	5			1	9	5
16	20Q61A0419	5			5	9	5
17	20Q61A0420	3			5	7	5
18	20Q61A0421	2			3	6	5
19	20Q61A0422	4		3		8	5
20	20Q61A0423	1		5		9	5
21	20Q61A0424	4		3		8	5
22	20Q61A0425	2		5		10	5
23	20Q61A0428	5		5		9	5
24	20Q61A0429	5		3		9	5
25	20Q61A0431	5		5		10	5
26	20Q61A0432	4		5		9	5
27	20Q61A0433	4		1		4	5
28	20Q61A0434	5		3		6	5
29	20Q61A0435		5	3		9	5
30	20Q61A0436		1		4	4	5
31	20Q61A0437		5		5	9	5
32	20Q61A0438	3	3			5	5
33	20Q61A0439			5		8	5
34	20Q61A0440			5	5	9	5
35	20Q61A0442			2	2	5	5
36	20Q61A0443			5	5	9	5
37	20Q61A0444		5		4	9	5

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38	20Q61A0445		5		4	10	5
39	20Q61A0446		5		5	9	5
40	20Q61A0447		3		5	10	5
41	20Q61A0448		5		5	8	5
42	20Q61A0449		5		5	9	5
43	20Q61A0450		2		3	7	5
44	20Q61A0451		4		4	9	5
45	20Q61A0452		4		5	10	5
46	20Q61A0454		3		2	7	5
47	20Q61A0455		5		4	10	5
48	20Q61A0456		4		4	10	5
49	21Q65A0401		5		3	9	5
50	21Q65A0402		5		4	10	5
51	21Q65A0403		5		5	10	5
52	21Q65A0404		5		4	10	5
53	21Q65A0405		5		5	9	5
54	21Q65A0406		4		4	10	5
55	21Q65A0407		3		4	7	5
56	21Q65A0408	5	5			9	5
57	21Q65A0409			5	5	10	5
58	21Q65A0410		2		3	7	5
59	21Q65A0411		5		4	10	5
60	21Q65A0412	4	5			10	5
61	21Q65A0413			5	5	9	5
62	21Q65A0414			2	3	5	5
63	21Q65A0415		5	3		7	5
64	21Q65A0416	4		4		9	5
65	21Q65A0417			4	4	10	5
66	21Q65A0418			3	5	8	5
67	21Q65A0419		5	4		10	5
68	21Q65A0420			5	5	9	5
69	21Q65A0422			4	5	10	5
70	21Q65A0423	5			5	9	5
71	21Q65A0424		5		4	10	5
72	21Q65A0425		3		5	8	5
73	21Q65A0427					9	5
No. of students attempted		33	44	26	41	73	73
Max Marks Question wise		5	5	5	5	10	5
Target 50%		2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%		29	39	23	38	73	73
% of Students > 50%		87.88	88.64	88.47	92.69	100	100
Attainment Level		3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Department:	ELECTRONICS AND COMMUNICATION ENGINEERING		
Course Outcome Attainment External Examination			
Branch & Section:	ECE - 2022-2023	Exam:	EXTERNAL
Course:	ANTENNAS & PROPAGATION	Year/Semister:	III-II

S.NO.	HALLTICKET NO	TOTAL(Max. Score Marks)
1	20Q61A0401	49
2	20Q61A0402	26
3	20Q61A0403	7
4	20Q61A0404	2
5	20Q61A0405	26
6	20Q61A0406	26
7	20Q61A0407	26
8	20Q61A0408	26
9	20Q61A0409	1
10	20Q61A0410	34
11	20Q61A0412	10
12	20Q61A0414	28
13	20Q61A0415	10
14	20Q61A0416	26
15	20Q61A0418	10
16	20Q61A0419	34
17	20Q61A0420	5
18	20Q61A0421	4
19	20Q61A0422	9
20	20Q61A0423	1
21	20Q61A0424	13
22	20Q61A0425	16
23	20Q61A0428	36
24	20Q61A0429	29
25	20Q61A0431	42
26	20Q61A0432	31
27	20Q61A0433	0
28	20Q61A0434	8
29	20Q61A0435	27
30	20Q61A0436	1
31	20Q61A0437	27
32	20Q61A0438	0
33	20Q61A0439	28
34	20Q61A0440	31
35	20Q61A0442	4
36	20Q61A0443	27
37	20Q61A0444	29
38	20Q61A0445	28
39	20Q61A0446	32
40	20Q61A0447	28


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41	20Q61A0448	30
42	20Q61A0449	28
43	20Q61A0450	16
44	20Q61A0451	11
45	20Q61A0452	26
46	20Q61A0454	14
47	20Q61A0455	30
48	20Q61A0456	26
49	21Q65A0401	31
50	21Q65A0402	18
51	21Q65A0403	36
52	21Q65A0404	29
53	21Q65A0405	34
54	21Q65A0406	30
55	21Q65A0407	21
56	21Q65A0408	34
57	21Q65A0409	55
58	21Q65A0410	38
59	21Q65A0411	46
60	21Q65A0412	28
61	21Q65A0413	26
62	21Q65A0414	34
63	21Q65A0415	21
64	21Q65A0416	30
65	21Q65A0417	27
66	21Q65A0418	26
67	21Q65A0419	43
68	21Q65A0420	29
69	21Q65A0422	28
70	21Q65A0423	27
71	21Q65A0424	38
72	21Q65A0425	26
73	21Q65A0427	28

No. of students who attempted the subject	73
Max. Marks	75
No. of students secured > 26 marks	50
Percentage of students secured > 26 marks	68.5
Overall External Attainment level	2

Attainment table	
50-60%	1
60-70%	2
70-80%	3



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Overall Course Outcome Attainment

Branch & Section:	ECE	Exam:	
Course:	ANTENNAS & PROPAGATION	Semester:	III-II

Course Outcomes	1st Internal Exam	2nd Internal Exam	Internal Exam(Avg.)	University Exam	Overall Attainment
Course outcome - 1	3	-	3	2	2.25
Course outcome - 2	3	-	3	2	2.25
Course outcome - 3	3	3	3	2	2.25
Course outcome - 4	-	3	3	2	2.25
Course outcome - 5	-	3	3	2	2.25
Average			3	2	2.25

OVERALL ATTAINMENT OF THE SUBJECT = 0.25*INT + 0.75*EXT


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COURSE OUTCOMES

CO1	Explain the mechanism of radiation, definitions of different antenna characteristic parameters and establish their mathematical relations.
CO2	Characterize the antennas based on frequency, configure the geometry and establish the radiation patterns of VHF, UHF and Microwave antennas and also antenna arrays.
CO3	Specify the requirements for microwave measurements and arrange a setup to carry out the antenna far zone pattern and gain measurements in the laboratory

CO-PO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	3		2						2		3	1	1
CO2	3	3		2						2		3	2	1
CO3	3	3		2						2		3	2	1
CO avg(M)	3	3		2						2		3	1.6	1

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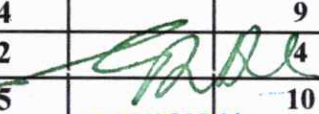
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Department:		ELECTRONICS AND COMMUNICATION ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Name of the Faculty:		ECE		Academic Year:		2022-23	
Branch & Section:		DIGITAL SIGNAL PROCESSING		Exam:		MID - I	
Course/Sub:		Year/Semester:		III-II			
Sl.No	Roii Number	Question No.				Objective	Assignment
		1	2	3	4		
Maximum Marks		5	5	5	5	10	5
1	20Q61A0401	5	5			10	5
2	20Q61A0402	5	5			9	5
3	20Q61A0403	4	3			6	5
4	20Q61A0404	2	3			4	5
5	20Q61A0405	4	4			8	5
6	20Q61A0406	3	3			9	5
7	20Q61A0407	3	5			8	5
8	20Q61A0408	2	4			9	5
9	20Q61A0409	4	3			7	5
10	20Q61A0410	2	5			9	5
11	20Q61A0412			4	3	9	5
12	20Q61A0414			4	4	9	5
13	20Q61A0415		3	3		9	5
14	20Q61A0416		5	5		9	5
15	20Q61A0418		5	3		7	5
16	20Q61A0419		4		5	10	5
17	20Q61A0420		5	2		8	5
18	20Q61A0421		3	3		5	5
19	20Q61A0422		2	4		9	5
20	20Q61A0423		4	4		7	5
21	20Q61A0424		4	2		9	5
22	20Q61A0425		5	4		8	5
23	20Q61A0428		5	4		10	5
24	20Q61A0429		5	4		8	5
25	20Q61A0431		5	5		10	5
26	20Q61A0432		4	4		10	5
27	20Q61A0433		1	3		5	5
28	20Q61A0434		2	5		7	5
29	20Q61A0435		4	4		9	5
30	20Q61A0436		3	2		4	5
31	20Q61A0437		4	5		10	5
32	20Q61A0438		2	3		5	5
33	20Q61A0439		2	5		9	5
34	20Q61A0440		5	4		10	5
35	20Q61A0442		2	3		4	5


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36	20Q61A0443	4	5			10	5
37	20Q61A0444		3		5	10	5
38	20Q61A0445	5	4			10	5
39	20Q61A0446	5		4		10	5
40	20Q61A0447		4		5	9	5
41	20Q61A0448		3	5		10	5
42	20Q61A0449	4			5	10	5
43	20Q61A0450		5	4		7	5
44	20Q61A0451		3	5		9	5
45	20Q61A0452		3	4		10	5
46	20Q61A0454		2	3		7	5
47	20Q61A0455		5	5		9	5
48	20Q61A0456		5	4		9	5
49	21Q65A0401		5	3		9	5
50	21Q65A0402		5	4		10	5
51	21Q65A0403		5	5		10	5
52	21Q65A0404		4	5		10	5
53	21Q65A0405		5	5		9	5
54	21Q65A0406		4	5		9	5
55	21Q65A0407		5	3		6	5
56	21Q65A0408		4	5		10	5
57	21Q65A0409		5	5		10	5
58	21Q65A0410		2	3		7	5
59	21Q65A0411		4	5		10	5
60	21Q65A0412		4	5		10	5
61	21Q65A0413		5	5		9	5
62	21Q65A0414	2			3	5	5
63	21Q65A0415	4		4		7	5
64	21Q65A0416		5	3		9	5
65	21Q65A0417		5	4		9	5
66	21Q65A0418		5	4		7	5
67	21Q65A0419		5	4		10	5
68	21Q65A0420	5		4		10	5
69	21Q65A0422	4	5			10	5
70	21Q65A0423			5	5	9	5
71	21Q65A0424		4		5	10	5
72	21Q65A0425		5	4		7	5
73	21Q65A0427			4	4	9	5
No. of students attempted		18	64	54	10	73	73
Max Marks Question wise		5	5	5	5	10	5
Target 50%		2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%		14	56	51	10	73	73
% of Students > 50%		77.78	87.5	94.45	100	100	100
Attainment Level		3	3	3	3	3	3


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Attainment table	
50-60%	1
60-70%	2
70-80%	3



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Department:		ELECTRONICS AND COMMUNICATION ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		ECE		Exam:		MID - II	
Course/Sub:		DIGITAL SIGNAL PROCESSING		Year/Semester:		III-II	
Sl.No	Roll Number	Q1	Q2	Q3	Q4	Objective	Assignment
Maximum Marks		5	5	5	5	10	5
1	20Q61A0401	5	5			10	5
2	20Q61A0402	5	5			9	5
3	20Q61A0403	4	3			5	5
4	20Q61A0404	2	3			5	5
5	20Q61A0405	4	3			7	5
6	20Q61A0406	5	2			7	5
7	20Q61A0407	5	2			9	5
8	20Q61A0408	3	4			7	5
9	20Q61A0409	4	1			6	5
10	20Q61A0410	3		5		7	5
11	20Q61A0412	5	4			9	5
12	20Q61A0414	4	4			9	5
13	20Q61A0415	4	3			9	5
14	20Q61A0416	5	4			10	5
15	20Q61A0418	5			1	9	5
16	20Q61A0419	5			5	9	5
17	20Q61A0420	3	2			7	5
18	20Q61A0421	2			5	5	5
19	20Q61A0422	4		3		5	5
20	20Q61A0423	1		3		5	5
21	20Q61A0424	4		3		5	5
22	20Q61A0425	3		5		10	5
23	20Q61A0428	2		5		9	5
24	20Q61A0429	4		3		9	5
25	20Q61A0431	5		5		10	5
26	20Q61A0432	5		5		10	5
27	20Q61A0433	0	0	0	0	0	5
28	20Q61A0434	3		3		6	5
29	20Q61A0435		5	3		8	5
30	20Q61A0436		1	4		5	5
31	20Q61A0437		5	5		8	5
32	20Q61A0438	2	3			6	5
33	20Q61A0439			3	3	9	5
34	20Q61A0440			5	5	9	5

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35	20Q61A0442			3	2	5	5
36	20Q61A0443			5	5	10	5
37	20Q61A0444		5		4	10	5
38	20Q61A0445		5		5	10	5
39	20Q61A0446		5		5	9	5
40	20Q61A0447		3		5	10	5
41	20Q61A0448		5		5	10	5
42	20Q61A0449		5		5	9	5
43	20Q61A0450		2		3	6	5
44	20Q61A0451		4		5	9	5
45	20Q61A0452		4		5	8	5
46	20Q61A0454		3		2	7	5
47	20Q61A0455		5		4	8	5
48	20Q61A0456		4		4	10	5
49	21Q65A0401		5		3	9	5
50	21Q65A0402		5		4	10	5
51	21Q65A0403		5		5	10	5
52	21Q65A0404		5		4	10	5
53	21Q65A0405		5		5	9	5
54	21Q65A0406		4		4	9	5
55	21Q65A0407		3		4	7	5
56	21Q65A0408	3	5			10	5
57	21Q65A0409			5	5	10	5
58	21Q65A0410		3		3	7	5
59	21Q65A0411		5		5	10	5
60	21Q65A0412	4	5			10	5
61	21Q65A0413			5	5	9	5
62	21Q65A0414			3	3	7	5
63	21Q65A0415		2	3		6	5
64	21Q65A0416	3		4		7	5
65	21Q65A0417			5	6	10	5
66	21Q65A0418			3	5	9	5
67	21Q65A0419		5	4		9	5
68	21Q65A0420			5	5	8	5
69	21Q65A0422			4	5	10	5
70	21Q65A0423	4			5	9	5
71	21Q65A0424		5		4	10	5
72	21Q65A0425		3		2	8	5
73	21Q65A0427	5			5	9	5
No. of students attempted		34	46	26	42	73	73
Max Marks Question wise		5	5	5	5	10	5
Target 50%		2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%		28	38	25	37	72	73
% of Students > 50%		82.36	82.61	96.16	88.1	98.64	100
Attainment Level		3	3	3	3	3	3

Attainment table		Attainment table	
50-60%	1	50-60%	1
60-70%	2	60-70%	2
70-80%	3	70-80%	3

Q1- CO1

Q2, Q3 - CO2

Q4 - CO3


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Department:		ELECTRONICS AND COMMUNICATION ENGINEERING		
Course Outcome Attainment External Examination				
Branch & Section:	ECE - 2022-2023		Exam:	EXTERNAL
Course:	DIGITAL SIGNAL PROCESSING		Year/Semister:	III-II
S.NO.	HALLTICKET NO	TOTAL(Max. Score Marks)		
1	20Q61A0401	44		
2	20Q61A0402	29		
3	20Q61A0403	29		
4	20Q61A0404	29		
5	20Q61A0405	32		
6	20Q61A0406	36		
7	20Q61A0407	32		
8	20Q61A0408	32		
9	20Q61A0409	36		
10	20Q61A0410	29		
11	20Q61A0412	36		
12	20Q61A0414	29		
13	20Q61A0415	36		
14	20Q61A0416	32		
15	20Q61A0418	36		
16	20Q61A0419	30		
17	20Q61A0420	32		
18	20Q61A0421	32		
19	20Q61A0422	33		
20	20Q61A0423	32		
21	20Q61A0424	10		
22	20Q61A0425	15		
23	20Q61A0428	26		
24	20Q61A0429	16		
25	20Q61A0431	36		
26	20Q61A0432	26		
27	20Q61A0433	0		
28	20Q61A0434	5		
29	20Q61A0435	9		
30	20Q61A0436	0		
31	20Q61A0437	26		
32	20Q61A0438	0		
33	20Q61A0439	14		
34	20Q61A0440	26		
35	20Q61A0442	4		
36	20Q61A0443	26		
37	20Q61A0444	26		
38	20Q61A0445	29		
39	20Q61A0446	29		
40	20Q61A0447	17		

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41	20Q61A0448	29
42	20Q61A0449	26
43	20Q61A0450	0
44	20Q61A0451	12
45	20Q61A0452	26
46	20Q61A0454	0
47	20Q61A0455	26
48	20Q61A0456	13
49	21Q65A0401	29
50	21Q65A0402	26
51	21Q65A0403	30
52	21Q65A0404	32
53	21Q65A0405	32
54	21Q65A0406	26
55	21Q65A0407	32
56	21Q65A0408	29
57	21Q65A0409	36
58	21Q65A0410	29
59	21Q65A0411	26
60	21Q65A0412	26
61	21Q65A0413	8
62	21Q65A0414	29
63	21Q65A0415	4
64	21Q65A0416	13
65	21Q65A0417	14
66	21Q65A0418	13
67	21Q65A0419	26
68	21Q65A0420	26
69	21Q65A0422	14
70	21Q65A0423	7
71	21Q65A0424	38
72	21Q65A0425	9
73	21Q65A0427	29

No. of students who attempted the subject	72
Max. Marks	75
No. of students secured > 26 marks	45
Percentage of students secured > 26 marks	62.5
Overall External Attainment level	2

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Overall Course Outcome Attainment

Name of the Faculty:		Academic Year:	2022-23
Branch & Section:	ECE	Exam:	
Course:	DIGITAL SIGNAL PROCESSING	Semester:	III-II

Course Outcomes	1st Internal Exam	2nd Internal Exam	Internal Exam(Avg.)	University Exam	Overall Attainment
Course outcome - 1	3	-	3	2	2.25
Course outcome - 2	3	-	3	2	2.25
Course outcome - 3	3	3	3	2	2.25
Course outcome - 4	-	3	3	2	2.25
Course outcome - 5	-	3	3	2	2.25
Average			3	2	2.25

OVERALL ATTAINMENT OF THE SUBJECT = $0.25*INT + 0.75*EXT$

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COURSE OUTCOMES

CO1	Understand the LTI system characteristics and MultiMate signal processing													
CO2	Understand the inter-relationship between DFT and various transforms.													
CO3	Design a digital filter for a given specification.													
CO4	Understand the significance of various filter structures and effects of round off errors.													
CO-PO Mapping														
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	2	2	3	2			2	2	3		2	1	2
CO2	2	3	3	2	3			2	2	2		2	2	1
CO3	3	2	2	3	3			3	3	2		3	2	2
CO4	3	2	3	2	2			2	2	3		2	2	1
CO avg(M)	2.75	2.25	2.5	2.5	2.5			2.25	2.25	2.5		2.25	1.75	1.5

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Department:		ELECTRONICS AND COMMUNICATION ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		ECE		Exam:		MID - I (2022-23)	
Course/Sub:		EMBEDDED SYSTEM DESIGN		Year/Semester:		III-II	
SL.No	Roll Number	CO1	CO2	CO2	CO3	Objective	Assignment
Maximum Marks		Question No.					
		Q1	Q2	Q3	Q4	10	5
1	20Q61A0401	5	5			9	5
2	20Q61A0402	5	5			8	5
3	20Q61A0403	4	3			5	5
4	20Q61A0404	1	1			3	5
5	20Q61A0405	4	5			6	7
6	20Q61A0406	3	3			8	5
7	20Q61A0407	3	4			8	5
8	20Q61A0408	2	4			8	5
9	20Q61A0409	4	2			5	5
10	20Q61A0410	2	4			9	5
11	20Q61A0412			4	4	8	5
12	20Q61A0414			4	5	9	5
13	20Q61A0415		3	4		8	5
14	20Q61A0416		5	5		9	5
15	20Q61A0418		5	3		6	5
16	20Q61A0419		5		5	10	5
17	20Q61A0420		5	2		7	5
18	20Q61A0421		2	3		5	5
19	20Q61A0422		3	4		5	5
20	20Q61A0423		1	2		2	5
21	20Q61A0424		4	5		6	5
22	20Q61A0425		5	4		8	5
23	20Q61A0428		5	4		10	5
24	20Q61A0429		5	3		9	5
25	20Q61A0431		5	5		10	5
26	20Q61A0432		5	5		10	5
27	20Q61A0433		1	1		3	5
28	20Q61A0434		2	3		6	5
29	20Q61A0435		4	3		9	5
30	20Q61A0436		0	0		0	5
31	20Q61A0437		4	5		10	5
32	20Q61A0438		2	3		6	5
33	20Q61A0439		4	4		8	5
34	20Q61A0440		5	4		10	5
35	20Q61A0442		2	1		2	5
36	20Q61A0443	5	5			10	5
37	20Q61A0444		4		5	8	5
38	20Q61A0445	5	5			10	5

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39	20Q61A0446	5		4		10	5
40	20Q61A0447		4		5	8	5
41	20Q61A0448		5	5		10	5
42	20Q61A0449	4			5	10	5
43	20Q61A0450		2	4		5	5
44	20Q61A0451		3	5		10	5
45	20Q61A0452		5	4		10	5
46	20Q61A0454		2	3		5	5
47	20Q61A0455		5	5		9	5
48	20Q61A0456		5	4		10	5
49	21Q65A0401		5	5		9	5
50	21Q65A0402		5	4		10	5
51	21Q65A0403		5	5		10	5
52	21Q65A0404		5	5		10	5
53	21Q65A0405		5	5		9	5
54	21Q65A0406		5	5		10	5
55	21Q65A0407		3	3		9	5
56	21Q65A0408		5	5		9	5
57	21Q65A0409		5	5		10	5
58	21Q65A0410		3	3		7	5
59	21Q65A0411		5	5		10	5
60	21Q65A0412		4	5		10	5
61	21Q65A0413		5	5		9	5
62	21Q65A0414	4			3	7	5
63	21Q65A0415	3		4		7	5
64	21Q65A0416		5	5		8	5
65	21Q65A0417		5	5		10	5
66	21Q65A0418		5	4		10	5
67	21Q65A0419		5	5		9	5
68	21Q65A0420	5		4		10	5
69	21Q65A0422	5	5			10	5
70	21Q65A0423			5	5	9	5
71	21Q65A0424		5		5	9	5
72	21Q65A0425		2	3		7	5
73	21Q65A0427			5	5	10	5
No. of students attempted		18	64	54	10	73	73
Max Marks Question wise		5	5	5	5	10	5
Target 50%		2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%		15	52	49	10	70	73
% of Students > 50%		83.34	81.25	90.75	100	95.9	100
Attainment Level		3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Department:		ELECTRONICS AND COMMUNICATION ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		ECE		Exam:		MID - II	
Course/Sub:		EMBEDDED SYSTEM DESIGN		Year/Semester:		III-II	
Sl.No	Roll Number	CO3	CO4	CO4	CO5	Objective	Assignment
Maximum Marks		Q1	Q2	Q3	Q4	10	5
		Question No.					
1	20Q61A0401	5	4			10	5
2	20Q61A0402	5	4			9	5
3	20Q61A0403	4	3			5	5
4	20Q61A0404	2	1			2	5
5	20Q61A0405	4	3			8	5
6	20Q61A0406	5	2			7	5
7	20Q61A0407	5	1			9	5
8	20Q61A0408	3	4			7	5
9	20Q61A0409	4	1			6	5
10	20Q61A0410	3		5		7	5
11	20Q61A0412	5	2			9	5
12	20Q61A0414	5	5			8	5
13	20Q61A0415	4	2			9	5
14	20Q61A0416	5	4			10	5
15	20Q61A0418	5			2	7	5
16	20Q61A0419	5			5	10	5
17	20Q61A0420	3	5			6	5
18	20Q61A0421	2			3	5	5
19	20Q61A0422	4		3		6	5
20	20Q61A0423	1		1		3	5
21	20Q61A0424	4		3		8	5
22	20Q61A0425	3		5		9	5
23	20Q61A0428	5		5		9	5
24	20Q61A0429	4		4		9	5
25	20Q61A0431	5		5		10	5
26	20Q61A0432	5		5		10	5
27	20Q61A0433	0	0	2	1	2	5
28	20Q61A0434	3		3		5	5
29	20Q61A0435		5	3		8	5
30	20Q61A0436		0		0	0	5
31	20Q61A0437		5		5	9	5
32	20Q61A0438	2	3			6	5
33	20Q61A0439				3	9	5
34	20Q61A0440				5	9	5
35	20Q61A0442				2	2	5
36	20Q61A0443			5	5	10	5
37	20Q61A0444		3		4	10	5
38	20Q61A0445		5		5	10	5


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39	20Q61A0446		5		5	9	5
40	20Q61A0447		3		5	9	5
41	20Q61A0448		5		5	10	5
42	20Q61A0449		5		5	9	5
43	20Q61A0450		2		3	6	5
44	20Q61A0451		4		5	9	5
45	20Q61A0452		4		5	10	5
46	20Q61A0454		3		2	5	5
47	20Q61A0455		5		4	10	5
48	20Q61A0456		5		4	10	5
49	21Q65A0401		5		5	9	5
50	21Q65A0402		5		4	10	5
51	21Q65A0403		5		5	10	5
52	21Q65A0404		5		5	10	5
53	21Q65A0405		5		5	9	5
54	21Q65A0406		5		5	10	5
55	21Q65A0407		3		4	8	5
56	21Q65A0408	4	5			10	5
57	21Q65A0409			5	5	10	5
58	21Q65A0410		3		3	7	5
59	21Q65A0411		5		5	10	5
60	21Q65A0412	4	5			10	5
61	21Q65A0413			5	5	9	5
62	21Q65A0414			3	3	8	5
63	21Q65A0415		5	3		6	5
64	21Q65A0416	5		4		9	5
65	21Q65A0417			5	5	10	5
66	21Q65A0418			5	5	9	5
67	21Q65A0419		5	5		9	5
68	21Q65A0420			5	5	9	5
69	21Q65A0422			5	5	10	5
70	21Q65A0423	4			5	10	5
71	21Q65A0424		5		5	9	5
72	21Q65A0425		3		2	7	5
73	21Q65A0427	5			5	10	5
No. of students attempted		34	46	26	42	73	73
Max Marks Question wise		5	5	5	5	10	5
Target 50%		2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%		29	37	23	36	69	73
% of Students>50%		85.3	80.44	88.47	85.72	94.53	100
Attainment Level		3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Department:		ELECTRONICS AND COMMUNICATION ENGINEERING		
Course Outcome Attainment External Examination				
Branch & Section:	ECE 2022-2023		Exam:	EXTERNAL
Course:	EMBEDDED SYSTEM DESIGN		Year/Semister:	III-II
S.NO.	HALLTICKET NO	TOTAL(Max. Score Marks)		
1	20Q61A0401	42		
2	20Q61A0402	50		
3	20Q61A0403	27		
4	20Q61A0404	5		
5	20Q61A0405	27		
6	20Q61A0406	28		
7	20Q61A0407	26		
8	20Q61A0408	17		
9	20Q61A0409	4		
10	20Q61A0410	36		
11	20Q61A0412	32		
12	20Q61A0414	47		
13	20Q61A0415	26		
14	20Q61A0416	26		
15	20Q61A0418	4		
16	20Q61A0419	37		
17	20Q61A0420	26		
18	20Q61A0421	8		
19	20Q61A0422	15		
20	20Q61A0423	5		
21	20Q61A0424	17		
22	20Q61A0425	32		
23	20Q61A0428	37		
24	20Q61A0429	30		
25	20Q61A0431	47		
26	20Q61A0432	43		
27	20Q61A0433	1		
28	20Q61A0434	15		
29	20Q61A0435	30		
30	20Q61A0436	0		
31	20Q61A0437	42		
32	20Q61A0438	1		
33	20Q61A0439	40		
34	20Q61A0440	36		
35	20Q61A0442	-1		
36	20Q61A0443	50		
37	20Q61A0444	42		
38	20Q61A0445	28		
39	20Q61A0446	47		
40	20Q61A0447	33		

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41	20Q61A0448	45
42	20Q61A0449	33
43	20Q61A0450	28
44	20Q61A0451	32
45	20Q61A0452	39
46	20Q61A0454	8
47	20Q61A0455	34
48	20Q61A0456	33
49	21Q65A0401	50
50	21Q65A0402	28
51	21Q65A0403	41
52	21Q65A0404	33
53	21Q65A0405	40
54	21Q65A0406	39
55	21Q65A0407	27
56	21Q65A0408	28
57	21Q65A0409	35
58	21Q65A0410	36
59	21Q65A0411	43
60	21Q65A0412	35
61	21Q65A0413	30
62	21Q65A0414	27
63	21Q65A0415	15
64	21Q65A0416	44
65	21Q65A0417	38
66	21Q65A0418	27
67	21Q65A0419	46
68	21Q65A0420	44
69	21Q65A0422	43
70	21Q65A0423	39
71	21Q65A0424	43
72	21Q65A0425	30
73	21Q65A0427	42

No. of students who attempted the subject	72
Max. Marks	75
No. of students secured > 26 marks	58
Percentage of students secured > 26 marks	80.6
Overall External Attainment level	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Overall Course Outcome Attainment			
Name of the Faculty:		Academic Year:	2022-23
Branch & Section:	ECE	Exam:	
Course:	EMBEDDED SYSTEM DESIGN	Semister:	III-II

Course Outcomes	1st Internal Exam	2nd Internal Exam	Internal Exam(Avg.)	University Exam	Overall Attainment
Course outcome - 1	3	-	3	3	3
Course outcome - 2	3	-	3	3	3
Course outcome - 3	3	3	3	3	3
Course outcome - 4	-	3	3	3	3
Course outcome - 5	-	3	3	3	3
Average			3	3	3

OVERALL ATTAINMENT OF THE SUBJECT = $0.25*INT + 0.75*EXT$

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COURSE OUTCOMES

CO1	To understand the selection procedure of Processors in the embedded domain													
CO2	Design Procedure for Embedded Firmware													
CO3	To visualize the role of Real time Operating Systems in Embedded Systems													
CO4	To evaluate the Correlation between task synchronization and latency issues													
CO-PO Mapping														
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2	3	2									2	2	
CO2	2	3	2	2								2	2	2
CO3	2	3	2	2								2	2	1
CO4	2	3	2									2	2	1
CO avg(M)	2	3		2								2	2	1.5

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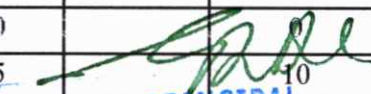
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Department:		ELECTRONICS AND COMMUNICATION ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		ECE		Exam:		MID - I (2022-23)	
Course/Sub:		FUNDAMENTALS OF MANAGEMENT ENGINEERS		Year/Semester:		III-II	
Sl.No	Roll Number	CO1	CO2	CO2	CO3	Objective	Assignment
Maximum Marks		Q1	Q2	Q3	Q4	10	5
1	20Q61A0401	5	5			10	5
2	20Q61A0402	5	5			10	5
3	20Q61A0403	4	3			8	5
4	20Q61A0404	0	0			0	5
5	20Q61A0405	4	5			6	7
6	20Q61A0406	4	4			8	5
7	20Q61A0407	5	5			8	5
8	20Q61A0408	5	4			8	5
9	20Q61A0409	5	2			10	5
10	20Q61A0410	5	5			10	5
11	20Q61A0412			5	5	10	5
12	20Q61A0414			4	4	8	5
13	20Q61A0415		4	4		8	5
14	20Q61A0416		4	5		9	5
15	20Q61A0418		5	4		10	5
16	20Q61A0419		5		4	10	5
17	20Q61A0420		5	2		8	5
18	20Q61A0421		5	3		8	5
19	20Q61A0422		3	4		10	5
20	20Q61A0423		3	2		2	5
21	20Q61A0424		3	5		8	5
22	20Q61A0425		5	4		8	5
23	20Q61A0428		5	4		9	5
24	20Q61A0429		5	3		9	5
25	20Q61A0431		5	5		10	5
26	20Q61A0432		4	5		10	5
27	20Q61A0433		2	1		3	5
28	20Q61A0434		5	3		7	5
29	20Q61A0435		4	5		9	5
30	20Q61A0436		0	0		0	5
31	20Q61A0437		4	4		10	5
32	20Q61A0438		0	0			5
33	20Q61A0439		4	5		10	5
34	20Q61A0440		5	4		10	5
35	20Q61A0442		2	2		5	5
36	20Q61A0443	3	5				5
37	20Q61A0444		5		5	10	5


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38	20Q61A0445	5	5			9	5
39	20Q61A0446	5		5		10	5
40	20Q61A0447		4		5	10	5
41	20Q61A0448		5	5		9	5
42	20Q61A0449	4			5	8	5
43	20Q61A0450		2	5		9	5
44	20Q61A0451		5	5		10	5
45	20Q61A0452		5	4		8	5
46	20Q61A0454		5	4		9	5
47	20Q61A0455		5	4		9	5
48	20Q61A0456		5	4		10	5
49	21Q65A0401		5	5		9	5
50	21Q65A0402		5	4		8	5
51	21Q65A0403		5	5		9	5
52	21Q65A0404		5	5		7	5
53	21Q65A0405		5	5		9	5
54	21Q65A0406		5	3		8	5
55	21Q65A0407		4	5		9	5
56	21Q65A0408		2	3		9	5
57	21Q65A0409		5	4		9	5
58	21Q65A0410		3	3		7	5
59	21Q65A0411		5	4		10	5
60	21Q65A0412		4	4		10	5
61	21Q65A0413		5	2		9	5
62	21Q65A0414	4			4	9	5
63	21Q65A0415	5		4		8	5
64	21Q65A0416		5	5		9	5
65	21Q65A0417		5	5		9	5
66	21Q65A0418		5	4		8	5
67	21Q65A0419		4	5		9	5
68	21Q65A0420	5		3		10	5
69	21Q65A0422	5	4			9	5
70	21Q65A0423			5	5	9	5
71	21Q65A0424		5		5	9	5
72	21Q65A0425		4	5		9	5
73	21Q65A0427			5	4	10	5
No. of students attempted		18	64	54	10	73	73
Max Marks Question wise		5	5	5	5	10	5
Target 50%		2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%		17	56	47	10	69	73
% of Students > 50%		94.45	87.5	87.04	100	94.53	100
Attainment Level		3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Department:		ELECTRONICS AND COMMUNICATION ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		ECE		Exam:		MID - II	
Course/Sub:		FUNDAMENTALS OF MANAGEMENT ENGINEERS		Year/Semester:		III-II	
SLNo	Roll Number	CO3	CO4	CO4	CO5	Objective	Assignment
Maximum Marks		Q1	Q2	Q3	Q4	10	5
		Question No.					
1	20Q61A0401	5	5			10	5
2	20Q61A0402	5	5			10	5
3	20Q61A0403	4	3			8	5
4	20Q61A0404	0	0			0	5
5	20Q61A0405	4	3			8	5
6	20Q61A0406	5	4			9	5
7	20Q61A0407	5	4			9	5
8	20Q61A0408	5	4			8	5
9	20Q61A0409	4	4			9	5
10	20Q61A0410	5		5		10	5
11	20Q61A0412	5	5			10	5
12	20Q61A0414	5	2			9	5
13	20Q61A0415	4	2			9	5
14	20Q61A0416	5	3			10	5
15	20Q61A0418	5			4	10	5
16	20Q61A0419	5			5	9	5
17	20Q61A0420	4	5			6	5
18	20Q61A0421	4			3	9	5
19	20Q61A0422	4		4		9	5
20	20Q61A0423	2		2		3	5
21	20Q61A0424	4		3		9	5
22	20Q61A0425	3		5		9	5
23	20Q61A0428	3		5		10	5
24	20Q61A0429	4		4		9	5
25	20Q61A0431	5		5		10	5
26	20Q61A0432	5		5		9	5
27	20Q61A0433	0	0	2	1	3	5
28	20Q61A0434	3		3		9	5
29	20Q61A0435		5	4		8	5
30	20Q61A0436		0		0	0	5
31	20Q61A0437		4		5	9	5
32	20Q61A0438	0	0			0	5
33	20Q61A0439			5		9	5
34	20Q61A0440			5		9	5
35	20Q61A0442			1		4	5
36	20Q61A0443			5	2	10	5
37	20Q61A0444		5		5	10	5

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38	20Q61A0445		5		4	10	5
39	20Q61A0446		5		5	10	5
40	20Q61A0447		5		5	9	5
41	20Q61A0448		4		5	10	5
42	20Q61A0449		3		5	9	5
43	20Q61A0450		5		3	8	5
44	20Q61A0451		5		5	10	5
45	20Q61A0452		4		5	8	5
46	20Q61A0454		4		4	10	5
47	20Q61A0455		5		3	10	5
48	20Q61A0456		5		4	10	5
49	21Q65A0401		5		5	9	5
50	21Q65A0402		5		4	8	5
51	21Q65A0403		5		5	9	5
52	21Q65A0404		5		3	9	5
53	21Q65A0405		5		5	9	5
54	21Q65A0406		5		4	7	5
55	21Q65A0407		5		5	8	5
56	21Q65A0408	4	3			7	5
57	21Q65A0409			3	5	10	5
58	21Q65A0410		3		3	7	5
59	21Q65A0411		5		4	10	5
60	21Q65A0412	4	5			9	5
61	21Q65A0413			5	3	8	5
62	21Q65A0414			4	5	8	5
63	21Q65A0415		5	3		9	5
64	21Q65A0416	5		4		10	5
65	21Q65A0417			5	5	9	5
66	21Q65A0418			3	5	9	5
67	21Q65A0419		5	5		8	5
68	21Q65A0420			4	5	9	5
69	21Q65A0422			4	5	10	5
70	21Q65A0423	4			5	10	5
71	21Q65A0424		5		5	9	5
72	21Q65A0425		3		5	10	5
73	21Q65A0427	5			5	9	5
No. of students attempted		34	46	26	42	73	73
Max Marks Question wise		5	5	5	5	10	5
Target 50%		2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%		30	40	23	39	70	73
% of Students>50%		88.24	86.96	88.47	92.86	95.9	100
Attainment Level		3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Department:	ELECTRONICS AND COMMUNICATION ENGINEERING			
Course Outcome Attainment External Examination				
Branch & Section:	ECE 2022-2023		Exam:	EXTERNAL
Course:	FUNDAMENTALS OF MANAGEMENT ENGINEERS		Year/Semister:	III-II
S.NO.	HALLTICKET NO	TOTAL(Max. Score Marks)		
1	20Q61A0401	40		
2	20Q61A0402	27		
3	20Q61A0403	17		
4	20Q61A0404	1		
5	20Q61A0405	19		
6	20Q61A0406	16		
7	20Q61A0407	14		
8	20Q61A0408	10		
9	20Q61A0409	-1		
10	20Q61A0410	26		
11	20Q61A0412	11		
12	20Q61A0414	32		
13	20Q61A0415	26		
14	20Q61A0416	8		
15	20Q61A0418	26		
16	20Q61A0419	36		
17	20Q61A0420	15		
18	20Q61A0421	10		
19	20Q61A0422	17		
20	20Q61A0423	-1		
21	20Q61A0424	26		
22	20Q61A0425	20		
23	20Q61A0428	31		
24	20Q61A0429	29		
25	20Q61A0431	38		
26	20Q61A0432	31		
27	20Q61A0433	10		
28	20Q61A0434	19		
29	20Q61A0435	34		
30	20Q61A0436	0		
31	20Q61A0437	37		
32	20Q61A0438	29		
33	20Q61A0439	30		
34	20Q61A0440	42		
35	20Q61A0442	-1		
36	20Q61A0443	36		
37	20Q61A0444	36		
38	20Q61A0445	30		
39	20Q61A0446	31		

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40	20Q61A0447	32
41	20Q61A0448	39
42	20Q61A0449	31
43	20Q61A0450	19
44	20Q61A0451	28
45	20Q61A0452	30
46	20Q61A0454	17
47	20Q61A0455	31
48	20Q61A0456	26
49	21Q65A0401	35
50	21Q65A0402	26
51	21Q65A0403	37
52	21Q65A0404	28
53	21Q65A0405	31
54	21Q65A0406	34
55	21Q65A0407	18
56	21Q65A0408	26
57	21Q65A0409	32
58	21Q65A0410	29
59	21Q65A0411	36
60	21Q65A0412	20
61	21Q65A0413	32
62	21Q65A0414	26
63	21Q65A0415	12
64	21Q65A0416	26
65	21Q65A0417	33
66	21Q65A0418	28
67	21Q65A0419	46
68	21Q65A0420	33
69	21Q65A0422	36
70	21Q65A0423	28
71	21Q65A0424	35
72	21Q65A0425	26
73	21Q65A0427	37

No. of students who attempted the subject	70
Max. Marks	75
No. of students secured > 26 marks	51
Percentage of students secured > 26 marks	72.9
Overall External Attainment level	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Overall Course Outcome Attainment

Name of the Faculty:		Academic Year:	2022-23
Branch & Section:	ECE	Exam:	
Course:	FUNDAMENTALS OF MANAGEMENT ENGINEERS	Semester:	III-II

Course Outcomes	1st Internal Exam	2nd Internal Exam	Internal Exam(Avg.)	University Exam	Overall Attainment
Course outcome - 1	3	-	3	3	3
Course outcome - 2	3	-	3	3	3
Course outcome - 3	3	3	3	3	3
Course outcome - 4	-	3	3	3	3
Course outcome - 5	-	3	3	3	3
Average			3	3	3

OVERALL ATTAINMENT OF THE SUBJECT = 0.25*INT + 0.75*EXT


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COURSE OUTCOMES

CO1	Understand the circumstances that lead to management evolution and how it will affect future managers
CO2	Analyze and evaluate the influence of historical forces on the current practice of management
CO3	Explain how organizations adapt to an uncertain environment and identify techniques managers use to influence and control the internal environment.
CO4	Develop the process of management's four functions: planning, organizing, leading, and controlling.

CO-PO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	3	2	2	2							3	3	
CO2	3	3	2	2	2							3	3	
CO3	3	3	2	2	2							3	3	
CO4	3	3	2	2	2							3	3	
CO avg(M)	3	3	2	2	2							3	3	

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Department:		ELECTRONICS AND COMMUNICATION ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		ECE		Exam:		MID - I (2022-23)	
Course/Sub:		VLSI DESIGN		Year/Semester:		III-II	
Sl.No	Roll Number	CO1	CO2	CO2	CO3	Objective	Assignment
		Question No.					
Maximum Marks		Q1	Q2	Q3	Q4	10	5
1	20Q61A0401	5	5			10	5
2	20Q61A0402	5	4			10	5
3	20Q61A0403	4	5			8	5
4	20Q61A0404	3	2			4	5
5	20Q61A0405	4	4			10	7
6	20Q61A0406	4	4			8	5
7	20Q61A0407	5	1			8	5
8	20Q61A0408	5	4			7	5
9	20Q61A0409	5	2			10	5
10	20Q61A0410	5	3			9	5
11	20Q61A0412			5	4	9	5
12	20Q61A0414			4	4	10	5
13	20Q61A0415		4	4		7	5
14	20Q61A0416		4	5		9	5
15	20Q61A0418		5	4		7	5
16	20Q61A0419		5		4	10	5
17	20Q61A0420		5	2		8	5
18	20Q61A0421		5	3		7	5
19	20Q61A0422		3	4		10	5
20	20Q61A0423		3	2		6	5
21	20Q61A0424		3	5		8	5
22	20Q61A0425		5	4		10	5
23	20Q61A0428		5	5		9	5
24	20Q61A0429		5	5		9	5
25	20Q61A0431		5	5		10	5
26	20Q61A0432		4	5		10	5
27	20Q61A0433		2	2		5	5
28	20Q61A0434		5	3		7	5
29	20Q61A0435		4	4		10	5
30	20Q61A0436		3	2		5	5
31	20Q61A0437		5	4		10	5
32	20Q61A0438		2	3		6	5
33	20Q61A0439		4	4		10	5
34	20Q61A0440		5	4		5	5
35	20Q61A0442		2	2		5	5
36	20Q61A0443	4	5			10	5
37	20Q61A0444		5		5	9	5
38	20Q61A0445	5	5			10	5
39	20Q61A0446	5		5		9	5


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40	20Q61A0447		4		5	9	5
41	20Q61A0448		5	5		10	5
42	20Q61A0449	4			5	10	5
43	20Q61A0450		2	5		7	5
44	20Q61A0451		5	5		9	5
45	20Q61A0452		5	4		10	5
46	20Q61A0454		2	4		8	5
47	20Q61A0455		5	5		9	5
48	20Q61A0456		5	4		10	5
49	21Q65A0401		5	5		9	5
50	21Q65A0402		5	4		10	5
51	21Q65A0403		5	5		10	5
52	21Q65A0404		5	5		9	5
53	21Q65A0405		5	5		9	5
54	21Q65A0406		5	4		10	5
55	21Q65A0407		4	4		9	5
56	21Q65A0408		5	5		9	5
57	21Q65A0409		5	5		10	5
58	21Q65A0410		4	4		6	5
59	21Q65A0411		5	5		10	5
60	21Q65A0412		4	5		10	5
61	21Q65A0413		5	5		9	5
62	21Q65A0414	4			4	10	5
63	21Q65A0415	5		4		10	5
64	21Q65A0416		5	3		9	5
65	21Q65A0417		5	5		10	5
66	21Q65A0418		5	5		10	5
67	21Q65A0419		4	5		9	5
68	21Q65A0420	5			4	10	5
69	21Q65A0422	5	5			9	5
70	21Q65A0423			5	5	9	5
71	21Q65A0424		5		5	9	5
72	21Q65A0425		4	4		9	5
73	21Q65A0427			5	4	10	5
No. of students attempted		18	64	54	10	73	73
Max Marks Question wise		5	5	5	5	10	5
Target 50%		2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%		18	56	49	10	73	73
% of Students>50%		100	87.5	90.75	100	100	100
Attainment Level		3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Department:		ELECTRONICS AND COMMUNICATION ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		ECE		Exam:		MID - II	
Course/Sub:		VLSI DESIGN		Year/Semester:		III-II	
Sl.No	Roll Number	CO3	CO4	CO4	CO5	Objective	Assignment
		Question No.					
Maximum Marks		Q1	Q2	Q3	Q4	10	5
1	20Q61A0401	5	5			10	5
2	20Q61A0402	5	5			9	5
3	20Q61A0403	4	5			8	5
4	20Q61A0404	2	2			5	5
5	20Q61A0405	4	5			9	5
6	20Q61A0406	5	2			9	5
7	20Q61A0407	5	2			7	5
8	20Q61A0408	5	3			8	5
9	20Q61A0409	4	4			9	5
10	20Q61A0410	5		4		8	5
11	20Q61A0412	5	3			10	5
12	20Q61A0414	5	4			9	5
13	20Q61A0415	4	2			9	5
14	20Q61A0416	5	3			10	5
15	20Q61A0418	5			3	8	5
16	20Q61A0419	5			5	9	5
17	20Q61A0420	4	5			6	5
18	20Q61A0421	4			2	9	5
19	20Q61A0422	4		4		9	5
20	20Q61A0423	2		2		5	5
21	20Q61A0424	4		3		9	5
22	20Q61A0425	5		5		9	5
23	20Q61A0428	4		5		10	5
24	20Q61A0429	5		5		9	5
25	20Q61A0431	5		5		10	5
26	20Q61A0432	5		5		9	5
27	20Q61A0433	0	0	2	3	4	5
28	20Q61A0434	3		3		9	5
29	20Q61A0435		5	4		9	5
30	20Q61A0436		3		2	4	5
31	20Q61A0437		4		5	10	5
32	20Q61A0438	2	3			6	5
33	20Q61A0439			4		9	5
34	20Q61A0440			5		9	5
35	20Q61A0442					4	5
36	20Q61A0443					10	5
37	20Q61A0444		5			10	5
38	20Q61A0445		5			10	5
39	20Q61A0446		5		4	10	5

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40	20Q61A0447		5		3	10	5
41	20Q61A0448		5		5	10	5
42	20Q61A0449		5		5	9	5
43	20Q61A0450		3		3	8	5
44	20Q61A0451		5		5	9	5
45	20Q61A0452		4		5	10	5
46	20Q61A0454		3		4	6	5
47	20Q61A0455		5		4	10	5
48	20Q61A0456		5		4	10	5
49	21Q65A0401		5		5	9	5
50	21Q65A0402		5		4	10	5
51	21Q65A0403		5		5	10	5
52	21Q65A0404		5		5	9	5
53	21Q65A0405		5		5	9	5
54	21Q65A0406		5		4	10	5
55	21Q65A0407		5		5	7	5
56	21Q65A0408	5	5			9	5
57	21Q65A0409			5	5	10	5
58	21Q65A0410		3		4	7	5
59	21Q65A0411		5		4	10	5
60	21Q65A0412	5	5			9	5
61	21Q65A0413			5	5	9	5
62	21Q65A0414			4	5	9	5
63	21Q65A0415		5	5		9	5
64	21Q65A0416	5		4		8	5
65	21Q65A0417			5	5	10	5
66	21Q65A0418			5	5	10	5
67	21Q65A0419		5	5		8	5
68	21Q65A0420			4	5	10	5
69	21Q65A0422			4	5	10	5
70	21Q65A0423	4			5	10	5
71	21Q65A0424		5		5	9	5
72	21Q65A0425		2		5	10	5
73	21Q65A0427	5			5	9	5
No. of students attempted		34	46	26	42	73	73
Max Marks Question wise		5	5	5	5	10	5
Target 50%		2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%		30	40	23	40	73	73
% of Students>50%		88.24	86.96	88.47	95.24	100	100
Attainment Level		3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3



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Department:		ELECTRONICS AND COMMUNICATION ENGINEERING		
Course Outcome Attainment External Examination				
Branch & Section:	ECE - 2022-2023		Exam:	EXTERNAL
Course:	VLSI DESIGN		Year/Semister:	III-II
S.NO.	HALLTICKET NO	TOTAL(Max. Score Marks)		
1	20Q61A0401	37		
2	20Q61A0402	36		
3	20Q61A0403	32		
4	20Q61A0404	36		
5	20Q61A0405	33		
6	20Q61A0406	32		
7	20Q61A0407	36		
8	20Q61A0408	36		
9	20Q61A0409	29		
10	20Q61A0410	29		
11	20Q61A0412	29		
12	20Q61A0414	29		
13	20Q61A0415	33		
14	20Q61A0416	32		
15	20Q61A0418	32		
16	20Q61A0419	37		
17	20Q61A0420	33		
18	20Q61A0421	33		
19	20Q61A0422	32		
20	20Q61A0423	36		
21	20Q61A0424	34		
22	20Q61A0425	39		
23	20Q61A0428	29		
24	20Q61A0429	29		
25	20Q61A0431	33		
26	20Q61A0432	29		
27	20Q61A0433	29		
28	20Q61A0434	29		
29	20Q61A0435	29		
30	20Q61A0436	29		
31	20Q61A0437	13		
32	20Q61A0438	2		
33	20Q61A0439	13		
34	20Q61A0440	30		
35	20Q61A0442	29		
36	20Q61A0443	29		
37	20Q61A0444	34		
38	20Q61A0445	27		
39	20Q61A0446	40		
40	20Q61A0447	26		

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41	20Q61A0448	33
42	20Q61A0449	16
43	20Q61A0450	10
44	20Q61A0451	14
45	20Q61A0452	28
46	20Q61A0454	0
47	20Q61A0455	31
48	20Q61A0456	12
49	21Q65A0401	46
50	21Q65A0402	29
51	21Q65A0403	27
52	21Q65A0404	26
53	21Q65A0405	43
54	21Q65A0406	28
55	21Q65A0407	13
56	21Q65A0408	31
57	21Q65A0409	36
58	21Q65A0410	26
59	21Q65A0411	35
60	21Q65A0412	26
61	21Q65A0413	15
62	21Q65A0414	0
63	21Q65A0415	3
64	21Q65A0416	15
65	21Q65A0417	26
66	21Q65A0418	26
67	21Q65A0419	31
68	21Q65A0420	27
69	21Q65A0422	13
70	21Q65A0423	8
71	21Q65A0424	30
72	21Q65A0425	14
73	21Q65A0427	37

No. of students who attempted the subject	72
Max. Marks	75
No. of students secured > 26 marks	50
Percentage of students secured > 26 marks	69.4
Overall External Attainment level	2

Attainment table	
50-60%	1
60-70%	2
70-80%	3



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Overall Course Outcome Attainment

Branch & Section:	ECE	Exam:	
Course:	VLSI DESIGN	Semester:	III-II

Course Outcomes	1st Internal Exam	2nd Internal Exam	Internal Exam(Avg.)	University Exam	Overall Attainment
Course outcome - 1	3	-	3	2	2.25
Course outcome - 2	3	-	3	2	2.25
Course outcome - 3	3	3	3	2	2.25
Course outcome - 4	-	3	3	2	2.25
Course outcome - 5	-	3	3	2	2.25
Average			3	2	2.25

OVERALL ATTAINMENT OF THE SUBJECT = $0.25*INT + 0.75*EXT$


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COURSE OUTCOMES

CO1	Acquire qualitative knowledge about the fabrication process of integrated circuits using MOS transistors.													
CO2	Draw the layout of any logic circuit which helps to understand and estimate parasitic effect of any logic circuit													
CO3	Design building blocks of data path systems, memories and simple logic circuits using PLA, PAL, FPGA and CPLD.													
CO4	Understand different types of faults that can occur in a system and learn the concept of testing and adding extra hardware to improve testability of system.													
CO-PO Mapping														
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2	3	1	2	2					3		3	3	2
CO2	2	3	2	2	2					3		3	3	2
CO3	2	3	2	3	3					3		3	3	2
CO4	2	3	2	3	3					3		3	3	2
CO avg(M)	2	3	2.25	2.5	2.5					3		3	3	2


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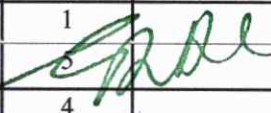
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Department:		ELECTRONICS AND COMMUNICATION ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		ECE		Exam:		2022-23	
Course/Sub:		DIGITAL IMAGE PROCESSING		Year/Semester:		MID - I	
		CO1	CO2	CO2	CO3		
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	17Q61A0454	0	0			0	5
2	18Q61A0415	5	2			8	5
3	18Q61A0448	4	3			7	5
4	18Q61A0450	3	3			4	5
5	18Q61A0463	4	4			6	5
6	19Q61A0401	5	5			9	5
7	19Q61A0402	5	2			8	5
8	19Q61A0403	5	3			8	5
9	19Q61A0404	5	5			8	5
10	19Q61A0405	5	3			8	5
11	19Q61A0406			5	4	9	5
12	19Q61A0408			4	4	7	5
13	19Q61A0409		4	4		7	5
14	19Q61A0410		4	3		7	5
15	19Q61A0411		5	3		9	5
16	19Q61A0412			3	4	8	5
17	19Q61A0413		5	2		7	5
18	19Q61A0414		5	4		7	5
19	19Q61A0417		3	4		8	5
20	19Q61A0419		5	5		8	5
21	19Q61A0420		3	4		10	5
22	19Q61A0421		5	5		9	5
23	19Q61A0423		2	3		5	5
24	19Q61A0425		5	3		4	5
25	19Q61A0426		5	5		9	5
26	19Q61A0427		5	5		8	5
27	19Q61A0428		5	4		9	5
28	19Q61A0429		5	2		7	5
29	19Q61A0431		4	1		8	5
30	19Q61A0432		4	5		9	5
31	19Q61A0433		3	4		7	5
32	19Q61A0434		5	5		8	5
33	19Q61A0435		4	2		9	5
34	19Q61A0436		1	4		7	5
35	19Q61A0437		5	5		8	5
36	19Q61A0438	4	1			8	5


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37	19Q61A0439		0		0	0	5	
38	19Q61A0440	5	5			9	5	
39	19Q61A0441	5		2		8	5	
40	19Q61A0442		5		5	5	5	
41	19Q61A0443		2	5		10	5	
42	19Q61A0444	5			5	7	5	
43	19Q61A0445		5	5		6	5	
44	19Q61A0446		5	5		9	5	
45	19Q61A0447		5	5		10	5	
46	19Q61A0448		5	5		9	5	
47	19Q61A0449		5	3		5	5	
48	19Q61A0450		5	5		6	5	
49	19Q61A0452		5	5		9	5	
50	19Q61A0453		5	2		10	5	
51	19Q61A0454		3	2		9	5	
52	19Q61A0455		2	3		5	5	
53	19Q61A0457		5	4		6	5	
54	19Q61A0458		4	4		8	5	
55	19Q61A0459		5	4		7	5	
56	19Q61A0460		5	3		5	5	
57	19Q61A0461		5	3		8	5	
58	19Q61A0463		5	5		8	5	
59	19Q61A0464		5	4		9	5	
60	19Q61A0465		5	5		7	5	
61	19Q61A0466		3	5		8	5	
62	19Q61A0468	5			4	10	5	
63	19Q61A0469	5		5		8	5	
64	19Q61A0470		5	3		8	5	
65	19Q61A0472		5	2		10	5	
66	19Q61A0473		5	5		10	5	
67	19Q61A0474		5	5		7	5	
68	19Q61A0475	5			5	9	5	
69	19Q61A0477	5		4		10	5	
70	19Q61A0478				4	5	10	5
71	19Q61A0479		3			5	9	5
72	19Q61A0480		5	5			8	5
73	19Q61A0481				5	5	5	5
74	20Q65A0401	1				4	7	5
75	20Q65A0404	2		3			8	5
76	20Q65A0405		5	5			9	5
77	20Q65A0406			4	4		9	5
78	20Q65A0407			4	5		9	5
79	20Q65A0408		2	3			10	5
80	20Q65A0409		5	6			7	5
81	20Q65A0410			5	4		8	5
82	20Q65A0411			5	5		8	5
83	20Q65A0412		5	4			6	5
84	20Q65A0413		5	4			10	5
85	20Q65A0414		3	5			9	5
86	20Q65A0415		0	0			0	5
87	20Q65A0416		4	5			10	5
88	20Q65A0418	5				5	9	5
89	20Q65A0419	4	4				10	5
90	20Q65A0420		5	5			7	5


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91	20Q65A0421			4	5	9	5
92	20Q65A0422			4	4	10	5
93	20Q65A0423		4	5		9	5
94	20Q65A0424		4	4		9	5
95	20Q65A0425		4		5	8	5
96	20Q65A0426		2	4		10	5
97	20Q65A0427			4	4	10	5
98	20Q65A0428	3			4	7	5
99	20Q65A0429	5	5			5	5
100	20Q65A0430		5	4		6	5
101	20Q65A0431		5	5		8	5
102	20Q65A0432		4	4		10	5
103	20Q65A0433			5	5	6	5
No. of students attempted		24	82	78	22	103	103
Max Marks Question wise		5	5	5	5	10	5
Target 50%		2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%		21	70	69	21	100	103
% of Students > 50%		87.5	85.37	88.47	95.46	97.09	100
Attainment Level		3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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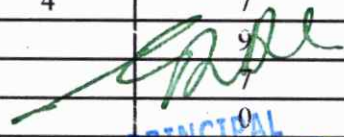
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Department:		ELECTRONICS AND COMMUNICATION ENGINEERING					
Course Outcome Attainment - Internal Assessments							
				Academic Year:		2022-23	
Branch & Section:		ECE		Exam:		MID - II	
Course/Sub:		DIGITAL IMAGE PROCESSING		Year/Semester:		IV-I	
		CO3	CO4	CO4	CO5		
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	17Q61A0454	0	0			0	5
2	18Q61A0415	5	4			6	5
3	18Q61A0448	4	4			6	5
4	18Q61A0450	2	3			5	5
5	18Q61A0463	4	1			9	5
6	19Q61A0401	5	4			10	5
7	19Q61A0402	5	4			6	5
8	19Q61A0403	5	5			6	5
9	19Q61A0404	4	5			9	5
10	19Q61A0405	2		4		10	5
11	19Q61A0406	5	3			10	5
12	19Q61A0408	5	1			9	5
13	19Q61A0409	4	5			6	5
14	19Q61A0410	5	1			8	5
15	19Q61A0411	5			5	7	5
16	19Q61A0412	5			4	6	5
17	19Q61A0413	4	2			8	5
18	19Q61A0414	5			5	6	5
19	19Q61A0417	4		5		6	5
20	19Q61A0419	4		5		9	5
21	19Q61A0420	4		4		9	5
22	19Q61A0421	5		4		10	5
23	19Q61A0423	4		2		4	5
24	19Q61A0425	5		2		5	5
25	19Q61A0426	5		4		10	5
26	19Q61A0427	5		4		9	5
27	19Q61A0428	0	5	5		8	5
28	19Q61A0429	5		5		4	5
29	19Q61A0431		2			7	5
30	19Q61A0432		5		4	10	5
31	19Q61A0433		5		5	4	5
32	19Q61A0434	5	4			9	5
33	19Q61A0435				4	10	5
34	19Q61A0436			5	3	4	5
35	19Q61A0437			5	4	9	5
36	19Q61A0438			3	4	6	5

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37	19Q61A0439		0		0	0	5
38	19Q61A0440		5		4	10	5
39	19Q61A0441		5		4	6	5
40	19Q61A0442		5		2	8	5
41	19Q61A0443		5		3	9	5
42	19Q61A0444		5		5	7	5
43	19Q61A0445		3		5	8	5
44	19Q61A0446		5		4	10	5
45	19Q61A0447		5		5	10	5
46	19Q61A0448		4		5	10	5
47	19Q61A0449		5		4	4	5
48	19Q61A0450		4		4	8	5
49	19Q61A0452		5		4	10	5
50	19Q61A0453		4		4	9	5
51	19Q61A0454		5		3	6	5
52	19Q61A0455		1		4	5	5
53	19Q61A0457		2		5	8	5
54	19Q61A0458		3		4	9	5
55	19Q61A0459		3		5	8	5
56	19Q61A0460	5	1			7	5
57	19Q61A0461			5	5	6	5
58	19Q61A0463		5		4	9	5
59	19Q61A0464		5		5	8	5
60	19Q61A0465	5	4			8	5
61	19Q61A0466			5	5	6	5
62	19Q61A0468			5	5	9	5
63	19Q61A0469		5	4		9	5
64	19Q61A0470	5		4		7	5
65	19Q61A0472			3	5	9	5
66	19Q61A0473			5	5	10	5
67	19Q61A0474		5	3		9	5
68	19Q61A0475			4	5	10	5
69	19Q61A0477			5	5	9	5
70	19Q61A0478	5			5	9	5
71	19Q61A0479		2		5	10	5
72	19Q61A0480		4		5	9	5
73	19Q61A0481	2			5	8	5
74	20Q65A0401			4	4	9	5
75	20Q65A0404			4	5	4	5
76	20Q65A0405			4	5	10	5
77	20Q65A0406		5		5	7	5
78	20Q65A0407		4	4		10	5
79	20Q65A0408			3	7	8	5
80	20Q65A0409		4		5	8	5
81	20Q65A0410		3	4		10	5
82	20Q65A0411			5	4	9	5
83	20Q65A0412			4	4	7	5
84	20Q65A0413	5		5		9	5
85	20Q65A0414	5	5			7	5
86	20Q65A0415		0	0		0	5
87	20Q65A0416		5	5		9	5
88	20Q65A0418		5	5		9	5
89	20Q65A0419			5		9	5
90	20Q65A0420		4		4	9	5


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91	20Q65A0421	5	5			8	5
92	20Q65A0422	4	5			9	5
93	20Q65A0423		5	5		8	5
94	20Q65A0424			4	5	8	5
95	20Q65A0425			4	3	10	5
96	20Q65A0426		4	4		8	5
97	20Q65A0427			5	4	9	5
98	20Q65A0428		5	5		4	5
99	20Q65A0429		4	5		6	5
100	20Q65A0430			4	4	7	5
101	20Q65A0431		4	5		9	5
102	20Q65A0432	4	5			9	5
103	20Q65A0433	4	4			8	5
No. of students attempted		40	64	48	55	103	103
Max Marks Question wise		5	5	5	5	10	5
Target 50%		2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%		35	35	23	39	71	73
% of Students > 50%		87.5	54.69	47.92	70.91	68.94	70.88
Attainment Level		3	3	1	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3



PRINCIPAL
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www.aietg.ac.in email: principal.avanthi@gmail.com

Department:	ELECTRONICS AND COMMUNICATION ENGINEERING		
Course Outcome Attainment External Examination			
		Academic Year:	2022-23
Branch & Section:	ECE	Exam:	EXTERNAL
Course:	DIGITAL IMAGE PROCESSING	Year/Semester:	IV-I

S.NO.	HALLTICKET NO	TOTAL(Max. Score Marks)
1	17Q61A0454	12
2	18Q61A0415	33
3	18Q61A0448	26
4	18Q61A0450	-1
5	18Q61A0463	27
6	19Q61A0401	31
7	19Q61A0402	31
8	19Q61A0403	19
9	19Q61A0404	26
10	19Q61A0405	30
11	19Q61A0406	31
12	19Q61A0408	13
13	19Q61A0409	18
14	19Q61A0410	28
15	19Q61A0411	26
16	19Q61A0412	15
17	19Q61A0413	27
18	19Q61A0414	13
19	19Q61A0417	13
20	19Q61A0419	21
21	19Q61A0420	34
22	19Q61A0421	38
23	19Q61A0423	20
24	19Q61A0425	19
25	19Q61A0426	17
26	19Q61A0427	19
27	19Q61A0428	30
28	19Q61A0429	20
29	19Q61A0431	14
30	19Q61A0432	27
31	19Q61A0433	13
32	19Q61A0434	29
33	19Q61A0435	16
34	19Q61A0436	30
35	19Q61A0437	38
36	19Q61A0438	12
37	19Q61A0439	-1
38	19Q61A0440	29


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39	19Q61A0441	19
40	19Q61A0442	28
41	19Q61A0443	27
42	19Q61A0444	27
43	19Q61A0445	13
44	19Q61A0446	44
45	19Q61A0447	30
46	19Q61A0448	30
47	19Q61A0449	29
48	19Q61A0450	26
49	19Q61A0452	39
50	19Q61A0453	22
51	19Q61A0454	4
52	19Q61A0455	15
53	19Q61A0457	15
54	19Q61A0458	26
55	19Q61A0459	36
56	19Q61A0460	10
57	19Q61A0461	18
58	19Q61A0463	40
59	19Q61A0464	32
60	19Q61A0465	26
61	19Q61A0466	5
62	19Q61A0468	46
63	19Q61A0469	28
64	19Q61A0470	8
65	19Q61A0472	31
66	19Q61A0473	35
67	19Q61A0474	26
68	19Q61A0475	36
69	19Q61A0477	19
70	19Q61A0478	26
71	19Q61A0479	26
72	19Q61A0480	18
73	19Q61A0481	18
74	20Q65A0401	26
75	20Q65A0404	12
76	20Q65A0405	26
77	20Q65A0406	27
78	20Q65A0407	35
79	20Q65A0408	27
80	20Q65A0409	21
81	20Q65A0410	15
82	20Q65A0411	19
83	20Q65A0412	8
84	20Q65A0413	21
85	20Q65A0414	15
86	20Q65A0415	30
87	20Q65A0416	18
88	20Q65A0418	21
89	20Q65A0419	26
90	20Q65A0420	29
91	20Q65A0421	32


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92	20Q65A0422	29
93	20Q65A0423	26
94	20Q65A0424	27
95	20Q65A0425	32
96	20Q65A0426	11
97	20Q65A0427	32
98	20Q65A0428	29
99	20Q65A0429	32
100	20Q65A0430	12
101	20Q65A0431	32
102	20Q65A0432	13
103	20Q65A0433	14
No. of students who attempted the subject		67
Max. Marks		75
No. of students secured > 26 marks		44
Percentage of students secured > 26 marks		65.7
Overall External Attainment level		2

Attainment table	
50-60%	1
60-70%	2
70-80%	3



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Department:	ELECTRONICS AND COMMUNICATION ENGINEERING				
Course Outcomes	1st Internal Exam	2nd Internal Exam	Internal Exam(Avg.)	University Exam	Overall Attainment
Course outcome - 1	3	-	3	2	2.25
Course outcome - 2	3	-	3	2	2.25
Course outcome - 3	3	3	3	2	2.25
Course outcome - 4	-	3	3	2	2.25
Course outcome - 5	-	3	3	2	2.25
Average			3	2	2.25

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COURSE OUTCOMES

Course Outcomes														
CO1	Explore the fundamental relations between pixels and utility of 2-D transforms in image processor.													
CO2	Understand the enhancement, segmentation and restoration processes on an image.													
CO3	Implement the various Morphological operations on an image													
CO4	Understand the need of compression and evaluation of basic compression algorithms.													
CO-PO Mapping														
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2	2	2	2	2							2	2	2
CO2	2	2	2	2	2							2	2	2
CO3	2	2	2	2	3							2	2	2
CO4	2	2	2	2	2							2	2	2
CO avg(M)	2	2	2	2	2.3							2	2	2

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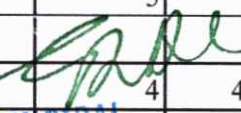
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www.aietg.ac.in email: principal.avanthi@gmail.com

Department:		ELECTRONICS AND COMMUNICATION ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		ECE		Academic Year:		2022-23	
Course/Sub:		MICROWAVE & OPTICAL COMMUNICATIONS		Exam:		MID - I	
				Year/Semester:		IV-1	
Sl.No	Roll Number	Question No.				Objective	Assignment
		1	2	3	4		
Maximum Marks		5	5	5	5	10	5
1	17Q61A0454	3	3			3	5
2	18Q61A0415	5	2			6	5
3	18Q61A0448	4	3			8	5
4	18Q61A0450	3	3			6	5
5	18Q61A0463	4	4			6	5
6	19Q61A0401	5	5			9	5
7	19Q61A0402	5	4			8	5
8	19Q61A0403	5	3			7	5
9	19Q61A0404	5	5			5	5
10	19Q61A0405	5	3			8	5
11	19Q61A0406			5	4	8	5
12	19Q61A0408			4	4	7	5
13	19Q61A0409		4	4		7	5
14	19Q61A0410		4	3		7	5
15	19Q61A0411		5	3		8	5
16	19Q61A0412			3	4	6	5
17	19Q61A0413		5	2		8	5
18	19Q61A0414		5	2		7	5
19	19Q61A0417		3	4		8	5
20	19Q61A0419		5	5		7	5
21	19Q61A0420		3	5		10	5
22	19Q61A0421		5	5		9	5
23	19Q61A0423		2	5		5	5
24	19Q61A0425		5	3		5	5
25	19Q61A0426		5	5		8	5
26	19Q61A0427		5	5		5	5
27	19Q61A0428		5	4		6	5
28	19Q61A0429		5	2		7	5
29	19Q61A0431		4	2		8	5
30	19Q61A0432		5	5		9	5
31	19Q61A0433		3	4		8	5

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32	19Q61A0434		5	5		6	5
33	19Q61A0435		4	2		7	5
34	19Q61A0436		3	4		7	5
35	19Q61A0437		5	5		9	5
36	19Q61A0438	4	3			8	5
37	19Q61A0439		3		3	3	5
38	19Q61A0440	5	5			9	5
39	19Q61A0441	5		3		8	5
40	19Q61A0442		5		5	5	5
41	19Q61A0443		2	3		10	5
42	19Q61A0444	5			5	6	5
43	19Q61A0445		5	5		5	5
44	19Q61A0446		5	5		8	5
45	19Q61A0447		5	5		9	5
46	19Q61A0448		5	5		8	5
47	19Q61A0449		5	2		7	5
48	19Q61A0450		5	5		6	5
49	19Q61A0452		5	4		10	5
50	19Q61A0453		5	2		8	5
51	19Q61A0454		3	4		7	5
52	19Q61A0455		2	3		5	5
53	19Q61A0457		5	4		6	5
54	19Q61A0458		4	3		7	5
55	19Q61A0459		5	4		6	5
56	19Q61A0460		5	3		6	5
57	19Q61A0461		5	3		7	5
58	19Q61A0463		5	5		9	5
59	19Q61A0464		5	4		6	5
60	19Q61A0465		5	2		8	5
61	19Q61A0466		3	4		7	5
62	19Q61A0468	5			4	10	5
63	19Q61A0469	5		5		8	5
64	19Q61A0470		5	3		8	5
65	19Q61A0472		5	2		8	5
66	19Q61A0473		5	5		10	5
67	19Q61A0474		5	5		5	5
68	19Q61A0475	5		5		9	5
69	19Q61A0477	5	5			10	5
70	19Q61A0478				4 4	10	5
71	19Q61A0479		5			9	5
72	19Q61A0480		5			7	5
73	19Q61A0481				5	5	5
74	20Q65A0401	3			4	10	5
75	20Q65A0404	4	3			8	5
76	20Q65A0405		5	5		7	5


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77	20Q65A0406			5	5	8	5
78	20Q65A0407			4	5	9	5
79	20Q65A0408		2	5		10	5
80	20Q65A0409		5	5		5	5
81	20Q65A0410			3	4	7	5
82	20Q65A0411			5	5	7	5
83	20Q65A0412		5	4		8	5
84	20Q65A0413		5	4		10	5
85	20Q65A0414		3	5		8	5
86	20Q65A0415		3	3		3	5
87	20Q65A0416		4	5		6	5
88	20Q65A0418	5			5	7	5
89	20Q65A0419	4	4			9	5
90	20Q65A0420		5	5		6	5
91	20Q65A0421			4	5	8	5
92	20Q65A0422			4	4	10	5
93	20Q65A0423		4	5		8	5
94	20Q65A0424		4	4		8	5
95	20Q65A0425		4		5	8	5
96	20Q65A0426		2	3		10	5
97	20Q65A0427			5	5	7	5
98	20Q65A0428	3			4	7	5
99	20Q65A0429	5	3			5	5
100	20Q65A0430		5	4		6	5
101	20Q65A0431		5	5		8	5
102	20Q65A0432		2	4		10	5
103	20Q65A0433			5	5	6	5
No. of students attempted		24	82	78	22	103	103
Max Marks Question wise		5	5	5	5	10	5
Target 50%		2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%		24	75	69	22	103	103
% of Students > 50%		100	91.47	88.47	100	100	100
Attainment Level		3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Department: ELECTRONICS AND COMMUNICATION ENGINEERING

Course Outcome Attainment - Internal Assessments

Branch & Section:		ECE		Academic Year:		2022-23	
Course/Sub:		MICROWAVE & OPTICAL COMMUNICATIONS		Exam:		MID - II	
Year/Semester:				Year/Semester:		IV-I	
Sl.No	Roll Number	Q1	Q2	Q3	Q4	Objective	Assignment
Maximum Marks		5	5	5	5	10	5
1	17Q61A0454	3	3			3	5
2	18Q61A0415	5	4			4	5
3	18Q61A0448	5	4			6	5
4	18Q61A0450	5	3			4	5
5	18Q61A0463	4	1			9	5
6	19Q61A0401	5	4			10	5
7	19Q61A0402	3	4			10	5
8	19Q61A0403	5	5			5	5
9	19Q61A0404	4	5			6	5
10	19Q61A0405	2		4		10	5
11	19Q61A0406	4	3			10	5
12	19Q61A0408	5	3			9	5
13	19Q61A0409	4	5			6	5
14	19Q61A0410	5	3			8	5
15	19Q61A0411	5			5	6	5
16	19Q61A0412	5			4	4	5
17	19Q61A0413	4	2			9	5
18	19Q61A0414	5			5	4	5
19	19Q61A0417	4		5		6	5
20	19Q61A0419	3		5		9	5
21	19Q61A0420	5		4		9	5
22	19Q61A0421	5		4		10	5
23	19Q61A0423	4		2		6	5
24	19Q61A0425	5		2		6	5
25	19Q61A0426	5		4		9	5
26	19Q61A0427	5		4		6	5
27	19Q61A0428		2	5		8	5
28	19Q61A0429	5		5		4	5
29	19Q61A0431		3	4		7	5
30	19Q61A0432		5			10	5
31	19Q61A0433		5			5	5
32	19Q61A0434	5	3			8	5
33	19Q61A0435			3	4	8	5
34	19Q61A0436			5	5	4	5
35	19Q61A0437			5	4	10	5

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36	19Q61A0438			5	4	6	5
37	19Q61A0439		3		3	3	5
38	19Q61A0440		5		4	10	5
39	19Q61A0441		5		4	7	5
40	19Q61A0442		5		2	8	5
41	19Q61A0443		5		3	7	5
42	19Q61A0444		3		5	8	5
43	19Q61A0445		2		5	8	5
44	19Q61A0446		5		4	9	5
45	19Q61A0447		4		5	10	5
46	19Q61A0448		4		5	9	5
47	19Q61A0449		4		4	6	5
48	19Q61A0450		4		4	8	5
49	19Q61A0452		5		5	9	5
50	19Q61A0453		4		4	6	5
51	19Q61A0454		5		3	6	5
52	19Q61A0455		1		4	5	5
53	19Q61A0457		2		5	8	5
54	19Q61A0458		5		5	4	5
55	19Q61A0459		3		5	7	5
56	19Q61A0460	5	4			5	5
57	19Q61A0461			4	5	6	5
58	19Q61A0463		5		4	10	5
59	19Q61A0464		5		3	7	5
60	19Q61A0465	5	4			6	5
61	19Q61A0466			3	5	6	5
62	19Q61A0468			5	5	9	5
63	19Q61A0469		5	4		9	5
64	19Q61A0470	5		4		7	5
65	19Q61A0472			4	5	9	5
66	19Q61A0473			5	5	10	5
67	19Q61A0474		5	3		7	5
68	19Q61A0475			4	5	10	5
69	19Q61A0477			5	5	9	5
70	19Q61A0478	5			4	9	5
71	19Q61A0479		4		5	10	5
72	19Q61A0480		3		5	9	5
73	19Q61A0481	2			5	8	5
74	20Q65A0401			4	4	9	5
75	20Q65A0404			4	5	6	5
76	20Q65A0405			4	4	9	5
77	20Q65A0406		5		4	9	5
78	20Q65A0407		4	4		10	5
79	20Q65A0408			3	4	9	5
80	20Q65A0409		4		5	6	5
81	20Q65A0410		4	4		6	5
82	20Q65A0411			5	4	8	5
83	20Q65A0412			4	3	10	5
84	20Q65A0413	5		5		9	5
85	20Q65A0414	5	5			6	5
86	20Q65A0415		5	5		6	5
87	20Q65A0416		5	3		7	5
88	20Q65A0418		5	4		8	5
89	20Q65A0419			5	4	8	5

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90	20Q65A0420		4		4	8	5
91	20Q65A0421	5	5			7	5
92	20Q65A0422	4	5			9	5
93	20Q65A0423		5	5		7	5
94	20Q65A0424			5	5	6	5
95	20Q65A0425			4	3	10	5
96	20Q65A0426		4	5		6	5
97	20Q65A0427			5	4	8	5
98	20Q65A0428		5	5		4	5
99	20Q65A0429		4	5		4	5
100	20Q65A0430			4	4	7	5
101	20Q65A0431		4	5		9	5
102	20Q65A0432	4	4			8	5
103	20Q65A0433	4	4			8	5
No. of students attempted		39	64	48	55	103	103
Max Marks Question wise		5	5	5	5	10	5
Target 50%		2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%		37	40	24	40	73	73
% of Students > 50%		94.88	62.5	50	72.73	70.88	70.88
Attainment Level		3	3	2	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Department:	ELECTRONICS AND COMMUNICATION ENGINEERING		
Course Outcome Attainment External Examination			
		Academic Year:	2022-23
Branch & Section:	ECE	Exam:	EXTERNAL
Course:	MICROWAVE & OPTICAL COMMUNICATIONS	Year/Semister:	IV-I

S.NO.	HALLTICKET NO	TOTAL(Max. Score Marks)
1	17Q61A0454	12
2	18Q61A0415	26
3	18Q61A0448	13
4	18Q61A0450	-1
5	18Q61A0463	29
6	19Q61A0401	35
7	19Q61A0402	35
8	19Q61A0403	29
9	19Q61A0404	26
10	19Q61A0405	32
11	19Q61A0406	38
12	19Q61A0408	0
13	19Q61A0409	16
14	19Q61A0410	31
15	19Q61A0411	26
16	19Q61A0412	12
17	19Q61A0413	10
18	19Q61A0414	26
19	19Q61A0417	29
20	19Q61A0419	27
21	19Q61A0420	20
22	19Q61A0421	29
23	19Q61A0423	20
24	19Q61A0425	16
25	19Q61A0426	30
26	19Q61A0427	26
27	19Q61A0428	38
28	19Q61A0429	26
29	19Q61A0431	23
30	19Q61A0432	32
31	19Q61A0433	17
32	19Q61A0434	26
33	19Q61A0435	19
34	19Q61A0436	31
35	19Q61A0437	45
36	19Q61A0438	28
37	19Q61A0439	1
38	19Q61A0440	36

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39	19Q61A0441	30
40	19Q61A0442	35
41	19Q61A0443	31
42	19Q61A0444	31
43	19Q61A0445	36
44	19Q61A0446	39
45	19Q61A0447	28
46	19Q61A0448	33
47	19Q61A0449	19
48	19Q61A0450	13
49	19Q61A0452	27
50	19Q61A0453	29
51	19Q61A0454	11
52	19Q61A0455	11
53	19Q61A0457	1
54	19Q61A0458	20
55	19Q61A0459	53
56	19Q61A0460	8
57	19Q61A0461	20
58	19Q61A0463	40
59	19Q61A0464	5
60	19Q61A0465	20
61	19Q61A0466	3
62	19Q61A0468	43
63	19Q61A0469	26
64	19Q61A0470	12
65	19Q61A0472	34
66	19Q61A0473	26
67	19Q61A0474	28
68	19Q61A0475	37
69	19Q61A0477	26
70	19Q61A0478	36
71	19Q61A0479	31
72	19Q61A0480	10
73	19Q61A0481	27
74	20Q65A0401	31
75	20Q65A0404	16
76	20Q65A0405	35
77	20Q65A0406	35
78	20Q65A0407	46
79	20Q65A0408	33
80	20Q65A0409	30
81	20Q65A0410	18
82	20Q65A0411	28
83	20Q65A0412	7
84	20Q65A0413	37
85	20Q65A0414	28
86	20Q65A0415	28
87	20Q65A0416	28
88	20Q65A0418	28
89	20Q65A0419	30
90	20Q65A0420	23
91	20Q65A0421	29


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92	20Q65A0422	34
93	20Q65A0423	28
94	20Q65A0424	17
95	20Q65A0425	23
96	20Q65A0426	22
97	20Q65A0427	28
98	20Q65A0428	17
99	20Q65A0429	29
100	20Q65A0430	18
101	20Q65A0431	41
102	20Q65A0432	28
103	20Q65A0433	27

No. of students who attempted the subject	67
Max. Marks	75
No. of students secured > 26 marks	55
Percentage of students secured > 26 marks	82.1
Overall External Attainment level	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3



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Overall Course Outcome Attainment

Name of the Faculty:		Academic Year:	2022-23
Branch & Section:	ECE	Exam:	
Course:	MICROWAVE & OPTICAL COMMUNICATIONS	Semester:	IV-I

Course Outcomes	1st Internal Exam	2nd Internal Exam	Internal Exam(Avg.)	University Exam	Overall Attainment
Course outcome - 1	3	-	3	3	3
Course outcome - 2	3	-	3	3	3
Course outcome - 3	3	3	3	3	3
Course outcome - 4	-	3	3	3	3
Course outcome - 5	-	3	3	3	3
Average			3	3	3

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www.aietg.ac.in email: principal.avanathi@gmail.com

COURSE OUTCOMES

CO1	Known power generation at microwave frequencies and derive the performance characteristics.
CO2	realize the need for solid state microwave sources and understand the principles of solid state devices
CO3	distinguish between the different types of waveguide and ferrite components, and select proper components for engineering applications
CO4	understand the utility of S-parameters in microwave component design and learn the measurement procedure of various microwave parameters

CO-PO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	3	2	2	1								2	2
CO2	3	3	2	2	2								2	2
CO3	3	3	2	2	2								2	2
CO4	3	2	2	2	2								2	2
CO(Avg)	3	2.33	2	2	2								2	2

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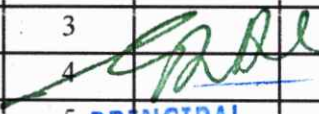
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Department:		ELECTRONICS AND COMMUNICATION ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		ECE		Exam:		MID - I (2022-2023)	
Course/Sub:		NETWORK SECURITY & CRYPTOGRAPHY		Year/Semester:		IV-1	
Sl.No	Roll Number	Question No.				Objective	Assignment
		1	2	3	4		
Maximum Marks		5	5	5	5	10	5
1	17Q61A0454	3	3			5	5
2	18Q61A0415	5	2			10	5
3	18Q61A0448	5	3			8	5
4	18Q61A0450	2	3			5	5
5	18Q61A0463	3	4			4	5
6	19Q61A0401	5	5			8	5
7	19Q61A0402	5	4			9	5
8	19Q61A0403	2	3			6	5
9	19Q61A0404	5	5			7	5
10	19Q61A0405	5	3			9	5
11	19Q61A0406			5	4	8	5
12	19Q61A0408			2	4	7	5
13	19Q61A0409		4	4		10	5
14	19Q61A0410		4	3		5	5
15	19Q61A0411		5	3		6	5
16	19Q61A0412			3	4	7	5
17	19Q61A0413		3	2		6	5
18	19Q61A0414		5	5		8	5
19	19Q61A0417		5	4		10	5
20	19Q61A0419		5	5		10	5
21	19Q61A0420		4	5		10	5
22	19Q61A0421		5	5		9	5
23	19Q61A0423		2	5		4	5
24	19Q61A0425		5	3		4	5
25	19Q61A0426		5	5		7	5
26	19Q61A0427		5	5		10	5
27	19Q61A0428		5	4		7	5
28	19Q61A0429		5	2		5	5
29	19Q61A0431		4	4		7	5
30	19Q61A0432		5	5		10	5
31	19Q61A0433		3	4		7	5
32	19Q61A0434		5	5		10	5
33	19Q61A0435		4	3		8	5
34	19Q61A0436		3	4		5	5
35	19Q61A0437		5	5		8	5
36	19Q61A0438	5	5			9	5
37	19Q61A0439		5			5	5


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38	19Q61A0440	5	5			9	5
39	19Q61A0441	5		4		10	5
40	19Q61A0442		5		5	9	5
41	19Q61A0443		4	3		10	5
42	19Q61A0444	4			5	8	5
43	19Q61A0445		3	5		5	5
44	19Q61A0446		5	5		10	5
45	19Q61A0447		5	5		10	5
46	19Q61A0448		5	5		10	5
47	19Q61A0449		5	2		8	5
48	19Q61A0450		5	5		5	5
49	19Q61A0452		5	5		10	5
50	19Q61A0453		5	3		8	5
51	19Q61A0454		3	4		4	5
52	19Q61A0455		2	2		5	5
53	19Q61A0457		5	4		8	5
54	19Q61A0458		4	4		8	5
55	19Q61A0459		5	4		6	5
56	19Q61A0460		5	2		8	5
57	19Q61A0461		5	5		5	5
58	19Q61A0463		5	5		10	5
59	19Q61A0464		5	4		6	5
60	19Q61A0465		5	2		8	5
61	19Q61A0466		5	4		10	5
62	19Q61A0468	5			5	10	5
63	19Q61A0469	5		5		6	5
64	19Q61A0470		5	3		8	5
65	19Q61A0472		5	2		10	5
66	19Q61A0473		5	5		10	5
67	19Q61A0474		5	5		10	5
68	19Q61A0475	5		5		10	5
69	19Q61A0477	5	5			10	5
70	19Q61A0478			5	5	10	5
71	19Q61A0479		5		5	10	5
72	19Q61A0480		5	5		10	5
73	19Q61A0481			5	2	8	5
74	20Q65A0401	5			4	10	5
75	20Q65A0404	4	3			8	5
76	20Q65A0405		5	5		10	5
77	20Q65A0406			5	5	9	5
78	20Q65A0407			4	5	10	5
79	20Q65A0408		5	5		10	5
80	20Q65A0409		5	5		7	5
81	20Q65A0410			4	4	10	5
82	20Q65A0411			5	5	6	5
83	20Q65A0412		5	5		10	5
84	20Q65A0413		5	5		10	5
85	20Q65A0414		3	5		10	5
86	20Q65A0415		5	5		0	5
87	20Q65A0416		5	5		7	5
88	20Q65A0418	5			5	10	5
89	20Q65A0419	4	4			8	5
90	20Q65A0420		2	5		8	5
91	20Q65A0421			5	5	10	5

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92	20Q65A0422			5	5	10	5
93	20Q65A0423		5	5		10	5
94	20Q65A0424		5	5		9	5
95	20Q65A0425		5		5	7	5
96	20Q65A0426		5	4		10	5
97	20Q65A0427			5	5	8	5
98	20Q65A0428	3			4	6	5
99	20Q65A0429	5	3			8	5
100	20Q65A0430		5	5		10	5
101	20Q65A0431		5	5		10	5
102	20Q65A0432		2	5		10	5
103	20Q65A0433			5	5	7	5
No. of students attempted		24	82	78	22	103	103
Max Marks Question wise		5	5	5	5	10	5
Target 50%		2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%		22	77	70	21	102	103
% of Students > 50%		91.67	93.91	89.75	95.46	99.03	100
Attainment Level		3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Department:	ELECTRONICS AND COMMUNICATION ENGINEERING		
Course Outcome Attainment External Examination			
Name of the Faculty:		Academic Year:	2022-23
Branch & Section:	ECE	Exam:	EXTERNAL
Course:	NETWORK SECURITY & CRYPTOGRAPHY	Year/Semester:	IV-I

S.NO.	HALL TICKET NO	TOTAL(Max. Score Marks)
1	17Q61A0454	29
2	18Q61A0415	26
3	18Q61A0448	29
4	18Q61A0450	-1
5	18Q61A0463	26
6	19Q61A0401	33
7	19Q61A0402	29
8	19Q61A0403	34
9	19Q61A0404	27
10	19Q61A0405	28
11	19Q61A0406	32
12	19Q61A0408	29
13	19Q61A0409	26
14	19Q61A0410	26
15	19Q61A0411	26
16	19Q61A0412	26
17	19Q61A0413	32
18	19Q61A0414	29
19	19Q61A0417	26
20	19Q61A0419	36
21	19Q61A0420	39
22	19Q61A0421	39
23	19Q61A0423	26
24	19Q61A0425	20
25	19Q61A0426	26
26	19Q61A0427	32
27	19Q61A0428	30
28	19Q61A0429	30
29	19Q61A0431	26
30	19Q61A0432	29
31	19Q61A0433	16
32	19Q61A0434	26
33	19Q61A0435	29
34	19Q61A0436	31
35	19Q61A0437	40
36	19Q61A0438	35
37	19Q61A0439	-1

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38	19Q61A0440	35
39	19Q61A0441	26
40	19Q61A0442	26
41	19Q61A0443	35
42	19Q61A0444	33
43	19Q61A0445	27
44	19Q61A0446	35
45	19Q61A0447	38
46	19Q61A0448	30
47	19Q61A0449	19
48	19Q61A0450	26
49	19Q61A0452	29
50	19Q61A0453	18
51	19Q61A0454	13
52	19Q61A0455	30
53	19Q61A0457	13
54	19Q61A0458	26
55	19Q61A0459	32
56	19Q61A0460	13
57	19Q61A0461	30
58	19Q61A0463	29
59	19Q61A0464	27
60	19Q61A0465	26
61	19Q61A0466	15
62	19Q61A0468	33
63	19Q61A0469	27
64	19Q61A0470	26
65	19Q61A0472	33
66	19Q61A0473	39
67	19Q61A0474	35
68	19Q61A0475	45
69	19Q61A0477	26
70	19Q61A0478	28
71	19Q61A0479	42
72	19Q61A0480	29
73	19Q61A0481	18
74	20Q65A0401	41
75	20Q65A0404	19
76	20Q65A0405	28
77	20Q65A0406	33
78	20Q65A0407	37
79	20Q65A0408	30
80	20Q65A0409	26
81	20Q65A0410	26


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82	20Q65A0411	32
83	20Q65A0412	26
84	20Q65A0413	33
85	20Q65A0414	26
86	20Q65A0415	32
87	20Q65A0416	32
88	20Q65A0418	26
89	20Q65A0419	32
90	20Q65A0420	16
91	20Q65A0421	27
92	20Q65A0422	27
93	20Q65A0423	26
94	20Q65A0424	18
95	20Q65A0425	32
96	20Q65A0426	26
97	20Q65A0427	30
98	20Q65A0428	26
99	20Q65A0429	26
100	20Q65A0430	31
101	20Q65A0431	30
102	20Q65A0432	30
103	20Q65A0433	26

No. of students who attempted the subject	67
Max. Marks	75
No. of students secured > 26 marks	57
Percentage of students secured > 26 marks	85.1
Overall External Attainment level	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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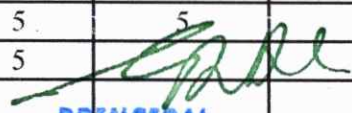
Gunthapally (V), Abdullapurmet (M), RR Dist, Near Ramoji Film City, Hyderabad -501512.

www.aietg.ac.in email: principal.avanthi@gmail.com

Department:		ELECTRONICS AND COMMUNICATION ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		ECE		Exam:		MID - II	
Course/Sub:		NETWORK SECURITY & CRYPTOGRAPHY		Year/Semester:		IV-I	
SLNo	Roll Number	Q1	Q2	Q3	Q4	Objective	Assignment
Maximum Marks		5	5	5	5	10	5
1	17Q61A0454	5	5			5	5
2	18Q61A0415	4	4			9	5
3	18Q61A0448	5	4			7	5
4	18Q61A0450	3	3			4	5
5	18Q61A0463	4	2			5	5
6	19Q61A0401	5	4			9	5
7	19Q61A0402	4	4			10	5
8	19Q61A0403	4	4			3	5
9	19Q61A0404	4	4			9	5
10	19Q61A0405	3		4		10	5
11	19Q61A0406	4	3			10	5
12	19Q61A0408	3	5			9	5
13	19Q61A0409	4	5			9	5
14	19Q61A0410	5	5			6	5
15	19Q61A0411	2			5	7	5
16	19Q61A0412	5			4	5	5
17	19Q61A0413	4	3			4	5
18	19Q61A0414	4			5	9	5
19	19Q61A0417	4		5		10	5
20	19Q61A0419	5		5		10	5
21	19Q61A0420	5		5		9	5
22	19Q61A0421	5		4		10	5
23	19Q61A0423	4		2		5	5
24	19Q61A0425	5		2		5	5
25	19Q61A0426	5		3		9	5
26	19Q61A0427	5		5		10	5
27	19Q61A0428	3	3	5		8	5
28	19Q61A0429	5		1		6	5
29	19Q61A0431		5	4		6	5
30	19Q61A0432		5		5	10	5
31	19Q61A0433		5		3	6	5
32	19Q61A0434	5	5			10	5
33	19Q61A0435			5	4	6	5
34	19Q61A0436			3	5	4	5
35	19Q61A0437			5	4	9	5
36	19Q61A0438			5	4	10	5
37	19Q61A0439		3		3	3	5
38	19Q61A0440		5		4	10	5

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39	19Q61A0441		5		5	9	5
40	19Q61A0442		5		4	10	5
41	19Q61A0443		5		3	9	5
42	19Q61A0444		3		4	10	5
43	19Q61A0445		2		5	6	5
44	19Q61A0446		5		5	10	5
45	19Q61A0447		5		5	10	5
46	19Q61A0448		5		5	10	5
47	19Q61A0449		5		4	6	5
48	19Q61A0450		3		4	8	5
49	19Q61A0452		5		5	10	5
50	19Q61A0453		5		4	7	5
51	19Q61A0454		5		3	3	5
52	19Q61A0455		1		2	6	5
53	19Q61A0457		2		5	10	5
54	19Q61A0458		5		5	6	5
55	19Q61A0459		3		5	7	5
56	19Q61A0460	5	4			6	5
57	19Q61A0461			4	3	8	5
58	19Q61A0463		5		5	10	5
59	19Q61A0464		5		3	7	5
60	19Q61A0465	5	4			6	5
61	19Q61A0466			5	5	10	5
62	19Q61A0468			5	5	10	5
63	19Q61A0469		5	3		8	5
64	19Q61A0470	5		4		7	5
65	19Q61A0472			3	5	9	5
66	19Q61A0473			5	5	10	5
67	19Q61A0474		5	5		10	5
68	19Q61A0475			5	5	10	5
69	19Q61A0477			5	5	10	5
70	19Q61A0478	5			5	10	5
71	19Q61A0479		5		5	10	5
72	19Q61A0480		5		5	10	5
73	19Q61A0481	4			5	6	5
74	20Q65A0401			5	5	9	5
75	20Q65A0404			4	5	6	5
76	20Q65A0405			5	5	10	5
77	20Q65A0406		5		4	10	5
78	20Q65A0407		5	5		10	5
79	20Q65A0408			5	5	10	5
80	20Q65A0409		4		4	9	5
81	20Q65A0410		4	5		9	5
82	20Q65A0411			5	3	8	5
83	20Q65A0412			5	5	10	5
84	20Q65A0413	5		5		10	5
85	20Q65A0414	5	5			10	5
86	20Q65A0415		3	3		0	5
87	20Q65A0416		5	5		9	5
88	20Q65A0418		5	5		10	5
89	20Q65A0419			5	4	7	5
90	20Q65A0420		4		5	6	5
91	20Q65A0421	5	4			10	5
92	20Q65A0422	5	5			10	5


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 Range Reddy (Dist.)

93	20Q65A0423		5	5		10	5
94	20Q65A0424			4	5	10	5
95	20Q65A0425			4	4	9	5
96	20Q65A0426		5	5		9	5
97	20Q65A0427			5	4	9	5
98	20Q65A0428		5	3		8	5
99	20Q65A0429		4	5		7	5
100	20Q65A0430			5	5	10	5
101	20Q65A0431		5	5		10	5
102	20Q65A0432	4	4			9	5
103	20Q65A0433	4	5			8	5
No. of students attempted		40	64	48	55	103	103
Max Marks Question wise		5	5	5	5	10	5
Target 50%		2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%		39	60	45	54	102	103
% of Students > 50%		97.5	93.75	93.75	98.19	99.03	100
Attainment Level		3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Overall Course Outcome Attainment

Name of the Faculty:		Academic Year:	2022-23
Branch & Section:	ECE	Exam:	
Course:	NETWORK SECURITY & CRYPTOGRAPHY	Semester:	IV-I

Course Outcomes	1st Internal Exam	2nd Internal Exam	Internal Exam(Avg.)	University Exam	Overall Attainment
Course outcome - 1	3	-	3	3	3
Course outcome - 2	3	-	3	3	3
Course outcome - 3	3	3	3	3	3
Course outcome - 4	-	3	3	3	3
Course outcome - 5	-	3	3	3	3
Average			3	3	3

OVERALL ATTAINMENT OF THE SUBJECT = 0.25*INT + 0.75*EXT

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COURSE OUTCOMES

CO1	Student will be able to understand basic cryptographic algorithms, message and web authentication and security issues.
CO2	Ability to identify information system requirements for both of them such as client and server.
CO3	Ability to understand the current legal issues towards information security.

CO-PO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2	2	3	2								2	2	2
CO2	2	2	3	2								2	2	2
CO3	2	2	3	2								2	2	2
CO avg(M)	2	2	3	2								2	2	2

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Avanathi Institute of Engineering & Technology
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Department:		ELECTRONICS AND COMMUNICATION ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		ECE		Academic Year:		2022-23	
Course/Sub:		PROFESSIONAL PRACTISE, LAW AND ETHICS		Exam:		MID - II	
				Year/Semister:		IV-I	
Sl.No	Roll Number	Q1	Q2	Q3	Q4	Objective	Assignment
Maximum Marks		5	5	5	5	10	5
1	17Q61A0454	3	4			7	5
2	18Q61A0415	4	4			5	5
3	18Q61A0448	5	4			3	5
4	18Q61A0450	3	4			4	5
5	18Q61A0463	4	3			4	5
6	19Q61A0401	5	3			9	5
7	19Q61A0402	5	5			6	5
8	19Q61A0403	2	2			10	5
9	19Q61A0404	4	5			6	5
10	19Q61A0405	3		4		10	5
11	19Q61A0406	4	2			6	5
12	19Q61A0408	3	3			8	5
13	19Q61A0409	4	5			4	5
14	19Q61A0410	5	3			6	5
15	19Q61A0411	2			4	9	5
16	19Q61A0412	4			4	5	5
17	19Q61A0413	4	4			7	5
18	19Q61A0414	4			4	7	5
19	19Q61A0417	3		5		9	5
20	19Q61A0419	3		5		8	5
21	19Q61A0420	4		5		4	5
22	19Q61A0421	2		4		9	5
23	19Q61A0423	4		2		5	5
24	19Q61A0425	3		3		4	5
25	19Q61A0426	5		3		8	5
26	19Q61A0427	5		1		9	5
27	19Q61A0428	3	3	5		5	5
28	19Q61A0429	5		3		8	5
29	19Q61A0431		5	4		5	5
30	19Q61A0432		5	3		7	5
31	19Q61A0433		5		3	5	5
32	19Q61A0434	5	3			6	5
33	19Q61A0435			5	5	4	5
34	19Q61A0436			4	5	4	5


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 Avanthi Institute of Engineering & Technology
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 Ranga Reddy (Dist.)

35	19Q61A0437			4	4	8	5
36	19Q61A0438			2	4	9	5
37	19Q61A0439		3		3	3	5
38	19Q61A0440		4		4	8	5
39	19Q61A0441		5		3	6	5
40	19Q61A0442		3		4	7	5
41	19Q61A0443		5		3	4	5
42	19Q61A0444		3		4	6	5
43	19Q61A0445		2		1	8	5
44	19Q61A0446		3		5	9	5
45	19Q61A0447		5		3	9	5
46	19Q61A0448		5		3	7	5
47	19Q61A0449		3		2	5	5
48	19Q61A0450		3		4	8	5
49	19Q61A0452		5		4	6	5
50	19Q61A0453		5		4	6	5
51	19Q61A0454		5		3	6	5
52	19Q61A0455		1		4	2	5
53	19Q61A0457		2		4	6	5
54	19Q61A0458		2		2	7	5
55	19Q61A0459		3		5	7	5
56	19Q61A0460	3	2			8	5
57	19Q61A0461			4	3	8	5
58	19Q61A0463		5		3	9	5
59	19Q61A0464		5		3	7	5
60	19Q61A0465	5	4			4	5
61	19Q61A0466			5	4	4	5
62	19Q61A0468			5	5	8	5
63	19Q61A0469		5	4		10	5
64	19Q61A0470	5		4		6	5
65	19Q61A0472			5	5	6	5
66	19Q61A0473			5	3	9	5
67	19Q61A0474		5	2		5	5
68	19Q61A0475			5	5	5	5
69	19Q61A0477			3	5	9	5
70	19Q61A0478	5			3	10	5
71	19Q61A0479		5		3	6	5
72	19Q61A0480		5		3	4	5
73	19Q61A0481	4			5	3	5
74	20Q65A0401			5	5	6	5
75	20Q65A0404			4	5	6	5
76	20Q65A0405			5	3	8	5
77	20Q65A0406		5		2	8	5
78	20Q65A0407		5	2		7	5
79	20Q65A0408			3	5	7	5
80	20Q65A0409		4		5	6	5
81	20Q65A0410		4		0	10	5
82	20Q65A0411			5	4	6	5
83	20Q65A0412			5	3	6	5
84	20Q65A0413	5	2	5		7	5
85	20Q65A0414	5	5			6	5
86	20Q65A0415		0	3		0	5
87	20Q65A0416		5	3		6	5
88	20Q65A0418		2	5		8	5

PRINCIPAL
Avarthi Institute of Engineering & Technology
Guntur (V), Hayathnagar,
Ranga Reddy (Dist.)

89	20Q65A0419			5	5	5	5
90	20Q65A0420		1		5	6	5
91	20Q65A0421	3	4			8	5
92	20Q65A0422	3	5			7	5
93	20Q65A0423		3	5		8	5
94	20Q65A0424			4	5	4	5
95	20Q65A0425			5	5	4	5
96	20Q65A0426		2	2		8	5
97	20Q65A0427			3	3	6	5
98	20Q65A0428		2	3		7	5
99	20Q65A0429		4	4		6	5
100	20Q65A0430			5	3	5	5
101	20Q65A0431		5	4		9	5
102	20Q65A0432	4	4			5	5
103	20Q65A0433	4	5			4	5
No. of students attempted		40	65	48	55	103	103
Max Marks Question wise		5	5	5	5	10	5
Target 50%		2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%		37	52	41	51	101	103
% of Students > 50%		92.5	80	85.42	92.73	98.06	100
Attainment Level		3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


PRINCIPAL
 Avanthi Institute of Engineering & Technology
 Gunthapilly (V), Hayathnagar,
 Ranga Reddy (Dist.)

37	19Q61A0439		3		3	3	5
38	19Q61A0440	5	5			6	5
39	19Q61A0441	2		2		7	5
40	19Q61A0442		3		5	3	5
41	19Q61A0443		4	3		5	5
42	19Q61A0444				5	8	5
43	19Q61A0445		3	5		7	5
44	19Q61A0446		5	3		7	5
45	19Q61A0447		5	2		10	5
46	19Q61A0448		5	4		6	5
47	19Q61A0449		2	2		4	5
48	19Q61A0450		5	5		5	5
49	19Q61A0452		2	5		8	5
50	19Q61A0453		5	5		5	5
51	19Q61A0454		3	4		7	5
52	19Q61A0455		2	2		3	5
53	19Q61A0457		5	2		5	5
54	19Q61A0458		4	4		3	5
55	19Q61A0459		5	4		6	5
56	19Q61A0460		5	2		4	5
57	19Q61A0461		5	2		6	5
58	19Q61A0463		5	2		8	5
59	19Q61A0464		5	3		4	5
60	19Q61A0465		5	2		6	5
61	19Q61A0466		5	3		8	5
62	19Q61A0468	4			5	9	5
63	19Q61A0469	2		5		7	5
64	19Q61A0470		5	3		7	5
65	19Q61A0472		5	3		8	5
66	19Q61A0473		5	2		10	5
67	19Q61A0474		2	2		8	5
68	19Q61A0475	3		3		9	5
69	19Q61A0477	3	2			10	5
70	19Q61A0478			4	4	7	5
71	19Q61A0479		4		4	4	5
72	19Q61A0480		5	4		3	5
73	19Q61A0481			5	2	5	5
74	20Q65A0401	4			4	8	5
75	20Q65A0404	4	3			8	5
76	20Q65A0405		5	5		6	5
77	20Q65A0406			5	5	5	5
78	20Q65A0407			5	5	4	5
79	20Q65A0408		5	4		6	5
80	20Q65A0409		5	5		10	5
81	20Q65A0410			3	4	7	5
82	20Q65A0411			5	5	5	5
83	20Q65A0412		5	2		7	5
84	20Q65A0413		5			8	5
85	20Q65A0414		3			8	5
86	20Q65A0415		5			5	5
87	20Q65A0416		5	2		7	5
88	20Q65A0418	5			5	5	5
89	20Q65A0419	4	5			6	5
90	20Q65A0420		3	5		4	5

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91	20Q65A0421			5	1	6	5
92	20Q65A0422			5	4	6	5
93	20Q65A0423		5	5		6	5
94	20Q65A0424		5	2		6	5
95	20Q65A0425		2		5	7	5
96	20Q65A0426		2	4		6	5
97	20Q65A0427			4	5	3	5
98	20Q65A0428		4		1	6	5
99	20Q65A0429	5	2			7	5
100	20Q65A0430		4	5		4	5
101	20Q65A0431		5	5		8	5
102	20Q65A0432		2	5		6	5
103	20Q65A0433		2	3		8	5
No. of students attempted		22	84	76	23	103	103
Max Marks Question wise		5	5	5	5	10	5
Target 50%		2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%		18	68	54	20	103	103
% of Students>50%		81.82	80.96	71.06	86.96	100	100
Attainment Level		3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


PRINCIPAL
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Department:	ELECTRONICS AND COMMUNICATION ENGINEERING		
Course Outcome Attainment External Examination			
		Academic Year:	2022-23
Branch & Section:	ECE	Exam:	EXTERNAL
Course:	PROFESSIONAL PRACTISE, LAW AND ETHICS	Year/Semester:	IV-I

S.NO.	HALL TICKET NO	TOTAL (Max. Score Marks)
1	17Q61A0454	29
2	18Q61A0415	26
3	18Q61A0448	32
4	18Q61A0450	-1
5	18Q61A0463	26
6	19Q61A0401	34
7	19Q61A0402	35
8	19Q61A0403	26
9	19Q61A0404	28
10	19Q61A0405	28
11	19Q61A0406	26
12	19Q61A0408	29
13	19Q61A0409	26
14	19Q61A0410	30
15	19Q61A0411	26
16	19Q61A0412	20
17	19Q61A0413	34
18	19Q61A0414	26
19	19Q61A0417	26
20	19Q61A0419	36
21	19Q61A0420	35
22	19Q61A0421	34
23	19Q61A0423	19
24	19Q61A0425	26
25	19Q61A0426	27
26	19Q61A0427	21
27	19Q61A0428	33
28	19Q61A0429	14
29	19Q61A0431	26
30	19Q61A0432	26
31	19Q61A0433	22
32	19Q61A0434	16
33	19Q61A0435	35
34	19Q61A0436	30
35	19Q61A0437	40
36	19Q61A0438	26
37	19Q61A0439	-1
38	19Q61A0440	36


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39	19Q61A0441	32
40	19Q61A0442	30
41	19Q61A0443	29
42	19Q61A0444	37
43	19Q61A0445	30
44	19Q61A0446	39
45	19Q61A0447	37
46	19Q61A0448	34
47	19Q61A0449	31
48	19Q61A0450	31
49	19Q61A0452	44
50	19Q61A0453	31
51	19Q61A0454	12
52	19Q61A0455	30
53	19Q61A0457	26
54	19Q61A0458	34
55	19Q61A0459	36
56	19Q61A0460	12
57	19Q61A0461	26
58	19Q61A0463	39
59	19Q61A0464	28
60	19Q61A0465	27
61	19Q61A0466	16
62	19Q61A0468	42
63	19Q61A0469	33
64	19Q61A0470	14
65	19Q61A0472	31
66	19Q61A0473	42
67	19Q61A0474	34
68	19Q61A0475	40
69	19Q61A0477	26
70	19Q61A0478	31
71	19Q61A0479	35
72	19Q61A0480	35
73	19Q61A0481	31
74	20Q65A0401	28
75	20Q65A0404	26
76	20Q65A0405	30
77	20Q65A0406	28
78	20Q65A0407	38
79	20Q65A0408	31
80	20Q65A0409	30
81	20Q65A0410	30
82	20Q65A0411	27
83	20Q65A0412	17
84	20Q65A0413	32
85	20Q65A0414	26
86	20Q65A0415	29
87	20Q65A0416	26
88	20Q65A0418	30
89	20Q65A0419	32
90	20Q65A0420	18
91	20Q65A0421	27


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92	20Q65A0422	29
93	20Q65A0423	26
94	20Q65A0424	26
95	20Q65A0425	27
96	20Q65A0426	30
97	20Q65A0427	26
98	20Q65A0428	33
99	20Q65A0429	33
100	20Q65A0430	17
101	20Q65A0431	26
102	20Q65A0432	26
103	20Q65A0433	26

No. of students who attempted the subject	67
Max. Marks	75
No. of students secured > 26 marks	60
Percentage of students secured > 26 marks	89.6
Overall External Attainment level	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3



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Overall Course Outcome Attainment			
		Academic Year:	2022-23
Branch & Section:	ECE	Exam:	
Course:	PROFESSIONAL PRACTISE, LAW AND ETHICS	Semister:	IV-I

Course Outcomes	1st Internal Exam	2nd Internal Exam	Internal Exam(Avg.)	University Exam	Overall Attainment
Course outcome - 1	3	-	3	3	3
Course outcome - 2	3	-	3	3	3
Course outcome - 3	3	3	3	3	3
Course outcome - 4	-	3	3	3	3
Course outcome - 5	-	3	3	3	3
Average			3	3	3

OVERALL ATTAINMENT OF THE SUBJECT = 0.25*INT + 0.75*EXT

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COURSE OUTCOMES

CO1	The students will understand the importance of professional practice, Law and Ethics in their personal lives and professional careers. The students will learn the rights and responsibilities as an employee, team member and a global citizen
CO2	Recognize the element of contract, unlawful and illegal agreement. Will analyze the remedies for breach of contract, sale of goods act 1930 and performance of contract of sales
CO3	Understand IPR Copyright, Trademarks, Patents and Designs, Secrets, Piracy in Internet Remedies and procedures in India

CO-PO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2	2	3	2		2		3				2	2	
CO2	2	2	3	2										
CO3	2	2	3	2		2		3				2	2	
CO avg(M)	2	2	3	2		2		3				2	2	

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Department:		ELECTRONICS AND COMMUNICATION ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		ECE		Academic Year:		2022-23	
Course/Sub:		NON CONVENTIONAL SOURCES OF ENERGY		Exam:		MID - I	
		Year/Semester:				IV-II	
		CO1	CO2	CO2	CO3		
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	17Q61A0454	3	3			2	5
2	18Q61A0415	5	4			8	5
3	18Q61A0448	2	3			5	5
4	18Q61A0450	2	3			5	5
5	18Q61A0463	2	3			5	5
6	19Q61A0401	5	5			10	5
7	19Q61A0402	5	5			10	5
8	19Q61A0403	5	5			9	5
9	19Q61A0404	5	5			9	5
10	19Q61A0405	5	5			9	5
11	19Q61A0406			5	5	9	5
12	19Q61A0408			2	5	8	5
13	19Q61A0409		5	5		10	5
14	19Q61A0410		5	4		8	5
15	19Q61A0411		5	5		10	5
16	19Q61A0412			5	5	9	5
17	19Q61A0413		5	4		9	5
18	19Q61A0414		5	5		10	5
19	19Q61A0416		5	2		5	5
20	19Q61A0417		5	4		8	5
21	19Q61A0419		5	5		10	5
22	19Q61A0420		5	4		9	5
23	19Q61A0421		4	5		9	5
24	19Q61A0423		3	3		8	5
25	19Q61A0425		5	5		9	5
26	19Q61A0426		5	5		9	5
27	19Q61A0427		5	5		10	5
28	19Q61A0428		5	4		9	5
29	19Q61A0429		4	2		8	5
30	19Q61A0431		5	5		9	5
31	19Q61A0432		5	5		10	5
32	19Q61A0433		5	3		8	5
33	19Q61A0434		5	4		9	5
34	19Q61A0435		2	3		8	5
35	19Q61A0436		5	1		9	5
36	19Q61A0437	5	4			9	5


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37	19Q61A0438		4		3	8	5	
38	19Q61A0440	5	5			10	5	
39	19Q61A0441	5		4		9	5	
40	19Q61A0442		5		1	7	5	
41	19Q61A0443		5	5		9	5	
42	19Q61A0444	1			5	8	5	
43	19Q61A0445		1	5		7	5	
44	19Q61A0446		5	5		10	5	
45	19Q61A0447		5	5		10	5	
46	19Q61A0448		5	5		10	5	
47	19Q61A0449		2	3		5	5	
48	19Q61A0450		5	2		8	5	
49	19Q61A0452		5	5		9	5	
50	19Q61A0453		5	5		9	5	
51	19Q61A0454		5	5		9	5	
52	19Q61A0455		5	4		9	5	
53	19Q61A0457		5	5		9	5	
54	19Q61A0458		4	5		8	5	
55	19Q61A0459		5	2		7	5	
56	19Q61A0460		5	1		9	5	
57	19Q61A0461		5	5		10	5	
58	19Q61A0463		5	4		9	5	
59	19Q61A0464		5	5		10	5	
60	19Q61A0465		5	5		9	5	
61	19Q61A0466		5	4		9	5	
62	19Q61A0469	5			5	9	5	
63	19Q61A0470	5		5		10	5	
64	19Q61A0472		5	5		9	5	
65	19Q61A0473		5	5		10	5	
66	19Q61A0474		5	5		10	5	
67	19Q61A0475		5	5		10	5	
68	19Q61A0477	5			5	10	5	
69	19Q61A0478	5		5		10	5	
70	19Q61A0479				4	5	9	5
71	19Q61A0480			5		4	9	5
72	19Q61A0481			2	2		6	5
73	20Q65A0401				2	5	8	5
74	20Q65A0404	3				4	8	5
75	20Q65A0405	5		5			10	5
76	20Q65A0406		5	4			9	5
77	20Q65A0407			4	5		9	5
78	20Q65A0408			4	5		10	5
79	20Q65A0409		5	4			7	5
80	20Q65A0410		5	2			9	5
81	20Q65A0411			1	5		8	5
82	20Q65A0412			5	5		9	5
83	20Q65A0413		5				10	5
84	20Q65A0414		5				10	5
85	20Q65A0416		3				8	5
86	20Q65A0418		5	5			10	5
87	20Q65A0419		5	1			7	5
88	20Q65A0420	1				5	7	5
89	20Q65A0421	5	5				9	5
90	20Q65A0422		5	5			10	5

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91	20Q65A0423			4	2	6	5
92	20Q65A0424			2	5	8	5
93	20Q65A0425		5	5		10	5
94	20Q65A0426		4	4		7	5
95	20Q65A0427		5		5	10	5
96	20Q65A0428		4	3		5	5
97	20Q65A0429			3	4	9	5
98	20Q65A0430	5			5	10	5
99	20Q65A0431	5	5			10	5
100	20Q65A0432		2	3		5	5
101	20Q65A0433		3	2		5	5
No. of students attempted		24	81	76	21	101	101
Max Marks Question wise		5	5	5	5	10	5
Target 50%		2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%		19	76	62	19	100	101
% of Students > 50%		79.17	93.83	81.58	90.48	99.01	100
Attainment Level		3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3



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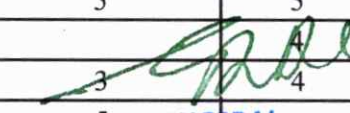
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Department:		ELECTRONICS AND COMMUNICATION ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		ECE		Academic Year:		2022-23	
Course/Sub:		NON CONVENTIONAL SOURCES OF ENERGY		Exam:		MID - II	
		CO3	CO4	CO4	CO5	Year/Semester: IV-II	
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	17Q61A0454	2	3			10	5
2	18Q61A0415	5	4			8	5
3	18Q61A0448	4	2			4	5
4	18Q61A0450	3	3			4	5
5	18Q61A0463	4	2			4	5
6	19Q61A0401	5	5			10	5
7	19Q61A0402	5	5			10	5
8	19Q61A0403	5	5			9	5
9	19Q61A0404	5	5			9	5
10	19Q61A0405	5		5		9	5
11	19Q61A0406	5	3			7	5
12	19Q61A0408	5	5			5	5
13	19Q61A0409	5	5			10	5
14	19Q61A0410	5	4			8	5
15	19Q61A0411	5			5	10	5
16	19Q61A0412	5			5	9	5
17	19Q61A0413	4	4			7	5
18	19Q61A0414	5			5	10	5
19	19Q61A0417	4		2		6	5
20	19Q61A0419	4		5		8	5
21	19Q61A0420	5		5		10	5
22	19Q61A0421	5		3		7	5
23	19Q61A0423	4		4		7	5
24	19Q61A0425	4		2		8	5
25	19Q61A0426	4		4		6	5
26	19Q61A0427	5		4		8	5
27	19Q61A0428	0	5	5		10	5
28	19Q61A0429	5				9	5
29	19Q61A0431					9	5
30	19Q61A0432					9	5
31	19Q61A0433					10	5
32	19Q61A0434	2				8	5
33	19Q61A0435					9	5
34	19Q61A0436			2	3	8	5
35	19Q61A0437			5	5	9	5
36	19Q61A0438			4	4	7	5
37	19Q61A0439		5		5	5	5


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38	19Q61A0440		5		5	10	5
39	19Q61A0441		5		4	9	5
40	19Q61A0442		5		2	6	5
41	19Q61A0443		5		5	9	5
42	19Q61A0444		5		1	8	5
43	19Q61A0445		3		5	7	5
44	19Q61A0446		5		5	10	5
45	19Q61A0447		5		5	10	5
46	19Q61A0448		5		5	10	5
47	19Q61A0449		2		4	4	5
48	19Q61A0450		4		4	7	5
49	19Q61A0452		5		5	9	5
50	19Q61A0453		5		5	9	5
51	19Q61A0454		5		5	9	5
52	19Q61A0455		4		4	7	5
53	19Q61A0457		5		5	9	5
54	19Q61A0458		3		4	7	5
55	19Q61A0459		2		5	7	5
56	19Q61A0460	5	4			7	5
57	19Q61A0461			5	5	10	5
58	19Q61A0463		5		4	9	5
59	19Q61A0464		5		2	9	5
60	19Q61A0465	5	4			7	5
61	19Q61A0466			5	3	7	5
62	19Q61A0468			5	5	9	5
63	19Q61A0469		5	5		10	5
64	19Q61A0470	5		4		7	5
65	19Q61A0472			5	5	10	5
66	19Q61A0473			5	5	10	5
67	19Q61A0474		5	5		10	5
68	19Q61A0475			5	5	10	5
69	19Q61A0477			5	5	10	5
70	19Q61A0478	5			3	7	5
71	19Q61A0479		3		5	7	5
72	19Q61A0480		4		2	4	5
73	19Q61A0481	3			5	7	5
74	20Q65A0401			4	4	7	5
75	20Q65A0404			5	5	10	5
76	20Q65A0405			4	5	9	5
77	20Q65A0406		4		5	9	5
78	20Q65A0407		5			10	5
79	20Q65A0408				4	9	5
80	20Q65A0409				5	10	5
81	20Q65A0410				4	8	5
82	20Q65A0411				5	9	5
83	20Q65A0412				5	10	5
84	20Q65A0413	5			5	10	5
85	20Q65A0414	5	2			7	5
86	20Q65A0415		5	5		10	5
87	20Q65A0416		5	2		6	5
88	20Q65A0418		5	2		6	5
89	20Q65A0419			5	5	9	5


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90	20Q65A0420		4		9	10	5
91	20Q65A0421	5	2			5	5
92	20Q65A0422	4	3			8	5
93	20Q65A0423		5	5		10	5
94	20Q65A0424			4	3	8	5
95	20Q65A0425			5	5	10	5
96	20Q65A0426		3	4		5	5
97	20Q65A0427			5	4	8	5
98	20Q65A0428		5	5		10	5
99	20Q65A0429		5	5		10	5
100	20Q65A0430			1	4	5	5
101	20Q65A0431		4	2		4	5
102	20Q65A0432	4	5			9	5
103	20Q65A0433	4	4			8	5
No. of students attempted		40	64	48	55	103	103
Max Marks Question wise		5	5	5	5	10	5
Target 50%		2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%		37	57	41	51	103	103
% of Students > 50%		92.5	89.07	85.42	92.73	100	100
Attainment Level		3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3



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Department:	ELECTRONICS AND COMMUNICATION ENGINEERING		
Course Outcome Attainment External Examination			
		Academic Year:	2022-23
Branch & Section:	ECE	Exam:	EXTERNAL
Course:	NON CONVENTIONAL SOURCES OF ENERGY	Year/Semister:	IV-II

S.NO.	HALL TICKET NO	TOTAL(Max. Score Marks)
1	17Q61A0454	32
2	18Q61A0415	39
3	18Q61A0448	32
4	18Q61A0450	-1
5	18Q61A0463	44
6	19Q61A0401	35
7	19Q61A0402	39
8	19Q61A0403	34
9	19Q61A0404	30
10	19Q61A0405	53
11	19Q61A0406	26
12	19Q61A0408	30
13	19Q61A0409	28
14	19Q61A0410	33
15	19Q61A0411	32
16	19Q61A0412	26
17	19Q61A0413	47
18	19Q61A0414	29
19	19Q61A0417	20
20	19Q61A0419	41
21	19Q61A0420	44
22	19Q61A0421	51
23	19Q61A0423	35
24	19Q61A0425	32
25	19Q61A0426	28
26	19Q61A0427	29
27	19Q61A0428	26
28	19Q61A0429	30
29	19Q61A0431	28
30	19Q61A0432	28
31	19Q61A0433	36
32	19Q61A0434	28
33	19Q61A0435	27
34	19Q61A0436	26
35	19Q61A0437	27
36	19Q61A0438	34
37	19Q61A0439	26
38	19Q61A0440	35


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Ranga Reddy (Dist.)

39	19Q61A0441	36
40	19Q61A0442	40
41	19Q61A0443	32
42	19Q61A0444	26
43	19Q61A0445	34
44	19Q61A0446	28
45	19Q61A0447	48
46	19Q61A0448	40
47	19Q61A0449	26
48	19Q61A0450	46
49	19Q61A0452	50
50	19Q61A0453	31
51	19Q61A0454	10
52	19Q61A0455	39
53	19Q61A0457	1
54	19Q61A0458	26
55	19Q61A0459	39
56	19Q61A0460	13
57	19Q61A0461	12
58	19Q61A0463	38
59	19Q61A0464	30
60	19Q61A0465	32
61	19Q61A0466	5
62	19Q61A0468	43
63	19Q61A0469	33
64	19Q61A0470	35
65	19Q61A0472	32
66	19Q61A0473	26
67	19Q61A0474	53
68	19Q61A0475	26
69	19Q61A0477	28
70	19Q61A0478	35
71	19Q61A0479	27
72	19Q61A0480	31
73	19Q61A0481	30
74	20Q65A0401	29
75	20Q65A0404	38
76	20Q65A0405	40
77	20Q65A0406	48
78	20Q65A0407	44
79	20Q65A0408	43
80	20Q65A0409	42
81	20Q65A0410	42
82	20Q65A0411	13
83	20Q65A0412	36
84	20Q65A0413	38
85	20Q65A0414	34
86	20Q65A0415	33
87	20Q65A0416	31
88	20Q65A0418	26
89	20Q65A0419	28
90	20Q65A0420	30
91	20Q65A0421	26


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92	20Q65A0422	15
93	20Q65A0423	26
94	20Q65A0424	26
95	20Q65A0425	27
96	20Q65A0426	16
97	20Q65A0427	28
98	20Q65A0428	26
99	20Q65A0429	41
100	20Q65A0430	27
101	20Q65A0431	30

No. of students who attempted the subject	112
Max. Marks	75
No. of students secured > 26 marks	103
Percentage of students secured > 26 marks	91.9
Overall External Attainment level	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3



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Department:	ELECTRONICS AND COMMUNICATION ENGINEERING				
Course Outcomes	1st Internal Exam	2nd Internal Exam	Internal Exam(Avg.)	University Exam	Overall Attainment
Course outcome - 1	3	-	3	3	3
Course outcome - 2	3	-	3	3	3
Course outcome - 3	3	3	3	3	3
Course outcome - 4	-	3	3	3	3
Course outcome - 5	-	3	3	3	3
Average			3	3	3

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COURSE OUTCOMES

Course Outcomes														
CO1	Describe the Importance of Renewable Energy sources such as solar, wind, biomass, Ocean and tidal energy													
CO2	Compare various renewable energy sources.													
CO3	Identify applications of different renewable energy sources													
CO4	Demonstrate the schematics of renewable energy systems.													
CO5	Analyse and evaluate the implication of renewable energy. Concepts in solving numerical problems pertaining to solar radiation geometry and wind energy systems.													
CO-PO Mapping														
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2	2	2	2	2						2	2	2	2
CO2	3	2	2	2	2								2	
CO3	2	2	2		2						2	2		2
CO4	3	3	3	3	2						2	2	2	2
CO5	3	3	3	2	2						2	2	2	2
CO avg(M)	2.33	2.2	2.25	2.33	2						2	2	2	2

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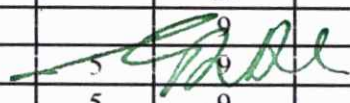
Gunthapally (V), Abdullapurmet(M), RR Dist, Near Ramoji Film City, Hyderabad -501512.

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Department:		ELECTRONICS AND COMMUNICATION ENGINEERING					
Course Outcome Attainment - Internal Assessments							
				Academic Year:		2022-23	
Branch & Section:		ECE		Exam:		MID - I	
Course/Sub:		SATELLITE COMMUNICATIONS		Year/Semister:		IV-II	
		CO1	CO2	CO2	CO3		
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	17Q61A0454	3	3			3	5
2	18Q61A0415	5	4			8	5
3	18Q61A0448	2	3			4	5
4	18Q61A0450	2	3			4	5
5	18Q61A0463	2	3			4	5
6	19Q61A0401	5	5			10	5
7	19Q61A0402	5	5			10	5
8	19Q61A0403	5	4			8	5
9	19Q61A0404	5	5			9	5
10	19Q61A0405	5	5			9	5
11	19Q61A0406			5	5	9	5
12	19Q61A0408			4	5	8	5
13	19Q61A0409		5	5		9	5
14	19Q61A0410		5	4		8	5
15	19Q61A0411		5	5		9	5
16	19Q61A0412			5	4	8	5
17	19Q61A0413		5	5		9	5
18	19Q61A0414		5	5		10	5
19	19Q61A0416		5	4		8	5
20	19Q61A0417		5	5		9	5
21	19Q61A0419		5	5		10	5
22	19Q61A0420		5	5		9	5
23	19Q61A0421		4	5		8	5
24	19Q61A0423		3	3		8	5
25	19Q61A0425		5	5		9	5
26	19Q61A0426		5	5		9	5
27	19Q61A0427		5	5		10	5
28	19Q61A0428		5	5		9	5
29	19Q61A0429		4	2		9	5
30	19Q61A0431		5	5		5	5
31	19Q61A0432		5	5		10	5
32	19Q61A0433		5	3		8	5
33	19Q61A0434		5	5		9	5
34	19Q61A0435		2	4		9	5
35	19Q61A0436		5	3		9	5
36	19Q61A0437	5	5			10	5


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37	19Q61A0438		4		5	8	5
38	19Q61A0440	5	5			10	5
39	19Q61A0441	5		5		10	5
40	19Q61A0442		5		5	10	5
41	19Q61A0443		5	5		9	5
42	19Q61A0444	1			5	7	5
43	19Q61A0445		1	5		7	5
44	19Q61A0446		5	5		10	5
45	19Q61A0447		5	5		10	5
46	19Q61A0448		5	5		10	5
47	19Q61A0449		2	3		4	5
48	19Q61A0450		5	5		9	5
49	19Q61A0452		5	5		10	5
50	19Q61A0453		5	4		9	5
51	19Q61A0454		5	5		9	5
52	19Q61A0455		5	5		9	5
53	19Q61A0457		5	5		9	5
54	19Q61A0458		4	5		8	5
55	19Q61A0459		5	4		8	5
56	19Q61A0460		5	1		7	5
57	19Q61A0461		5	5		10	5
58	19Q61A0463		5	5		9	5
59	19Q61A0464		5	5		10	5
60	19Q61A0465		5	5		9	5
61	19Q61A0466		5	5		10	5
62	19Q61A0469	5			5	9	5
63	19Q61A0470	5		5		10	5
64	19Q61A0472		5	5		9	5
65	19Q61A0473		5	5		10	5
66	19Q61A0474		5	5		10	5
67	19Q61A0475		5	5		10	5
68	19Q61A0477	5			5	10	5
69	19Q61A0478	5	5			10	5
70	19Q61A0479			5	5	9	5
71	19Q61A0480		5		5	10	5
72	19Q61A0481		2	5		9	5
73	20Q65A0401			4	5	9	5
74	20Q65A0404	3			4	9	5
75	20Q65A0405	5	5			10	5
76	20Q65A0406		5	5		10	5
77	20Q65A0407			5	5	9	5
78	20Q65A0408			5	5	10	5
79	20Q65A0409		5	5		10	5
80	20Q65A0410		5	5		9	5
81	20Q65A0411			5	5	9	5
82	20Q65A0412			5	5	9	5
83	20Q65A0413		5	5		9	5
84	20Q65A0414		5	5		9	5
85	20Q65A0416		3	3		9	5
86	20Q65A0418		5	5		9	5
87	20Q65A0419		5	5		9	5
88	20Q65A0420	1			5	5	5
89	20Q65A0421	5	5			9	5
90	20Q65A0422		5	5		10	5


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91	20Q65A0423			4	2	7	5
92	20Q65A0424			5	5	9	5
93	20Q65A0425		5	5		10	5
94	20Q65A0426		4	4		8	5
95	20Q65A0427		5		5	9	5
96	20Q65A0428		4	4		8	5
97	20Q65A0429			5	4	8	5
98	20Q65A0430	5			5	10	5
99	20Q65A0431	5	5			9	5
100	20Q65A0432		5	5		9	5
101	20Q65A0433		3	2		4	5
No. of students attempted		24	81	76	21	101	101
Max Marks Question wise		5	5	5	5	10	5
Target 50%		2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%		18	76	72	20	100	101
% of Students > 50%		75	93.83	94.74	95.24	99.01	100
Attainment Level		3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Department:		ELECTRONICS AND COMMUNICATION ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		ECE		Academic Year:		2022-23	
Course/Sub:		SATELLITE COMMUNICATIONS		Exam:		MID - II	
		Year/Semester:		IV-II			
		CO3	CO4	CO4	CO5		
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	17Q61A0454	5	5			5	5
2	18Q61A0415	5	4			6	5
3	18Q61A0448	4	2			6	5
4	18Q61A0450	3	3			5	5
5	18Q61A0463	4	2			9	5
6	19Q61A0401	5	5			10	5
7	19Q61A0402	5	5			6	5
8	19Q61A0403	5	4			6	5
9	19Q61A0404	5	5			9	5
10	19Q61A0405	5		5		10	5
11	19Q61A0406	5	5			10	5
12	19Q61A0408	5	4			9	5
13	19Q61A0409	5	5			6	5
14	19Q61A0410	5	4			8	5
15	19Q61A0411	5			5	7	5
16	19Q61A0412	5			4	6	5
17	19Q61A0413	5	5			8	5
18	19Q61A0414	5			5	6	5
19	19Q61A0417	4		5		6	5
20	19Q61A0419	5		5		9	5
21	19Q61A0420	5		5		9	5
22	19Q61A0421	5		5		10	5
23	19Q61A0423	4		5		4	5
24	19Q61A0425	5		1		5	5
25	19Q61A0426	5		5		10	5
26	19Q61A0427	5		5		9	5
27	19Q61A0428	0	5	5		8	5
28	19Q61A0429	5		5		5	5
29	19Q61A0431		2	5		7	5
30	19Q61A0432		5			10	5
31	19Q61A0433		5			4	5
32	19Q61A0434	5	3			9	5
33	19Q61A0435			5	5	10	5
34	19Q61A0436			5	4	4	5
35	19Q61A0437			5	5	9	5
36	19Q61A0438			5	5	6	5

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 Ranga Reddy (Dist.)

37	19Q61A0439		4		5	0	5
38	19Q61A0440		5		5	10	5
39	19Q61A0441		5		5	6	5
40	19Q61A0442		5		5	8	5
41	19Q61A0443		5		5	9	5
42	19Q61A0444		5		4	7	5
43	19Q61A0445		3		5	8	5
44	19Q61A0446		5		5	10	5
45	19Q61A0447		5		5	10	5
46	19Q61A0448		5		5	10	5
47	19Q61A0449		2		4	4	5
48	19Q61A0450		5		5	8	5
49	19Q61A0452		5		5	10	5
50	19Q61A0453		4		4	9	5
51	19Q61A0454		5		5	6	5
52	19Q61A0455		5		5	5	5
53	19Q61A0457		5		5	8	5
54	19Q61A0458		5		4	9	5
55	19Q61A0459		4		5	8	5
56	19Q61A0460	5	4			7	5
57	19Q61A0461			5	5	6	5
58	19Q61A0463		5		5	9	5
59	19Q61A0464		5		5	8	5
60	19Q61A0465	5	5			8	5
61	19Q61A0466			5	5	6	5
62	19Q61A0468			5	5	9	5
63	19Q61A0469		5			9	5
64	19Q61A0470	5		5		7	5
65	19Q61A0472			5	5	9	5
66	19Q61A0473			5	5	10	5
67	19Q61A0474		5			9	5
68	19Q61A0475			5	5	10	5
69	19Q61A0477			5	5	9	5
70	19Q61A0478	5			5	9	5
71	19Q61A0479		5			10	5
72	19Q61A0480		5			9	5
73	19Q61A0481	3			5	8	5
74	20Q65A0401			5	5	9	5
75	20Q65A0404			5	5	4	5
76	20Q65A0405			5	5	10	5
77	20Q65A0406		5		5	7	5
78	20Q65A0407		5		5	10	5
79	20Q65A0408			5	5	8	5
80	20Q65A0409		5			8	5
81	20Q65A0410		5		5	10	5
82	20Q65A0411					9	5
83	20Q65A0412					7	5
84	20Q65A0413	5				9	5
85	20Q65A0414	4	4			7	5
86	20Q65A0415		5		5	0	5
87	20Q65A0416		5		5	9	5


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88	20Q65A0418		2	3		9	5
89	20Q65A0419			5	5	9	5
90	20Q65A0420		5		5	9	5
91	20Q65A0421	5	4			8	5
92	20Q65A0422	5	5			9	5
93	20Q65A0423		5	5		8	5
94	20Q65A0424			3	5	8	5
95	20Q65A0425			5	5	10	5
96	20Q65A0426		4	4		8	5
97	20Q65A0427			5	4	9	5
98	20Q65A0428		5	5		4	5
99	20Q65A0429		5	5		6	5
100	20Q65A0430			5	5	7	5
101	20Q65A0431		4	2		9	5
102	20Q65A0432	4	5			9	5
103	20Q65A0433	4	4			8	5
No. of students attempted		40	64	48	55	103	103
Max Marks Question wise		5	5	5	5	10	5
Target 50%		2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%		38	58	46	55	100	103
% of Students > 50%		95	90.63	95.84	100	97.09	100
Attainment Level		3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3


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Department:		ELECTRONICS AND COMMUNICATION ENGINEERING	
Course Outcome Attainment External Examination			
		Academic Year:	2022-23
Branch & Section:	ECE		Exam: EXTERNAL
Course:	SATELLITE COMMUNICATIONS		Year/Semister: IV-II
S.NO.	HALLTICKET NO	TOTAL(Max. Score Marks)	
1	17Q61A0454	26	
2	18Q61A0415	37	
3	18Q61A0448	20	
4	18Q61A0450	-1	
5	18Q61A0463	34	
6	19Q61A0401	43	
7	19Q61A0402	34	
8	19Q61A0403	37	
9	19Q61A0404	26	
10	19Q61A0405	47	
11	19Q61A0406	33	
12	19Q61A0408	32	
13	19Q61A0409	35	
14	19Q61A0410	43	
15	19Q61A0411	41	
16	19Q61A0412	9	
17	19Q61A0413	41	
18	19Q61A0414	30	
19	19Q61A0417	33	
20	19Q61A0419	44	
21	19Q61A0420	54	
22	19Q61A0421	53	
23	19Q61A0423	42	
24	19Q61A0425	36	
25	19Q61A0426	34	
26	19Q61A0427	34	
27	19Q61A0428	32	
28	19Q61A0429	42	
29	19Q61A0431	35	
30	19Q61A0432	41	
31	19Q61A0433	47	
32	19Q61A0434	30	
33	19Q61A0435	34	
34	19Q61A0436	46	
35	19Q61A0437	40	
36	19Q61A0438	52	
37	19Q61A0439	29	
38	19Q61A0440	54	
39	19Q61A0441	28	


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40	19Q61A0442	34
41	19Q61A0443	37
42	19Q61A0444	48
43	19Q61A0445	34
44	19Q61A0446	41
45	19Q61A0447	54
46	19Q61A0448	52
47	19Q61A0449	30
48	19Q61A0450	44
49	19Q61A0452	41
50	19Q61A0453	34
51	19Q61A0454	20
52	19Q61A0455	31
53	19Q61A0457	12
54	19Q61A0458	26
55	19Q61A0459	29
56	19Q61A0460	7
57	19Q61A0461	19
58	19Q61A0463	43
59	19Q61A0464	38
60	19Q61A0465	27
61	19Q61A0466	6
62	19Q61A0468	33
63	19Q61A0469	31
64	19Q61A0470	47
65	19Q61A0472	51
66	19Q61A0473	43
67	19Q61A0474	46
68	19Q61A0475	22
69	19Q61A0477	30
70	19Q61A0478	33
71	19Q61A0479	32
72	19Q61A0480	46
73	19Q61A0481	30
74	20Q65A0401	20
75	20Q65A0404	26
76	20Q65A0405	26
77	20Q65A0406	39
78	20Q65A0407	31
79	20Q65A0408	28
80	20Q65A0409	28
81	20Q65A0410	21
82	20Q65A0411	17
83	20Q65A0412	31
84	20Q65A0413	28
85	20Q65A0414	28
86	20Q65A0415	23
87	20Q65A0416	37
88	20Q65A0418	38
89	20Q65A0419	51
90	20Q65A0420	43
91	20Q65A0421	38
92	20Q65A0422	37


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93	20Q65A0423	40
94	20Q65A0424	42
95	20Q65A0425	42
96	20Q65A0426	45
97	20Q65A0427	46
98	20Q65A0428	32
99	20Q65A0429	45
100	20Q65A0430	26
101	20Q65A0431	26

No. of students who attempted the subject	112
Max. Marks	75
No. of students secured > 26 marks	101
Percentage of students secured > 26 marks	90.2
Overall External Attainment level	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3



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 Ranga Reddy (Dist.)



AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

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Gunthapally (V), Abdullapurmet(M), RR Dist, Near Ramoji Film City, Hyderabad -501512.

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Department:	ELECTRONICS AND COMMUNICATION ENGINEERING				
Course Outcomes	1st Internal Exam	2nd Internal Exam	Internal Exam(Avg.)	University Exam	Overall Attainment
Course outcome - 1	3	-	3	3	3
Course outcome - 2	3	-	3	3	3
Course outcome - 3	3	3	3	3	3
Course outcome - 4	-	3	3	3	3
Course outcome - 5	-	3	3	3	3
Average			3	3	3


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COURSE OUTCOMES

Course Outcomes														
CO1	Understand basic concepts and frequency allocations for satellite communication, orbital mechanics and launch vehicles.													
CO2	Envision the satellite sub systems and design satellite links for specified C/N.													
CO3	Understand the various multiple access techniques for satellite communication systems and earth station technologies.													
CO4	Known the concepts of LEO, GEO Stationary Satellite Systems and satellite navigation.													
CO-PO Mapping														
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2	2	3	3	2	2						2	2	2
CO2	2	2	2	3	2	2						2	2	2
CO3	2	2	2	2	2	2						2	2	2
CO4	2	2	2	2	2							2	2	
CO5	2	2	2	2	2	2						2	2	2
CO avg(M)	2	2	2.33	2.4	2	2						2	2	2

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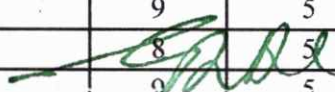
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Department:		ELECTRONICS AND COMMUNICATION ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Name of the Faculty:				Academic Year:		2022-23	
Branch & Section:		ECE		Exam:		MID - I	
Course/Sub:		SYSTEM ON CHIP ARCHITECTURE		Year/Semister:		IV-II	
		CO1	CO2	CO2	CO3		
Sl.No	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	17Q61A0454	5	5			5	5
2	18Q61A0415	5	4			8	5
3	18Q61A0448	2	3			5	5
4	18Q61A0450	2	3			5	5
5	18Q61A0463	2	3			5	5
6	19Q61A0401	5	5			10	5
7	19Q61A0402	5	5			10	5
8	19Q61A0403	5	5			9	5
9	19Q61A0404	5	5			9	5
10	19Q61A0405	5	5			9	5
11	19Q61A0406			5	5	9	5
12	19Q61A0408			2	5	8	5
13	19Q61A0409		5	5		10	5
14	19Q61A0410		5	4		8	5
15	19Q61A0411		5	5		10	5
16	19Q61A0412			5	5	9	5
17	19Q61A0413		5	4		9	5
18	19Q61A0414		5	5		10	5
19	19Q61A0416		5	2		5	5
20	19Q61A0417		5	4		8	5
21	19Q61A0419		5	5		10	5
22	19Q61A0420		5	4		9	5
23	19Q61A0421		4	5		9	5
24	19Q61A0423		3	3		8	5
25	19Q61A0425		5	5		9	5
26	19Q61A0426		5	5		9	5
27	19Q61A0427		5	5		10	5
28	19Q61A0428		5	4		9	5
29	19Q61A0429		4	2		8	5
30	19Q61A0431		5	5		9	5
31	19Q61A0432		5	5		10	5
32	19Q61A0433		5	3		8	5
33	19Q61A0434		5	4		9	5
34	19Q61A0435		2	3		8	5
35	19Q61A0436		5	1		9	5
36	19Q61A0437	5	4			9	5


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37	19Q61A0438		4		3	8	5
38	19Q61A0440	5	5			10	5
39	19Q61A0441	5		4		9	5
40	19Q61A0442		5		1	7	5
41	19Q61A0443		5	5		9	5
42	19Q61A0444	1			5	8	5
43	19Q61A0445		1	5		7	5
44	19Q61A0446		5	5		10	5
45	19Q61A0447		5	5		10	5
46	19Q61A0448		5	5		10	5
47	19Q61A0449		2	3		5	5
48	19Q61A0450		5	2		8	5
49	19Q61A0452		5	5		9	5
50	19Q61A0453		5	5		9	5
51	19Q61A0454		5	5		9	5
52	19Q61A0455		5	4		9	5
53	19Q61A0457		5	5		9	5
54	19Q61A0458		4	5		8	5
55	19Q61A0459		5	2		7	5
56	19Q61A0460		5	1		9	5
57	19Q61A0461		5	5		10	5
58	19Q61A0463		5	4		9	5
59	19Q61A0464		5	5		10	5
60	19Q61A0465		5	5		9	5
61	19Q61A0466		5	4		9	5
62	19Q61A0469	5			5	9	5
63	19Q61A0470	5		5		10	5
64	19Q61A0472		5	5		9	5
65	19Q61A0473		5	5		10	5
66	19Q61A0474		5	5		10	5
67	19Q61A0475		5	5		10	5
68	19Q61A0477	5		5		10	5
69	19Q61A0478	5	5			10	5
70	19Q61A0479			4	5	9	5
71	19Q61A0480		5		4	9	5
72	19Q61A0481		2	2		6	5
73	20Q65A0401			2	5	8	5
74	20Q65A0404	3			4	8	5
75	20Q65A0405	5	5			10	5
76	20Q65A0406		5	4		9	5
77	20Q65A0407			4	5	9	5
78	20Q65A0408			4	5	10	5
79	20Q65A0409		5	4		7	5
80	20Q65A0410		5	2		9	5
81	20Q65A0411			1	5	8	5
82	20Q65A0412			5	5	9	5
83	20Q65A0413		5	5	5	10	5
84	20Q65A0414		5	5	5	10	5
85	20Q65A0416		3	3	3	8	5
86	20Q65A0418		5	5		10	5
87	20Q65A0419		5	1		7	5
88	20Q65A0420	1			5	7	5
89	20Q65A0421	5	5			9	5
90	20Q65A0422		5	5		10	5

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91	20Q65A0423			4	2	6	5
92	20Q65A0424			2	5	8	5
93	20Q65A0425		5	5		10	5
94	20Q65A0426		4	4		7	5
95	20Q65A0427		5		5	10	5
96	20Q65A0428		4	3		5	5
97	20Q65A0429			3	4	9	5
98	20Q65A0430	5			5	10	5
99	20Q65A0431	5	5			10	5
100	20Q65A0432		2	3		5	5
101	20Q65A0433		3	2		5	5
No. of students attempted		24	81	76	21	101	101
Max Marks Question wise		5	5	5	5	10	5
Target 50%		2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%		18	75	62	19	100	101
% of Students > 50%		75	92.6	81.58	90.48	99.01	100
Attainment Level		3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3



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Department:		ELECTRONICS AND COMMUNICATION ENGINEERING					
Course Outcome Attainment - Internal Assessments							
Branch & Section:		ECE		Academic Year:		2022-23	
Course/Sub:		SYSTEM ON CHIP ARCHITECTURE		Exam:		MID - II	
		CO3		CO4		Year/Semister:	
		CO4		CO5		IV-II	
SLNo	Roll Number	Question No.				Objective	Assignment
		Q1	Q2	Q3	Q4		
Maximum Marks		5	5	5	5	10	5
1	17Q61A0454	2	3			10	5
2	18Q61A0415	5	4			8	5
3	18Q61A0448	4	2			4	5
4	18Q61A0450	3	3			4	5
5	18Q61A0463	4	2			4	5
6	19Q61A0401	5	5			10	5
7	19Q61A0402	5	5			10	5
8	19Q61A0403	5	5			9	5
9	19Q61A0404	5	5			9	5
10	19Q61A0405	5		5		9	5
11	19Q61A0406	5	3			7	5
12	19Q61A0408	5	5			5	5
13	19Q61A0409	5	5			10	5
14	19Q61A0410	5	4			8	5
15	19Q61A0411	5			5	10	5
16	19Q61A0412	5			5	9	5
17	19Q61A0413	4	4			7	5
18	19Q61A0414	5			5	10	5
19	19Q61A0417	4		2		6	5
20	19Q61A0419	4		5		8	5
21	19Q61A0420	5		5		10	5
22	19Q61A0421	5		3		7	5
23	19Q61A0423	4		4		7	5
24	19Q61A0425	4		2		8	5
25	19Q61A0426	4		4		6	5
26	19Q61A0427	5		4		8	5
27	19Q61A0428	0	5	5			5
28	19Q61A0429	5		4			5
29	19Q61A0431		3	4		9	5
30	19Q61A0432		5			9	5
31	19Q61A0433		5			10	5
32	19Q61A0434	2	4			8	5
33	19Q61A0435			5		4	5
34	19Q61A0436			2	3	8	5
35	19Q61A0437			5	5	9	5
36	19Q61A0438			4	4	7	5


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37	19Q61A0439		5		5	5	5
38	19Q61A0440		5		5	10	5
39	19Q61A0441		5		4	9	5
40	19Q61A0442		5		2	6	5
41	19Q61A0443		5		5	9	5
42	19Q61A0444		5		1	8	5
43	19Q61A0445		3		5	7	5
44	19Q61A0446		5		5	10	5
45	19Q61A0447		5		5	10	5
46	19Q61A0448		5		5	10	5
47	19Q61A0449		2		4	4	5
48	19Q61A0450		4		4	7	5
49	19Q61A0452		5		5	9	5
50	19Q61A0453		5		5	9	5
51	19Q61A0454		5		5	9	5
52	19Q61A0455		4		4	7	5
53	19Q61A0457		5		5	9	5
54	19Q61A0458		3		4	7	5
55	19Q61A0459		2		5	7	5
56	19Q61A0460	5	4			7	5
57	19Q61A0461			5	5	10	5
58	19Q61A0463		5		4	9	5
59	19Q61A0464		5		2	9	5
60	19Q61A0465	5	4			7	5
61	19Q61A0466			5	3	7	5
62	19Q61A0468			5	5	9	5
63	19Q61A0469		5	5		10	5
64	19Q61A0470	5		4		7	5
65	19Q61A0472			5	5	10	5
66	19Q61A0473			5	5	10	5
67	19Q61A0474		5	5		10	5
68	19Q61A0475			5	5	10	5
69	19Q61A0477			5	5	10	5
70	19Q61A0478	5			3	7	5
71	19Q61A0479		3		5	7	5
72	19Q61A0480		4		2	4	5
73	19Q61A0481	3			5	7	5
74	20Q65A0401			4	4	7	5
75	20Q65A0404			5	5	10	5
76	20Q65A0405			4	5	9	5
77	20Q65A0406		4		5	9	5
78	20Q65A0407		5	5	10	5	5
79	20Q65A0408			3	4	9	5
80	20Q65A0409		5		5	10	5
81	20Q65A0410		2	4	8	5	5
82	20Q65A0411			5	9	5	5
83	20Q65A0412			5	10	5	5
84	20Q65A0413	5		5	10	5	5
85	20Q65A0414	5	2			7	5
86	20Q65A0415		5	5		10	5
87	20Q65A0416		5	2		6	5
88	20Q65A0418		5	2		6	5

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89	20Q65A0419			5	5	9	5
90	20Q65A0420		4		9	10	5
91	20Q65A0421	5	2			5	5
92	20Q65A0422	4	3			8	5
93	20Q65A0423		5	5		10	5
94	20Q65A0424			4	3	8	5
95	20Q65A0425			5	5	10	5
96	20Q65A0426		3	4		5	5
97	20Q65A0427			5	4	8	5
98	20Q65A0428		5	5		10	5
99	20Q65A0429		5	5		10	5
100	20Q65A0430			1	4	5	5
101	20Q65A0431		4	2		4	5
102	20Q65A0432	4	5			9	5
103	20Q65A0433	4	4			8	5
No. of students attempted		40	64	48	55	103	103
Max Marks Question wise		5	5	5	5	10	5
Target 50%		2.5	2.5	2.5	2.5	5	2.5
No. of Students above 50%		37	57	41	51	103	103
% of Students>50%		92.5	89.07	85.42	92.73	100	100
Attainment Level		3	3	3	3	3	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3

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Department:		ELECTRONICS AND COMMUNICATION ENGINEERING	
Course Outcome Attainment External Examination			
Branch & Section:		Academic Year:	2022-23
Course:		Exam:	EXTERNAL
		Year/Semester:	IV-II
S.NO.	HALLTICKET NO	TOTAL(Max. Score Marks)	
1	17Q61A0454	32	
2	18Q61A0415	39	
3	18Q61A0448	32	
4	18Q61A0450	-1	
5	18Q61A0463	44	
6	19Q61A0401	35	
7	19Q61A0402	39	
8	19Q61A0403	34	
9	19Q61A0404	30	
10	19Q61A0405	53	
11	19Q61A0406	26	
12	19Q61A0408	30	
13	19Q61A0409	28	
14	19Q61A0410	33	
15	19Q61A0411	32	
16	19Q61A0412	26	
17	19Q61A0413	47	
18	19Q61A0414	29	
19	19Q61A0417	20	
20	19Q61A0419	41	
21	19Q61A0420	44	
22	19Q61A0421	51	
23	19Q61A0423	35	
24	19Q61A0425	32	
25	19Q61A0426	28	
26	19Q61A0427	29	
27	19Q61A0428	26	
28	19Q61A0429	30	
29	19Q61A0431	28	
30	19Q61A0432	28	
31	19Q61A0433	36	
32	19Q61A0434	28	
33	19Q61A0435	27	
34	19Q61A0436	26	
35	19Q61A0437	27	
36	19Q61A0438	34	
37	19Q61A0439	26	
38	19Q61A0440	35	
39	19Q61A0441	36	

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40	19Q61A0442	40
41	19Q61A0443	32
42	19Q61A0444	26
43	19Q61A0445	34
44	19Q61A0446	28
45	19Q61A0447	48
46	19Q61A0448	40
47	19Q61A0449	26
48	19Q61A0450	46
49	19Q61A0452	50
50	19Q61A0453	31
51	19Q61A0454	10
52	19Q61A0455	39
53	19Q61A0457	1
54	19Q61A0458	26
55	19Q61A0459	39
56	19Q61A0460	13
57	19Q61A0461	12
58	19Q61A0463	38
59	19Q61A0464	30
60	19Q61A0465	32
61	19Q61A0466	5
62	19Q61A0468	43
63	19Q61A0469	33
64	19Q61A0470	35
65	19Q61A0472	32
66	19Q61A0473	26
67	19Q61A0474	53
68	19Q61A0475	26
69	19Q61A0477	28
70	19Q61A0478	35
71	19Q61A0479	27
72	19Q61A0480	31
73	19Q61A0481	30
74	20Q65A0401	29
75	20Q65A0404	38
76	20Q65A0405	40
77	20Q65A0406	48
78	20Q65A0407	44
79	20Q65A0408	43
80	20Q65A0409	42
81	20Q65A0410	42
82	20Q65A0411	13
83	20Q65A0412	36
84	20Q65A0413	38
85	20Q65A0414	34
86	20Q65A0415	33
87	20Q65A0416	31
88	20Q65A0418	26
89	20Q65A0419	28
90	20Q65A0420	30
91	20Q65A0421	26
92	20Q65A0422	15



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93	20Q65A0423	26
94	20Q65A0424	26
95	20Q65A0425	27
96	20Q65A0426	16
97	20Q65A0427	28
98	20Q65A0428	26
99	20Q65A0429	41
100	20Q65A0430	27
101	20Q65A0431	30

No. of students who attempted the subject	112
Max. Marks	75
No. of students secured > 26 marks	103
Percentage of students secured > 26 marks	91.9
Overall External Attainment level	3

Attainment table	
50-60%	1
60-70%	2
70-80%	3



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Department:	ELECTRONICS AND COMMUNICATION ENGINEERING				
Course Outcomes	1st Internal Exam	2nd Internal Exam	Internal Exam(Avg.)	University Exam	Overall Attainment
Course outcome - 1	3	-	3	3	3
Course outcome - 2	3	-	3	3	3
Course outcome - 3	3	3	3	3	3
Course outcome - 4	-	3	3	3	3
Course outcome - 5	-	3	3	3	3
Average			3	3	3

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COURSE OUTCOMES

Course Outcomes														
CO1	Expected to understand SOC Architectural features.													
CO2	To acquire the knowledge on processor selection criteria and limitations.													
CO3	To acquires the knowledge of memory architectures on SOC.													
CO4	To understands the interconnection strategies and their customization on SOC.													
CO-PO Mapping														
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2	2		2	1							2	3	3
CO2	3	2	2			2							3	
CO3	2	2	2		2	2								2
CO4		2	2	2	2						2	2	3	
CO5	2	2	2	2	2						2	1		2
CO avg(M)	2.5	2	2	2	2	2					2	2	3	2.5

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