



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

SUBJECT	DSDV	SUBJECT CODE	21EC32
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COURSE OUTCOME

CO 1. To impart the concepts of simplifying Boolean expression using K-map techniques and Quine-McCluskey minimization techniques.

CO 2. To impart the concepts of designing and analyzing combinational logic circuits.

CO 3. To impart design methods and analysis of sequential logic circuits.

CO 4. To impart the concepts of Verilog HDL-data flow and behavioral models for the design of digital systems.

PROGRAM OUTCOMES

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

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

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

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

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

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

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

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

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

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

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

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

COLLEGE	SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY											
FACULTY NAME	PROF. RAGHAVENDRA D											
BRANCH	ECE			ACADEMIC YEAR				2022-23				
COURSE	B.E	SEMESTER			III	SECTION			ECE			
SUBJECT	DSDV					SUBJECT CODE			21EC32			
CO & PO MAPPING												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	2	-	-								
CO2	2	3	-	2								
CO3	-	2	-	2								
CO4	2	-	-	-								
AVERAGE	2	2.5	-	2								
OVERALL MAPPING OF SUBJECT												2.325

CO AND PO ATTAINMENT

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	75.75	1.5	1.5	-	-								
CO2	68.35	1.3	2.0	-	1.3								
CO3	68.35	-	1.3	-	1.3								
CO4	67.21	1.3	-	-	-								
AVERAGE	63.7	1.3	1.2	-	1.3								
FINAL ATTAINMENT LEVEL													1.3

Raghavendra D
 COURSE INSTRUCTOR

A.S
 HOD
 HOD
 Dept of E&C
 SIET, Tumkur-6

Roll No.	USN	Name	21EG22			2022-2023 ODD			SEM. III SEM			PROF. RAGHAVENDRA D			DSDV			SEE MARKS			Final			TOTAL AVERAGE				
			T1(20)	T2(20)	T3(20)	T4(20)	C01-20	C02-20	C03-20	C04-20	C05-20	C06-20	C01-6	C02-6	C03-6	C04-6	C05-6	50	C01-10	C02-10	C03-10	C04-10	C05-10		C06-10	C01-26	C02-26	C03-26
1	ISV21EC001	ABHISHEK H K	19	14	14	19	7	7	7	7	6	6	6	6	6	11	2.2	4.2	4.2	4.2	4.2	4.2	27.2	17.2	17.2	17.2	17.2	19.2
2	ISV21EC002	ASHWIMIR	20	20	14	20	10	10	7	7	6	6	6	6	6	37	7.4	4.2	4.2	4.2	4.2	4.2	33.4	20.2	20.2	17.2	17.2	20.42
3	ISV21EC003	BHAVANA M S	20	20	19	20	10	10	9.5	9.5	6	6	6	6	6	41	8.2	4.2	4.2	4.2	4.2	4.2	34.2	20.2	20.2	19.7	19.7	22.22
4	ISV21EC004	DASARI SAI CHAGAN	18	13	19	18	6.5	6.5	9.5	9.5	6	6	6	6	6	5	1	4.2	4.2	4.2	4.2	4.2	25	16.7	16.7	19.7	19.7	21.18
5	ISV21EC005	DEVASHREE S S	16	14	17	16	7	7	8.5	8.5	6	6	6	6	6	14	2.8	4.2	4.2	4.2	4.2	4.2	24.8	17.2	17.2	18.7	18.7	19.44
6	ISV21EC006	GAGAN KUMARN	17	11	13	17	5.5	5.5	6.5	6.5	6	6	6	6	6	29	5.8	4.2	4.2	4.2	4.2	4.2	28.8	15.7	15.7	16.7	16.7	19.02
7	ISV21EC007	SAWTHAMI R I	20	15	19	20	7.5	7.5	9.5	9.5	6	6	6	6	6	15	3	4.2	4.2	4.2	4.2	4.2	29	17.7	17.7	19.7	19.7	19.74
8	ISV21EC008	HANSADEVI T D	20	17	14	20	8.5	8.5	7	7	6	6	6	6	6	18	3.6	4.2	4.2	4.2	4.2	4.2	29.6	18.7	18.7	17.2	17.2	20.52
9	ISV21EC009	HAISHITHA T	17	20	17	17	10	10	8.5	8.5	6	6	6	6	6	28	5.6	4.2	4.2	4.2	4.2	4.2	28.6	20.2	20.2	18.7	18.7	20.78
10	ISV21EC010	KAHYA S M	20	20	17	20	10	10	8.5	8.5	6	6	6	6	6	23	4.6	4.2	4.2	4.2	4.2	4.2	30.6	20.2	20.2	18.7	18.7	21.48
11	ISV21EC011	KHEEJI KOTEPPI DUDAMANI	14	20	0	14	10	10	0	0	6	6	6	6	6	24	4.8	4.2	4.2	4.2	4.2	4.2	24.8	20.2	20.2	10.2	10.2	19.4
12	ISV21EC012	UCKISHI D	5	9	18	5	4.5	4.5	9	9	6	6	6	6	6	2	0.4	4.2	4.2	4.2	4.2	4.2	11.4	14.7	14.7	19.2	19.2	16.48
13	ISV21EC013	M VEDA	20	19	17	20	9.5	9.5	8.5	8.5	6	6	6	6	6	22	4.4	4.2	4.2	4.2	4.2	4.2	30.4	19.7	19.7	18.7	18.7	18.64
14	ISV21EC014	MAMATHA N	20	15	17	20	7.5	7.5	8.5	8.5	6	6	6	6	6	18	3.6	4.2	4.2	4.2	4.2	4.2	29.6	17.7	17.7	18.7	18.7	20.96
15	ISV21EC015	MEGHANA M P	20	20	15	20	10	10	7.5	7.5	6	6	6	6	6	30	6	4.2	4.2	4.2	4.2	4.2	32	20.2	20.2	17.7	17.7	21.02
16	ISV21EC016	MOHAMMED SAAD SIDDIQ	20	17	20	20	8.5	8.5	10	10	6	6	6	6	6	18	3.6	4.2	4.2	4.2	4.2	4.2	29.6	18.7	18.7	20.2	20.2	21.52
17	ISV21EC017	MOHAN K R	0	5	0	0	2.5	2.5	0	0	6	6	6	6	6	11	2.2	4.2	4.2	4.2	4.2	4.2	8.2	12.7	12.7	10.2	10.2	16.14
18	ISV21EC018	MONIKA K R	18	16	0	18	8	8	0	0	6	6	6	6	6	18	3.6	4.2	4.2	4.2	4.2	4.2	27.6	18.2	18.2	10.2	10.2	13.84
19	ISV21EC019	NANDAN KUMAR T	20	20	20	20	10	10	10	10	6	6	6	6	6	34	6.8	4.2	4.2	4.2	4.2	4.2	32.8	20.2	20.2	20.2	20.2	19.8
20	ISV21EC020	NANDINI T	20	18	18	20	9	9	9	9	6	6	6	6	6	26	5.2	4.2	4.2	4.2	4.2	4.2	31.2	19.2	19.2	19.2	19.2	22.16
21	ISV21EC021	NAVANA K J	9	4	18	9	2	2	9	9	6	6	6	6	6	12	2.4	4.2	4.2	4.2	4.2	4.2	17.4	12.2	12.2	19.2	19.2	18.82
22	ISV21EC022	NETHRAVATHI S V	17	11	6	17	5.5	5.5	3	3	6	6	6	6	6	5	1	4.2	4.2	4.2	4.2	4.2	24	15.7	15.7	13.2	13.2	16.2
23	ISV21EC023	NHARAKA S	18	18	18	18	9	9	9	9	6	6	6	6	6	31	6.2	4.2	4.2	4.2	4.2	4.2	30.2	19.2	19.2	19.2	19.2	18.88
24	ISV19EC027	POOJASHREE V	20	20	18	20	10	10	9	9	6	6	6	6	6	34	6.8	4.2	4.2	4.2	4.2	4.2	32.8	20.2	20.2	19.2	19.2	21.86
25	ISV19EC028	R.F. HAISHITHI PATIL	20	17	17	20	8.5	8.5	8.5	8.5	6	6	6	6	6	27	5.4	4.2	4.2	4.2	4.2	4.2	31.4	18.7	18.7	18.7	18.7	21.78
26	ISV19EC029	BASAVAREDDY	17	9	14	17	4.5	4.5	7	7	6	6	6	6	6	18	3.6	4.2	4.2	4.2	4.2	4.2	26.6	14.7	14.7	17.2	17.2	19.66
27	ISV21EC024	SANJANA J	8	6	11	20	3	3	5.5	5.5	6	6	6	6	6	4	0.8	4.2	4.2	4.2	4.2	4.2	26.8	13.2	13.2	15.7	15.7	17.5
28	ISV21EC025	SHARATH KUMAR C N	8	3	7	19	1.5	1.5	3.5	3.5	6	6	6	6	6	1	0.2	4.2	4.2	4.2	4.2	4.2	25.2	11.7	11.7	13.7	13.7	16.06
29	ISV21EC027	SHORHAGAI H L	19	18	17	18	9	9	8.5	8.5	6	6	6	6	6	21	4.2	4.2	4.2	4.2	4.2	28.2	19.2	19.2	18.7	18.7	18	
30	ISV21EC028	SURETH K U	17	14	13	20	7	7	6.5	6.5	6	6	6	6	6	18	3.6	4.2	4.2	4.2	4.2	29.6	17.2	17.2	16.7	16.7	20.14	
31	ISV21EC029	SYED AYAZ	5	6	7	18	3	3	3.5	3.5	6	6	6	6	6	1	0.2	4.2	4.2	4.2	4.2	4.2	24.2	13.2	13.2	13.7	13.7	17.54
32	ISV21EC030	THANUJA	18	20	20	18	10	10	10	10	6	6	6	6	6	33	6.6	4.2	4.2	4.2	4.2	4.2	30.6	20.2	20.2	20.2	20.2	18.94
33	ISV21EC031	USHA R	19	17	14	18	8.5	8.5	7	7	6	6	6	6	6	28	5.6	4.2	4.2	4.2	4.2	4.2	29.6	18.7	18.7	17.2	17.2	21.28
34	ISV21EC032	VAISHNAVI C T	15	18	17	19	9	9	8.5	8.5	6	6	6	6	6	18	3.6	4.2	4.2	4.2	4.2	4.2	28.6	19.2	19.2	18.7	18.7	20.58
35	ISV22EC-400	JYOTHI N	17	14	11	16	7	7	5.5	5.5	6	6	6	6	6	7	1.4	4.2	4.2	4.2	4.2	4.2	23.4	17.2	17.2	15.7	15.7	19.36
36	ISV22EC-401	PRIYANKA N	8	15	14	14	7.5	7.5	7	7	6	6	6	6	6	31	6.2	4.2	4.2	4.2	4.2	4.2	26.2	17.7	17.7	17.2	17.2	18.77818
37	ISV22EC-402	SHASHANK P	8	14	13	12	7	7	6.5	6.5	6	6	6	6	6	5	1	4.2	4.2	4.2	4.2	4.2	19	17.2	17.2	16.7	16.7	18.28
38	ISV22EC-403	SHIVARAM H	19	15	13	14	7.5	7.5	6.5	6.5	6	6	6	6	6	9	1.8	4.2	4.2	4.2	4.2	4.2	21.8	17.7	17.7	16.7	16.7	17.74
39	ISV22EC-404	C.K. Pushpalatha	17	18	18	20	9	9	9	9	6	6	6	6	6	18	3.6	4.2	4.2	4.2	4.2	4.2	29.6	19.2	19.2	19.2	19.2	19.7
40	ISV22EC-405	JAMUNA S	5	18	19	20	9	9	9.5	9.5	6	6	6	6	6	18	3.6	4.2	4.2	4.2	4.2	4.2	29.6	19.2	19.2	19.7	19.7	21.38
41	ISV22EC-406	NIJEDITHAN	18	18	18	20	9	9	9	9	6	6	6	6	6	13	2.6	4.2	4.2	4.2	4.2	4.2	28.6	19.2	19.2	19.2	19.2	21.28
42	ISV22EC-407	PREETHA	19	20	20	20	10	10	10	10	6	6	6	6	6	36	7.2	4.2	4.2	4.2	4.2	4.2	33.2	20.2	20.2	20.2	20.2	22.8
											75.75%			68.35%			67.21%			67.21%			67.21%					

HOD
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SLET, Tumkur-6

HOD

SLET, Tumkur.

PRINCIPAL

COURSE INSTRUCTOR
Raghuveer



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

SUBJECT	BASIC SIGNAL PROCESSING	SUBJECT CODE	21EC33
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COURSE OUTCOME

CO 1. To prepare students with fundamental knowledge/ overview in the field of Signal Processing with Familiarization with the concept of Vector spaces and orthogonality with a qualitative insight into applications in communications.

CO 2 . To equip students with a basic foundation of Signal Processing by delivering the basics of quantitative parameters for Matrices & Linear Transformations, the mathematical description of discrete time signals and systems, analyzing the signals in time domain using convolution sum, classifying signals into different categories based on their properties, analyzing Linear Time Invariant (LTI) systems in time and transform domains.

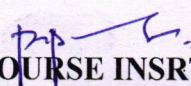
PROGRAM OUTCOMES

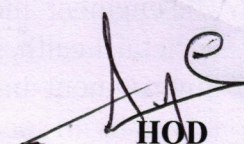
- P01** Engineering knowledge: An ability to apply knowledge of mathematics (including probability, statistics and discrete mathematics), science, and engineering for solving Engineering problems and Knowledge.
- P02** Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- P03** Design / development of solutions: An ability to design solution for engineering problems and design system components or process to meet desired specifications and needs.
- P04** Conduct investigations of complex Problem: An ability to identify, formulate, comprehend, analyze, design synthesis of the information to solve complex engineering problems and provide valid conclusions.
- P05** Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling to complex engineering activities.
- P06** The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues.
- P07** Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- P08** Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- P09** Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- P010** Communication: Communicate effectively on complex engineering activities with the engineering community and with the society.
- P011** Project management and finance: An ability to use the modern engineering tools, techniques, skills and management principles to do work as a member and leader in a team, to manage projects in multidisciplinary environments.
- P012** Life-long learning: A recognition of the need for, and an ability to engage in, to resolve contemporary issues and acquire lifelong learning.

COLLEGE	SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY											
FACULTY NAME	Prof. PRADEEP KUMAR S S											
BRANCH	ECE			ACADEMIC YEAR				2022-23				
COURSE	B.E	SEMESTER		III	SECTION			ECE				
SUBJECT	BASIC SIGNAL PROCESSING					SUBJECT CODE		21EC33				
CO & PO MAPPING												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	2	-	-								
CO2	2	3	-	-								
AVERAGE	2	2.6		2								
OVERALL MAPPING OF SUBJECT												2.2

CO AND PO ATTAINMENT

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	60.68	1.2	1.2	-	-								
CO2	63.68	1.2	1.9	-	-								
AVERAGE	70.80	1.2	1.5										
FINAL ATTAINMENT LEVEL													1.3


COURSE INSTRUCTOR


HOD

HOD
Dept of E&C
SIET, Tumkur-6

Roll No.	USN	Name	21EC33			2022-2023 ODD			SEM :I:ISEM		PROF.PRADEEPKUMAR S S			BASIC SIGNAL PROCESSING			SEE MARKS					Final					TOTAL AVERAGE																		
			T1(20)	T2(20)	T3(20)	CO1-20	CO2-10	CO3-10	CO4-10	CO5-10	CO1-6	CO2-6	CO3-6	CO4-6	CO5-6	50	CO1-10	CO2-10	CO3-10	CO4-10	CO5-10	CO1-36	CO2-26	CO3-26	CO4-26	CO5-26																			
			ASSIGNMENT and Quiz 30/5																																										
1	ISV21EC001	ARHSHEK H K	16	11	16	16	5.5	5.5	8	8	6	6	6	6	6	18	3.6	4.2	4.2	4.2	4.2	25.6	15.7	15.7	18.2	18.2	18.68																		
2	ISV21EC002	ASHWINI R	20	20	18	20	10	10	9	9	6	6	6	6	6	45	9	4.2	4.2	4.2	4.2	35	20.2	20.2	19.2	19.2	20.72																		
3	ISV21EC003	BHAVANA MS	19	20	19	19	10	10	9.5	9.5	6	6	6	6	6	28	5.6	4.2	4.2	4.2	4.2	30.6	20.2	20.2	19.7	19.7	22.42																		
4	ISV21EC004	DASARI SAI CHARAN	5	4	18	5	2	2	9	9	6	6	6	6	6	7	1.4	4.2	4.2	4.2	4.2	12.4	12.2	12.2	19.2	19.2	18.56																		
5	ISV21EC005	DIVYASHREE S S	9	9	20	9	4.5	4.5	10	10	6	6	6	6	6	7	1.4	4.2	4.2	4.2	4.2	16.4	14.7	14.7	20.2	20.2	16.14																		
6	ISV21EC006	GAGAN KUMAR N	6	1	19	6	0.5	0.5	9.5	9.5	6	6	6	6	6	22	4.4	4.2	4.2	4.2	4.2	16.4	10.7	10.7	19.7	19.7	16.34																		
7	ISV21EC007	GOWTHAMI B L	9	9	19	9	4.5	4.5	9.5	9.5	6	6	6	6	6	9	1.8	4.2	4.2	4.2	4.2	16.8	14.7	14.7	19.7	19.7	16.28																		
8	ISV21EC008	HAMSAVENI T D	20	19	18	20	9.5	9.5	9	9	6	6	6	6	6	20	4	4.2	4.2	4.2	4.2	30	19.7	19.7	19.2	19.2	19.34																		
9	ISV21EC009	HAIRSHITHA T	14	17	18	14	8.5	8.5	9	9	6	6	6	6	6	23	4.6	4.2	4.2	4.2	4.2	24.6	18.7	18.7	19.2	19.2	20.82																		
10	ISV21EC010	KAVYA S M	15	17	18	15	8.5	8.5	9	9	6	6	6	6	6	13	2.6	4.2	4.2	4.2	4.2	23.6	18.7	18.7	19.2	19.2	19.98																		
11	ISV21EC011	KEERTI KOTEPPI DODAMANI	7	20	18	7	10	10	9	9	6	6	6	6	6	18	3.6	4.2	4.2	4.2	4.2	16.6	20.2	20.2	19.2	19.2	19.48																		
12	ISV21EC012	LOKESH D	10	0	19	10	0	0	9.5	9.5	6	6	6	6	6	9	1.8	4.2	4.2	4.2	4.2	17.8	10.2	10.2	19.7	19.7	17.3																		
13	ISV21EC013	M VEDA	16	17	17	16	8.5	8.5	8.5	8.5	6	6	6	6	6	27	5.4	4.2	4.2	4.2	4.2	27.4	18.7	18.7	18.7	18.7	17.98																		
14	ISV21EC014	MAMATHA N	15	17	20	15	8.5	8.5	10	10	6	6	6	6	6	31	6.2	4.2	4.2	4.2	4.2	27.2	18.7	18.7	20.2	20.2	20.72																		
15	ISV21EC015	MEGHANA M P	19	19	17	19	9.5	9.5	8.5	8.5	6	6	6	6	6	32	6.4	4.2	4.2	4.2	4.2	31.4	19.7	19.7	18.7	18.7	21.32																		
16	ISV21EC016	MOHAMMED SAAD SIDDIQ	10	5	20	10	2.5	2.5	10	10	6	6	6	6	6	11	2.2	4.2	4.2	4.2	4.2	18.2	12.7	12.7	20.2	20.2	19.22																		
17	ISV21EC017	MOHAN K R	9	1	18	9	0.5	0.5	9	9	6	6	6	6	6	13	2.6	4.2	4.2	4.2	4.2	17.6	10.7	10.7	19.2	19.2	16.14																		
18	ISV21EC018	MONIKA K R	13	15	17	13	7.5	7.5	8.5	8.5	6	6	6	6	6	21	4.2	4.2	4.2	4.2	4.2	23.2	17.7	17.7	18.7	18.7	17.34																		
19	ISV21EC019	NANDAN KUMAR T	18	20	20	18	10	10	10	10	6	6	6	6	6	18	3.6	4.2	4.2	4.2	4.2	27.6	20.2	20.2	20.2	20.2	20.44																		
20	ISV21EC020	NANDINI T	7	16	18	7	8	8	9	9	6	6	6	6	6	21	4.2	4.2	4.2	4.2	4.2	17.2	18.2	18.2	19.2	19.2	20.04																		
21	ISV21EC021	NAVEENA K J	5	0	17	5	0	0	8.5	8.5	6	6	6	6	6	5	1	4.2	4.2	4.2	4.2	12	10.2	10.2	18.7	18.7	16.18																		
22	ISV21EC022	NETHRAVATHI S V	9	4	20	9	2	2	10	10	6	6	6	6	6	10	2	4.2	4.2	4.2	4.2	17	12.2	12.2	20.2	20.2	15.16																		
23	ISV21EC023	NIHARIKA S	14	19	19	14	9.5	9.5	9.5	9.5	6	6	6	6	6	18	3.6	4.2	4.2	4.2	4.2	23.6	19.7	19.7	19.7	19.7	18.42																		
24	ISV19EC027	POOJASHREE V	15	14	18	15	7	7	9	9	6	6	6	6	6	20	4	4.2	4.2	4.2	4.2	25	17.2	17.2	19.2	19.2	20.02																		
25	ISV19EC028	R.P. HARSHITH PATIL	12	11	18	12	5.5	5.5	9	9	6	6	6	6	6	10	2	4.2	4.2	4.2	4.2	20	15.7	15.7	19.2	19.2	18.76																		
26	ISV19EC029	SANGEETHA BASAVAREDDY	12	17	16	12	8.5	8.5	8	8	6	6	6	6	6	18	3.6	4.2	4.2	4.2	4.2	21.6	18.7	18.7	18.2	18.2	18.52																		
27	ISV21EC024	SANJANA N J	3	8	13	3	4	4	6.5	6.5	6	6	6	6	6	9	1.8	4.2	4.2	4.2	4.2	10.8	14.2	14.2	16.7	16.7	16.8																		
28	ISV21EC025	SHARATH KUMAR C. N	5	0		5	0	0	3.5	3.5	6	6	6	6	6	6	1.2	4.2	4.2	4.2	4.2	12.2	10.2	10.2	13.7	13.7	13.26																		
29	ISV21EC027	SHOBHARAJ H L	14	9	10	14	4.5	4.5	5	5	6	6	6	6	6	22	4.4	4.2	4.2	4.2	4.2	24.4	14.7	14.7	15.2	15.2	14.42																		
30	ISV21EC028	SUPRITH K U	10	0	11	10	0	0	5.5	5.5	6	6	6	6	6	9	1.8	4.2	4.2	4.2	4.2	17.8	10.2	10.2	15.7	15.7	15.38																		
31	ISV21EC029	SYED AYAZ	0	5	10	0	2.5	2.5	5	5	6	6	6	6	6	0	0	4.2	4.2	4.2	4.2	6	12.7	12.7	15.2	15.2	13.14																		
32	ISV21EC030	THANUJA	13	17	20	13	8.5	8.5	10	10	6	6	6	6	6	18	3.6	4.2	4.2	4.2	4.2	22.6	18.7	18.7	20.2	20.2	16.22																		
33	ISV21EC031	USHA R	14	20	19	14	10	10	9.5	9.5	6	6	6	6	6	18	3.6	4.2	4.2	4.2	4.2	23.6	20.2	20.2	19.7	19.7	20.38																		
34	ISV21EC032	VAISHNAVI C T	12	18	17	12	9	9	8.5	8.5	6	6	6	6	6	12	2.4	4.2	4.2	4.2	4.2	20.4	19.2	19.2	18.7	18.7	19.96																		
35	ISV22EC400	JYOTHI N	20	13	11	20	6.5	6.5	5.5	5.5	6	6	6	6	6	11	2.2	4.2	4.2	4.2	4.2	28.2	16.7	16.7	15.7	15.7	18.92																		
36	ISV22EC401	PRIYANKA N	18	18	19	18	9	9	9.5	9.5	6	6	6	6	6	7	1.4	4.2	4.2	4.2	4.2	25.4	19.2	19.2	19.7	19.7	17.08727																		
37	ISV22EC402	SHASHANK P	15	15	17	15	7.5	7.5	8.5	8.5	6	6	6	6	6	2	0.4	4.2	4.2	4.2	4.2	21.4	17.7	17.7	18.7	18.7	19.74																		
38	ISV22EC403	SHIVARAJ M H	12	12	11	12	6	6	5.5	5.5	6	6	6	6	6	4	0.8	4.2	4.2	4.2	4.2	18.8	16.2	16.2	15.7	15.7	17.68																		
39	ISV22EC404	Pushpalatha	15	18	19	15	9	9	9.5	9.5	6	6	6	6	6	9	1.8	4.2	4.2	4.2	4.2	22.8	19.2	19.2	19.7	19.7	18.32																		
40	ISV22EC405	JAMUNA S	17	20	20	17	10	10	10	10	6	6	6	6	6	9	1.8	4.2	4.2	4.2	4.2	24.8	20.2	20.2	20.2	20.2	20.62																		
41	ISV22EC406	NIVEDITHA N	18	19	18	18	9.5	9.5	9	9	6	6	6	6	6	7	1.4	4.2	4.2	4.2	4.2	25.4	19.7	19.7	19.2	19.2	20.88																		
42	ISV22EC407	PREETHI A	19	20	20	19	10	10	10	10	6	6	6	6	6	20	4	4.2	4.2	4.2	4.2	29	20.2	20.2	20.2	20.2	21.96																		
																					21.62857					16.55714					16.55714					18.73571					18.73571				
																					60.08%					63.68%					63.68%					72.06%					72.06%				

COURSE INSTRUCTOR

HOD
 Dept of E&C
 SIET, Tumkur-6

PRINCIPAL



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

SUBJECT	ANALOG ELECTRONICS CIRCUITS	SUBJECT CODE	21EC34
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COURSE OUTCOME

- CO 1.** Explain various BJT parameters, connections and configurations.
- CO 2.** Design and demonstrate the diode circuits and transistor amplifiers.
- CO 3.** Explain various types of FET biasing and demonstrate the use of FET amplifiers.
- CO 4.** Analyze Power amplifier circuits in different modes of operation.

PROGRAM OUTCOMES

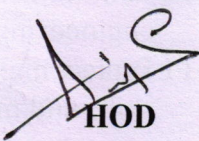
- P01** Engineering knowledge: An ability to apply knowledge of mathematics (including probability, statistics and discrete mathematics), science, and engineering for solving Engineering problems and Knowledge.
- P02** Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- P03** Design / development of solutions: An ability to design solution for engineering problems and design system components or process to meet desired specifications and needs.
- P04** Conduct investigations of complex Problem: An ability to identify, formulate, comprehend, analyze, design synthesis of the information to solve complex engineering problems and provide valid conclusions.
- P05** Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling to complex engineering activities.
- P06** The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues.
- P07** Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- P08** Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- P09** Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- P010** Communication: Communicate effectively on complex engineering activities with the engineering community and with the society.
- P011** Project management and finance: An ability to use the modern engineering tools, techniques, skills and management principles to do work as a member and leader in a team, to manage projects in multidisciplinary environments.
- P012** Life-long learning: A recognition of the need for, and an ability to engage in, to resolve contemporary issues and acquire lifelong learning.

COLLEGE	SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY											
FACULTY NAME	DR.PRADEEP KGM											
BRANCH	ECE			ACADEMIC YEAR				2022-23				
COURSE	B.E	SEMESTER		III	SECTION			ECE				
SUBJECT	ANALOG ELECTRONICS CIRCUITS					SUBJECT CODE			21EC34			
CO & PO MAPPING												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	-	-	2								
CO2	2	3	-	-								
CO3	3	-	-	2								
CO4	-	-	2	-								
AVERAGE	2.3	3	2	2								
OVERALL MAPPING OF SUBJECT												2.325

CO AND PO ATTAINMENT

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	61.47	1.2	-	-	1.2								
CO2	62.63	1.2	1.8	-	-								
CO3	62.63	1.8	-	-	1.2								
CO4	67.66	-	-	1.3	-								
AVERAGE	63.5	1.4	1.8	1.3	1.2								
FINAL ATTAINMENT LEVEL													1.4


COURSE INSTRUCTOR


HOD
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SIET, Tumkur-6

Roll No.	USN	Name	21EC34			2022-2023 ODD			SEM :III SEM		DR. PRADEEP KGM		ANALOG ELECTRONICS CIRCUITS					SEE MARKS					Final					TOTAL AVERAGE
			T1(20)	T2(20)	T3(20)	CO1-20	CO2-10	CO3-10	CO4-10	CO5-10	CO1-6	CO2-6	CO3-6	CO4-6	CO5-6	50	CO1-10	CO2-10	CO3-10	CO4-10	CO5-10	CO1-36	CO2-26	CO3-26	CO4-26	CO5-26		
			ASSIGNMENT and Quiz 30/5																									
1	ISV21EC001	ABHISHEK H K	5	6	14	5	3	3	7	7	6	6	6	6	6	8	1.6	4.2	4.2	4.2	4.2	12.6	13.2	13.2	17.2	17.2	14.68	
2	ISV21EC002	ASHWINI R	20	20	19	20	10	10	9.5	9.5	6	6	6	6	6	29	5.8	4.2	4.2	4.2	4.2	31.8	20.2	20.2	19.7	19.7	18.5	
3	ISV21EC003	BHAVANA M S	20	20	19	20	10	10	9.5	9.5	6	6	6	6	6	24	4.8	4.2	4.2	4.2	4.2	30.8	20.2	20.2	19.7	19.7	22.22	
4	ISV21EC004	DASARI SAI CHARAN	1	0	17	1	0	0	8.5	8.5	6	6	6	6	6	20	4	4.2	4.2	4.2	4.2	11	10.2	10.2	18.7	18.7	17.94	
5	ISV21EC005	DIVYASHREE S S	10	11	13	10	5.5	5.5	6.5	6.5	6	6	6	6	6	27	5.4	4.2	4.2	4.2	4.2	21.4	15.7	15.7	16.7	16.7	15.5	
6	ISV21EC006	GAGAN KUMAR N	18	6	19	18	3	3	9.5	9.5	6	6	6	6	6	18	3.6	4.2	4.2	4.2	4.2	27.6	13.2	13.2	19.7	19.7	17.96	
7	ISV21EC007	GOWTHAMI R L	3	12	14	3	6	6	7	7	6	6	6	6	6	18	3.6	4.2	4.2	4.2	4.2	12.6	16.2	16.2	17.2	17.2	17.28	
8	ISV21EC008	HAMSAVANI T D	18	18	17	18	9	9	8.5	8.5	6	6	6	6	6	22	4.4	4.2	4.2	4.2	4.2	28.4	19.2	19.2	18.7	18.7	18.36	
9	ISV21EC009	HAISHITHA T	18	14	17	18	7	7	8.5	8.5	6	6	6	6	6	21	4.2	4.2	4.2	4.2	4.2	28.2	17.2	17.2	18.7	18.7	20.42	
10	ISV21EC010	KAVYA S M	16	19	0	16	9.5	9.5	0	0	6	6	6	6	6	19	3.8	4.2	4.2	4.2	4.2	25.8	19.7	19.7	10.2	10.2	18.56	
11	ISV21EC011	KEERTI KOTEPPE DODAMANI	18	17	18	18																28.2	18.7	18.7	19.2	19.2	18.96	
12	ISV21EC012	LOKESH D	9	16	17	9	8	8	8.5	8.5	6	6	6	6	6	24	4.8	4.2	4.2	4.2	4.2	19.8	18.2	18.2	18.7	18.7	19.76	
13	ISV21EC013	M VEDA	14	17	17	14	8.5	8.5	8.5	8.5	6	6	6	6	6	27	5.4	4.2	4.2	4.2	4.2	25.4	18.7	18.7	18.7	18.7	19.38	
14	ISV21EC014	MAMATHA N	12	10	15	12	5	5	7.5	7.5	6	6	6	6	6	18	3.6	4.2	4.2	4.2	4.2	21.6	15.2	15.2	17.7	17.7	18.76	
15	ISV21EC015	MEGHANA M P	19	18	20	19	9	9	10	10	6	6	6	6	6	34	6.8	4.2	4.2	4.2	4.2	31.8	19.2	19.2	20.2	20.2	19.8	
16	ISV21EC016	MOHAMMED SAAD SIDDIQ	8	3	0	8	1.5	1.5	0	0	6	6	6	6	6	12	2.4	4.2	4.2	4.2	4.2	16.4	11.7	11.7	10.2	10.2	17.08	
17	ISV21EC017	MOHAN K. R	0	2	0	0	1	1	0	0	6	6	6	6	6	4	0.8	4.2	4.2	4.2	4.2	6.8	11.2	11.2	10.2	10.2	10.98	
18	ISV21EC018	MONIKA K. R	17	11	20	17	5.5	5.5	10	10	6	6	6	6	6	26	5.2	4.2	4.2	4.2	4.2	28.2	15.7	15.7	20.2	20.2	14.96	
19	ISV21EC019	NANDAN KUMAR T	20	18	18	20	9	9	9	9	6	6	6	6	6	33	6.6	4.2	4.2	4.2	4.2	32.6	19.2	19.2	19.2	19.2	20.94	
20	ISV21EC020	NANDINI T	10	12	18	10	6	6	9	9	6	6	6	6	6	18	3.6	4.2	4.2	4.2	4.2	19.6	16.2	16.2	19.2	19.2	19.98	
21	ISV21EC021	NAVEENA K. J	1	5	6	1	2.5	2.5	3	3	6	6	6	6	6	5	1	4.2	4.2	4.2	4.2	8	12.7	12.7	13.2	13.2	15.02	
22	ISV21EC022	NETHRAVATHI S V	8	6	18	8	3	3	9	9	6	6	6	6	6	12	2.4	4.2	4.2	4.2	4.2	16.4	13.2	13.2	19.2	19.2	14.1	
23	ISV21EC023	NIHARIKA S	18	15	18	18	7.5	7.5	9	9	6	6	6	6	6	29	5.8	4.2	4.2	4.2	4.2	29.8	17.7	17.7	19.2	19.2	18.48	
24	ISV19EC027	POOJASHREE V	18	17	17	18	8.5	8.5	8.5	8.5	6	6	6	6	6	25	5	4.2	4.2	4.2	4.2	29	18.7	18.7	18.7	18.7	20.74	
25	ISV19EC028	R.P. HAISHITHI PATIL	2	8	17	2	4	4	8.5	8.5	6	6	6	6	6	7	1.4	4.2	4.2	4.2	4.2	9.4	14.2	14.2	18.7	18.7	17.9	
26	ISV19EC029	SANGEETHA BASAVAREDDY	13	9	16	13	4.5	4.5	8	8	6	6	6	6	6	20	4	4.2	4.2	4.2	4.2	23	14.7	14.7	18.2	18.2	16.4	
27	ISV21EC024	SANJANA N J	0	8	13	0	4	4	6.5	6.5	6	6	6	6	6	3	0.6	4.2	4.2	4.2	4.2	6.6	14.2	14.2	16.7	16.7	15.72	
28	ISV21EC025	SHARATH KUMAR C. N	2	1		2	0.5	0.5	3.5	3.5	6	6	6	6	6	7	1.4	4.2	4.2	4.2	4.2	9.4	10.7	10.7	13.7	13.7	12.66	
29	ISV21EC027	SHOBHARAJ H L	17	17	10	17	8.5	8.5	5	5	6	6	6	6	6	21	4.2	4.2	4.2	4.2	4.2	27.2	18.7	18.7	15.2	15.2	15.32	
30	ISV21EC028	SUPRITH K U	9	8	11	9	4	4	5.5	5.5	6	6	6	6	6	3	0.6	4.2	4.2	4.2	4.2	15.6	14.2	14.2	15.7	15.7	17.04	
31	ISV21EC029	SYED AYAZ	3	3	10	3	1.5	1.5	5	5	6	6	6	6	6	1	0.2	4.2	4.2	4.2	4.2	9.2	11.7	11.7	15.2	15.2	13.84	
32	ISV21EC030	THANUJA	17	14	20	17	7	7	10	10	6	6	6	6	6	23	4.6	4.2	4.2	4.2	4.2	27.6	17.2	17.2	20.2	20.2	16.54	
33	ISV21EC031	USHA R	18	12	19	18	6	6	9.5	9.5	6	6	6	6	6	34	6.8	4.2	4.2	4.2	4.2	30.8	16.2	16.2	19.7	19.7	20.5	
34	ISV21EC032	VARSHNAVI C T	19	16	17	19	8	8	8.5	8.5	6	6	6	6	6	9	1.8	4.2	4.2	4.2	4.2	26.8	18.2	18.2	18.7	18.7	20.32	
35	ISV22EC400	JYOTHI N	13	16	11	13	8	8	5.5	5.5	6	6	6	6	6	5	1	4.2	4.2	4.2	4.2	20	18.2	18.2	15.7	15.7	18.84	
36	ISV22EC401	PRIYANKA. N	13	8	18	13	4	4	9	9	6	6	6	6	6	13	2.6	4.2	4.2	4.2	4.2	21.6	14.2	14.2	19.2	19.2	16.92	
37	ISV22EC402	SHASHANK P	14	12	13	14	6	6	6.5	6.5	6	6	6	6	6	3	0.6	4.2	4.2	4.2	4.2	20.6	16.2	16.2	16.7	16.7	17.48	
38	ISV22EC403	SHIVARAJ M H	14	12	11	14	6	6	5.5	5.5	6	6	6	6	6	1	0.2	4.2	4.2	4.2	4.2	20.2	16.2	16.2	15.7	15.7	17.04	
39	ISV22EC404	C.K Pushpalatha	16	18	19	16	9	9	9.5	9.5	6	6	6	6	6	31	6.2	4.2	4.2	4.2	4.2	28.2	19.2	19.2	19.7	19.7	19	
40	ISV22EC405	JAMUNA S	20	20	20	20	10	10	10	10	6	6	6	6	6	38	7.6	4.2	4.2	4.2	4.2	33.6	20.2	20.2	20.2	20.2	22.04	
41	ISV22EC406	NIVEDITHA N	13	16	18	13	8	8	9	9	6	6	6	6	6	24	4.8	4.2	4.2	4.2	4.2	23.8	18.2	18.2	19.2	19.2	21.3	
42	ISV22EC407	PREETHI A	20	20	20	20	10	10	10	10	6	6	6	6	6	30	6	4.2	4.2	4.2	4.2	32	20.2	20.2	20.2	20.2	22.56	
																						22.12857	16.28333	16.28333	17.59286	17.59286		
																						61.47%	62.63%	62.63%	67.66%	67.66%		

COURSE INSTRUCTOR

HOD

Dept of E&C
SIET, Tumkur-6

PRINCIPAL
SIET, TUMKUR
PRINCIPAL



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

SUBJECT	TECHNOLOGICAL INNOVATION MANAGEMENT AND ENTREPRENEURSHIP	SUBJECT CODE	18ES51
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COURSE OUTCOME

- CO 1. Understand basic skills of Management
- CO 2. Understand the need for Entrepreneurs and their skills
- CO 3. Identify the Management functions and Social responsibilities
- CO 4. Understand the Ideation Process, creation of Business Model, Feasibility Study and sources of funding

PROGRAM OUTCOMES

- P01 Engineering knowledge: An ability to apply knowledge of mathematics (including probability, statistics and discrete mathematics), science, and engineering for solving Engineering problems and Knowledge.
- P02 Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- P03 Design / development of solutions: An ability to design solution for engineering problems and design system components or process to meet desired specifications and needs.
- P04 Conduct investigations of complex Problem: An ability to identify, formulate, comprehend, analyze, design synthesis of the information to solve complex engineering problems and provide valid conclusions.
- P05 Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling to complex engineering activities.
- P06 The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues.
- P07 Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- P08 Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- P09 Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- P010 Communication: Communicate effectively on complex engineering activities with the engineering community and with the society.
- P011 Project management and finance: An ability to use the modern engineering tools, techniques, skills and management principles to do work as a member and leader in a team, to manage projects in multidisciplinary environments.
- P012 Life-long learning: A recognition of the need for, and an ability to engage in, to resolve contemporary issues and acquire lifelong learning.

COLLEGE	SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY											
FACULTY NAME	PROF. BINDU											
BRANCH	ECE			ACADEMIC YEAR				2022-23				
COURSE	B.E	SEMESTER			V	SECTION			ECE			
SUBJECT	TECHNOLOGICAL INNOVATION MANAGEMENT AND ENTREPRENEURSHIP						SUBJECT CODE			18ES51		
CO & PO MAPPING												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	-	2	-								
CO2	2	2	-	-								
CO3	3	-	-	2								
CO4	-	-	3	-								
AVERAGE	2.3	2	2.5	2								
OVERALL MAPPING OF SUBJECT												2.2

CO AND PO ATTAINMENT

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	78.40	1.5	-	1.5	-								
CO2	76.83	1.5	1.5	-	-								
CO3	76.83	2.3	-	-	-								
CO4	73.95	-	-	2.2	1.4								
AVERAGE	76.50	1.7	1.5	1.8	1.4								
FINAL ATTAINMENT LEVEL													1.6


COURSE INSTRUCTOR


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Roll No	USN	Name	18E551			2020-2021 ODD			T2	T3	SEM: V SEM	PROF. BINDU	ASSIGNMENT 10/5					M & E	SEE	SEE MARKS						TOTAL AVERAGE					
			T1(40)	T2(40)	T3(40)	CO1-40	CO2-20	CO3-20					CO4-2	CO5-2	CO1-15	CO2-15	CO3-15			CO4-15	CO5-15	CO1-57	CO2-37	CO3-37	CO4-37		CO5-37				
																												18E551	2020-2021 ODD	T1	T2
1	ISV20EC001	ABHISHEK B	23	29	33	34	14.5	14.5	16.5	16.5	2	2	2	2	2	45	9	9	9	9	9	9	9	9	45	25.5	25.5	27.5	27.5	27.5	30.2
2	ISV20EC002	ANJANA A	11	12	17	0	6	8.5	8.5	2	2	2	2	2	26	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	7.2	13.2	13.2	15.7	15.7	15.7	21.6
3	ISV20EC003	BHUMIKA S	34	37	32	33	18.5	18.5	16	16	2	2	2	2	53	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	45.6	31.1	31.1	28.6	28.6	28.6	23
4	ISV20EC004	CHITRASHREE H K	30	31	22	26	15.5	15.5	11	11	2	2	2	2	42	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	36.4	25.9	25.9	21.4	21.4	21.4	29.6
5	ISV20EC005	DARSHAN M R	29	23	22	20	11.5	11.5	11	11	2	2	2	2	35	7	7	7	7	7	7	7	7	7	29	20.5	20.5	20	20	20	24.1
6	ISV20EC006	GAGANASHREE E H K	37	33	28	36	16.5	16.5	14	14	2	2	2	2	28	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	43.6	24.1	24.1	21.6	21.6	21.6	24.5
7	ISV20EC007	HARSHITH M J	23	23	32	32	11.5	11.5	16	16	2	2	2	2	44	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	42.8	22.3	22.3	26.8	26.8	26.8	27.6
8	ISV20EC008	HARSHITHA S	38	39	39	40	19.5	19.5	19.5	19.5	2	2	2	2	50	10	10	10	10	10	10	10	10	10	52	31.5	31.5	31.5	31.5	31.5	31.9
9	ISV20EC009	IMTIYAZ PASHA	20	31	21	26	15.5	15.5	10.5	10.5	2	2	2	2	24	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	32.8	22.3	22.3	17.3	17.3	17.3	29
10	ISV20EC010	MEGHANA N G	26	30	19	27	15	15	9.5	9.5	2	2	2	2	25	5	5	5	5	5	5	5	5	5	34	22	22	16.5	16.5	16.5	22.3
11	ISV20EC011	MUKTHA H K	38	38	33	40	19	19	16.5	16.5	2	2	2	2	46	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	51.2	30.2	30.2	27.7	27.7	27.7	27.8
12	ISV20EC012	NAGARAJ	12	6	21	6	6	6	6	6	2	2	2	2	9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	40.8	24.8	24.8	25.8	25.8	25.8	28.4
13	ISV20EC013	PRATHIKSHA	28	34	36	33	17	17	18	18	2	2	2	2	29	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	40.8	24.8	24.8	25.8	25.8	25.8	28.4
14	ISV20EC014	R M SUCHITRA	33	20	25	40	10	10	12.5	12.5	2	2	2	2	43	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	50.6	20.6	20.6	23.1	23.1	23.1	28
15	ISV20EC015	RACHANA N	35	37	37	40	18.5	18.5	18.5	18.5	2	2	2	2	51	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	52.2	30.7	30.7	30.7	30.7	30.7	31.3
16	ISV20EC016	S PAVITHRA	33	36	37	40	18	18	18.5	18.5	2	2	2	2	50	10	10	10	10	10	10	10	10	10	52	30	30	30.5	30.5	30.5	34.8
17	ISV20EC017	SHOBHA HUGAR	28	39	29	39	19.5	19.5	14.5	14.5	2	2	2	2	45	9	9	9	9	9	9	9	9	9	50	30.5	30.5	25.5	25.5	25.5	33.5
18	ISV20EC018	YASHAS K R	30	27	21	31	13.5	13.5	10.5	10.5	2	2	2	2	36	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	40.2	22.7	22.7	19.7	19.7	19.7	28.7
19	ISV20EC019	HARSHITHA U	29	30	30	20	15	15	15	15	2	2	2	2	33	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	28.6	23.6	23.6	23.6	23.6	23.6	24.8
20	ISV21EC400	MANOJ	17	14	15	32	7	7	7.5	7.5	2	2	2	2	33	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	40.6	15.6	15.6	16.1	16.1	16.1	22.7
															40.76842	24.58421	24.58421	24.58421	24.58421	24.58421	24.58421	24.58421	24.58421	24.58421	78.40%	76.83%	76.83%	73.95%	73.95%	73.95%	

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 COURSE INSTRUCTOR



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

SUBJECT	DIGITAL SIGNAL PROCESSING	SUBJECT CODE	18EC52
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COURSE OUTCOME

- CO 1.** Understand the frequency domain sampling and reconstruction of discrete time signals.
- CO 2.** Study the properties and the development of efficient algorithms for the computation of DFT.
- CO 3.** Realization of FIR and IIR filters in different structural forms.
- CO 4.** Learn the procedures to design of IIR filters from the analog filters using impulse invariance and bilinear transformation.

PROGRAM OUTCOMES

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

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COLLEGE	SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY											
FACULTY NAME	Dr.PRADEEP KGM											
BRANCH	ECE			ACADEMIC YEAR				2022-23				
COURSE	B.E	SEMESTER			V	SECTION			ECE			
SUBJECT	DIGITAL SIGNAL PROCESSING					SUBJECT CODE			18EC52			
CO & PO MAPPING												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	-	-	2								
CO2	2	-	3	-								
CO3	3	-	-	2								
CO4	-	3	2	-								
AVERAGE	2.3	3	2.5	2								
OVERALL MAPPING OF SUBJECT												2.45

CO AND PO ATTAINMENT

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	69.94	1.3	-	-	1.3								
CO2	66.55	1.3		1.9	-								
CO3	66.55	1.9	-	-	1.3								
CO4	63.17	-	1.8	1.2	-								
AVERAGE	40.698	1.5	1.8	1.5	1.9								
FINAL ATTAINMENT LEVEL													1.0

COURSE INSTRUCTOR

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Roll No.	USN	Name	18EC52			2020-2021 ODD			SEM :V SEM		Dr. PRADEEP KG M					DSP		SEE					SEE MARKS					Final					TOTAL AVERAGE
			T1(40)	T2(40)	T3(40)	T1	T2	T3	CO1-20	CO2-20	CO3-20	CO4-20	CO5-20	CO1-2	CO2-2	CO3-2	CO4-2	CO5-2	60	CO1-15	CO2-15	CO3-15	CO4-15	CO5-15	CO1-57	CO2-37	CO3-37	CO4-37	CO5-37				
1	1SV20EC001	ABHISHEK B	30	17	28	34	8.5	8.5	14	14	2	2	2	2	2	35	7	7	7	7	7	43	17.5	17.5	23	23	24.8						
2	1SV20EC002	ANJANA A	28	18	0	0	9	9	0	0	2	2	2	2	2	0	0	0	0	0	0	2	11	11	2	2	15.2						
3	1SV20EC003	BHUMIKA S	32	32	20	33	16	16	10	10	2	2	2	2	2	24	4.8	4.8	4.8	4.8	4.8	39.8	22.8	22.8	16.8	16.8	14.7						
4	1SV20EC004	CHITRASHREE H K	28	33	32	26	16.5	16.5	16	16	2	2	2	2	2	33	6.6	6.6	6.6	6.6	6.6	34.6	25.1	25.1	24.6	24.6	25.3						
5	1SV20EC005	DARSHAN M R	22	15	10	20	7.5	7.5	5	5	2	2	2	2	2	23	4.6	4.6	4.6	4.6	4.6	26.6	14.1	14.1	11.6	11.6	21.2						
6	1SV20EC006	GAGANASHREE H K	21	28	0	36	14	14	0	0	2	2	2	2	2	15	3	3	3	3	3	41	19	19	5	5	16.7						
7	1SV20EC007	HARSHITH M J	29	37	36	32	18.5	18.5	18	18	2	2	2	2	2	21	4.2	4.2	4.2	4.2	4.2	38.2	24.7	24.7	24.2	24.2	22.5						
8	1SV20EC008	HARSHITHA S	40	35	40	40	17.5	17.5	20	20	2	2	2	2	2	13	2.6	2.6	2.6	2.6	2.6	44.6	22.1	22.1	24.6	24.6	27.4						
9	1SV20EC009	IMTIYAZ PASHA	28	17	18	26	8.5	8.5	9	9	2	2	2	2	2	10	2	2	2	2	2	30	12.5	12.5	13	13	21.9						
10	1SV20EC010	MEGHANA N G	37	19	19	27	9.5	9.5	9.5	9.5	2	2	2	2	2	18	3.6	3.6	3.6	3.6	3.6	32.6	15.1	15.1	15.1	15.1	17.4						
11	1SV20EC011	MUKTHA H K	39	35	37	40	17.5	17.5	18.5	18.5	2	2	2	2	2	30	6	6	6	6	6	48	25.5	25.5	26.5	26.5	24.5						
12	1SV20EC012	NAGARAJ	20	19	9	20	9.5	9.5								4	0.8	0.8	0.8	0.8	0.8												
13	1SV20EC013	PRATHIKSHA	23	25	24	33	12.5	12.5	12	12	2	2	2	2	2	26	5.2	5.2	5.2	5.2	5.2	40.2	19.7	19.7	19.2	19.2	23.6						
14	1SV20EC014	R M SUCHITRA	39	39	40	40	19.5	19.5	20	20	2	2	2	2	2	35	7	7	7	7	7	49	28.5	28.5	29	29	28.2						
15	1SV20EC015	RACHANA N	40	37	38	40	18.5	18.5	19	19	2	2	2	2	2	29	5.8	5.8	5.8	5.8	5.8	47.8	26.3	26.3	26.8	26.8	31.8						
16	1SV20EC016	S PAVITHRA	40	40	40	40	20	20	20	20	2	2	2	2	2	42	8.4	8.4	8.4	8.4	8.4	50.4	30.4	30.4	30.4	30.4	32.6						
17	1SV20EC017	SHOBHA HUGAR	40	36	40	39	18	18	20	20	2	2	2	2	2	27	5.4	5.4	5.4	5.4	5.4	46.4	25.4	25.4	27.4	27.4	32.4						
18	1SV20EC018	YASHAS K R	20	26	28	31	13	13	14	14	2	2	2	2	2	30	6	6	6	6	6	39	21	21	22	22	27.7						
19	1SV20EC019	HARSHITHA U	31	34	35	20	17	17	17.5	17.5	2	2	2	2	2	21	4.2	4.2	4.2	4.2	4.2	26.2	23.2	23.2	23.7	23.7	24.5						
20	1SV21EC400	MANOJ	25	29	26	32	14.5	14.5	13	13	2	2	2	2	2	21	4.2	4.2	4.2	4.2	4.2	38.2	20.7	20.7	19.2	19.2	23.8						
																						37.7684	21.2947	21.2947	20.216	20.216							
																						72.63%	66.55%	66.55%	63.17%	63.17%							

COURSE INSTRUCTOR

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

SUBJECT	PCS	SUBJECT CODE	18EC53
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COURSE OUTCOME

CO 1. Understand and analyse concepts of Analog Modulation schemes viz; AM, FM., Low pass sampling and Quantization as a random process.

CO 2. Understand and analyse concepts digitization of signals viz; sampling, quantizing and encoding.

CO 3. Evolve the concept of SNR in the presence of channel induced noise and study Demodulation of analog modulated signals.

CO 4. Evolve the concept of quantization noise for sampled and encoded signals and study the concepts of reconstruction from these samples at a receiver.

PROGRAM OUTCOMES

P01 Engineering knowledge: An ability to apply knowledge of mathematics (including probability, statistics and discrete mathematics), science, and engineering for solving Engineering problems and Knowledge:

P02 Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

P03 Design / development of solutions: An ability to design solution for engineering problems and design system components or process to meet desired specifications and needs.

P04 Conduct investigations of complex Problem: An ability to identify, formulate, comprehend, analyze, design synthesis of the information to solve complex engineering problems and provide valid conclusions.

P05 Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling to complex engineering activities.

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

P07 Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

P08 Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

P09 Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

P010 Communication: Communicate effectively on complex engineering activities with the engineering community and with the society.

P011 Project management and finance: An ability to use the modern engineering tools, techniques, skills and management principles to do work as a member and leader in a team, to manage projects in multidisciplinary environments.

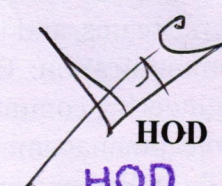
P012 Life-long learning: A recognition of the need for, and an ability to engage in, to resolve contemporary issues and acquire lifelong learning.

COLLEGE		SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY										
FACULTY NAME		PROF. AIJAZ AHAMED SHARIEF										
BRANCH		ECE			ACADEMIC YEAR				2022-23			
COURSE	B.E	SEMESTER			V	SECTION			ECE			
SUBJECT	PCS					SUBJECT CODE			18EC53			
CO & PO MAPPING												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	-	-	3								
CO2	2	3	-	-								
CO3	3	-	-	2								
CO4	-	-	2	-								
AVERAGE	2.3	3	2	2.5								
OVERALL MAPPING OF SUBJECT												2.45

CO AND PO ATTAINMENT

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	73.85	1.47	-	-	-								
CO2	69.34	1.38	2.08	-	-								
CO3	69.34	2.08		-	1.31								
CO4	65.56	-	-	1.31	-								
AVERAGE	69.52	1.64	2.08	1.31	1.31								
FINAL ATTAINMENT LEVEL													1.58


COURSE INSTRUCTOR


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SiET, Tumkur-6



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

SUBJECT	ITC	SUBJECT CODE	18EC54
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COURSE OUTCOME

- CO 1. Understand the concept of Entropy, Rate of information and order of the source with reference to dependent and independent source.
- CO 2. Study various source encoding algorithms
- CO 3. Model discrete & continuous communication channels.
- CO 4. Study various error control coding algorithms.

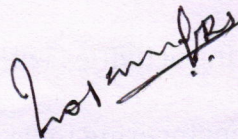
PROGRAM OUTCOMES

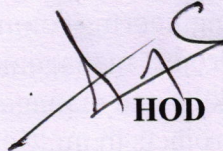
- P01 Engineering knowledge: An ability to apply knowledge of mathematics (including probability, statistics and discrete mathematics), science, and engineering for solving Engineering problems and Knowledge.
- P02 Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- P03 Design / development of solutions: An ability to design solution for engineering problems and design system components or process to meet desired specifications and needs.
- P04 Conduct investigations of complex Problem: An ability to identify, formulate, comprehend, analyze, design synthesis of the information to solve complex engineering problems and provide valid conclusions.
- P05 Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling to complex engineering activities.
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- P07 Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- P08 Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- P09 Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- P010 Communication: Communicate effectively on complex engineering activities with the engineering community and with the society.
- P011 Project management and finance: An ability to use the modern engineering tools, techniques, skills and management principles to do work as a member and leader in a team, to manage projects in multidisciplinary environments.
- P012 Life-long learning: A recognition of the need for, and an ability to engage in, to resolve contemporary issues and acquire lifelong learning.

COLLEGE	SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY											
FACULTY NAME	LOKESH B S											
BRANCH	ECE			ACADEMIC YEAR				2022-23				
COURSE	B.E	SEMESTER			V	SECTION			ECE			
SUBJECT	ITC					SUBJECT CODE			18EC54			
CO & PO MAPPING												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	-	-	2								
CO2	2	3	-	-								
CO3	3	-	2	-								
CO4	-	-	2	-								
AVERAGE	2.3	3	2	2								
OVERALL MAPPING OF SUBJECT												2.325

CO AND PO ATTAINMENT

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	73.10	1.4	-	-	1.4								
CO2	64.34	1.2	1.9	-	-								
CO3	64.34	1.9	-	1.2	-								
CO4	68.37	-	-	1.3	-								
AVERAGE	67.53	1.5	1.9	1.25	1.4								
FINAL ATTAINMENT LEVEL													1.5


COURSE INSTRUCTOR


HOD

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SIET, Tumkur-6

Roll No.	USN	Name	18EC54			2020-2021 ODD					SEM :V SEM		Dr.LOKESH B S		ITC		SEE 60	SEE MARKS					Final					TOTAL AVERAGE		
			T1(40)	T2(40)	T3(40)	T1	T2	T3	CO1-20	CO2-20	CO3-20	CO4-20	CO5-20	CO1-2	CO2-2	CO3-2		CO4-2	CO5-2	15	15	CO3-15	CO4-15	CO5-15	CO1-15	CO2-15	CO3-15		CO4-15	CO5-15
			CO1-40	20	CO3-20	CO4-20	CO5-20	CO1-2	CO2-2	CO3-2	CO4-2	CO5-2	15	15	CO3-15	CO4-15		CO5-15	CO1-15	CO2-15	CO3-15	CO4-15	CO5-15	CO1-15	CO2-15	CO3-15	CO4-15		CO5-15	
1	1SV20EC001	ABHISHEK B	31	30	30	34	15	15	15	15	2	2	2	2	2	23	4.6	4.6	4.6	4.6	4.6	40.6	21.6	21.6	21.6	21.6	25.4			
2	1SV20EC002	ANJANA A	26	5	12	0	2.5	2.5	6	6	2	2	2	2	2	14	2.8	2.8	2.8	2.8	2.8	4.8	7.3	7.3	10.8	10.8	16.8			
3	1SV20EC003	BHUMIKA S	28	24	40	33	12	12	20	20	2	2	2	2	2	11	2.2	2.2	2.2	2.2	2.2	37.2	16.2	16.2	24.2	24.2	15.9			
4	1SV20EC004	CHITRASHREE H K	30	40	40	26	20	20	20	20	2	2	2	2	2	9	1.8	1.8	1.8	1.8	1.8	29.8	23.8	23.8	23.8	23.8	24.3			
5	1SV20EC005	DARSHAN M R	24		20	20	0	0	10	10	2	2	2	2	2	33	6.6	6.6	6.6	6.6	6.6	28.6	8.6	8.6	18.6	18.6	20.8			
6	1SV20EC006	GAGANASHRE E H K	24	22	10	36	11	11	5	5	2	2	2	2	2	10	2	2	2	2	2	40	15	15	9	9	17.1			
7	1SV20EC007	HARSHITH M J	32	29	38	32	14.5	14.5	19	19	2	2	2	2	2	29	5.8	5.8	5.8	5.8	5.8	39.8	22.3	22.3	26.8	26.8	22.6			
8	1SV20EC008	HARSHITHA S	40	40	38	40	20	20	19	19	2	2	2	2	2	41	8.2	8.2	8.2	8.2	8.2	50.2	30.2	30.2	29.2	29.2	30.7			
9	1SV20EC009	IMTIYAZ PASHA	26	20	26	26	10	10	13	13	2	2	2	2	2	2	0.4	0.4	0.4	0.4	0.4	28.4	12.4	12.4	15.4	15.4	25.3			
10	1SV20EC010	MEGHANA N G	30	27	38	27	13.5	13.5	19	19	2	2	2	2	2	12	2.4	2.4	2.4	2.4	2.4	31.4	17.9	17.9	23.4	23.4	19.8			
11	1SV20EC011	MUKTHA H K	40	40	38	40	20	20	19	19	2	2	2	2	2	27	5.4	5.4	5.4	5.4	5.4	47.4	27.4	27.4	26.4	26.4	26.9			
12	1SV20EC012	NAGRAJ	20	-	20										4	0.8	0.8	0.8	0.8	0.8										
13	1SV20EC013	PRATHIKSHA	40	35	30	33	17.5	17.5	15	15	2	2	2	2	2	17	3.4	3.4	3.4	3.4	3.4	38.4	22.9	22.9	20.4	20.4	25			
14	1SV20EC014	R M SUCHITRA	34	40	40	40	20	20	20	20	2	2	2	2	2	39	7.8	7.8	7.8	7.8	7.8	49.8	29.8	29.8	29.8	29.8	29.4			
15	1SV20EC015	RACHANA N	23	38	40	40	19	19	20	20	2	2	2	2	2	35	7	7	7	7	7	49	28	28	29	29	33.2			
16	1SV20EC016	S PAVITHRA	40	40	40	40	20	20	20	20	2	2	2	2	2	41	8.2	8.2	8.2	8.2	8.2	50.2	30.2	30.2	30.2	30.2	33.4			
17	1SV20EC017	SHOBHA HUGAR	36	25	35	39	12.5	12.5	17.5	17.5	2	2	2	2	2	42	8.4	8.4	8.4	8.4	8.4	49.4	22.9	22.9	27.9	27.9	32.2			
18	1SV20EC018	YASHAS K R	38		20	31	0	0	10	10	2	2	2	2	2	31	6.2	6.2	6.2	6.2	6.2	39.2	8.2	8.2	18.2	18.2	24.3			
19	1SV20EC019	HARSHITHA U	36	33	0	20	16.5	16.5	0	0	2	2	2	2	2	36	7.2	7.2	7.2	7.2	7.2	29.2	25.7	25.7	9.2	9.2	19.1			
20	1SV21EC400	MANOJ	28	28	30	32	14	14	15	15	2	2	2	2	2	24	4.8	4.8	4.8	4.8	4.8	38.8	20.8	20.8	21.8	21.8	22.3			
																						38.01053	20.58947	20.58947	21.87895	21.87895				
																						73.10%	64.34%	64.34%	68.37%	68.37%				

COURSE INSTRUCTOR

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

SUBJECT	ELECTROMAGNETIC WAVES	SUBJECT CODE	18EC55
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COURSE OUTCOME

- CO 1.** Write Verilog programs in gate, dataflow (RTL), behavioral and switch modeling levels of Abstraction.
- CO 2.** Understand the applications of Coulomb's law and Gauss law to different charge distributions and the applications of Laplace's and Poisson's Equations to solve real time problems on capacitance of different charge distributions.
- CO 3.** Understand the physical significance of Biot-Savart's, Amperes's Law and Stokes'theorem for different current distributions.
- CO 4.** Know the physical interpretation of Maxwell' equations and applications for Plane waves for their behavior in different media.

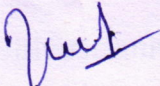
PROGRAM OUTCOMES

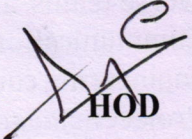
- P01** Engineering knowledge: An ability to apply knowledge of mathematics (including probability, statistics and discrete mathematics), science, and engineering for solving Engineering problems and Knowledge.
- P02** Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- P03** Design / development of solutions: An ability to design solution for engineering problems and design system components or process to meet desired specifications and needs.
- P04** Conduct investigations of complex Problem: An ability to identify, formulate, comprehend, analyze, design synthesis of the information to solve complex engineering problems and provide valid conclusions.
- P05** Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling to complex engineering activities.
- P06** The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues.
- P07** Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- P08** Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- P09** Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- P010** Communication: Communicate effectively on complex engineering activities with the engineering community and with the society.
- P011** Project management and finance: An ability to use the modern engineering tools, techniques, skills and management principles to do work as a member and leader in a team, to manage projects in multidisciplinary environments.
- P012** Life-long learning: A recognition of the need for, and an ability to engage in, to resolve contemporary issues and acquire lifelong learning.

COLLEGE	SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY											
FACULTY NAME	DR.UMESHA G B											
BRANCH	ECE			ACADEMIC YEAR				2022-23				
COURSE	B.E	SEMESTER			V	SECTION			ECE			
SUBJECT	ELECTROMAGNETIC WAVESWAVES					SUBJECT CODE			18EC55			
CO & PO MAPPING												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	-	-	-								
CO2	2	3	-	-								
CO3	2	-	-	2								
CO4	-	-	2	-								
AVERAGE	2	3	2	2								
OVERALL MAPPING OF SUBJECT												2.25

CO AND PO ATTAINMENT

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	70.93	1.4	-	-	-								
CO2	68.31	1.3	2.0	-	-								
CO3	68.31	1.3	-	-	1.3								
CO4	67.98	-	-	1.3	-								
AVERAGE	69.63	1.3	2.0	1.3	1.3								
FINAL ATTAINMENT LEVEL													1.4


COURSE INSTRUCTOR


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SIET, Tumkur-6

Roll No.	USN	Name	18EC55				2020-2021 ODD				T2	SEM V SEM				Dr. UMESHA G B				SEE MARKS				Final	TOTAL AVERAGE			
			T1(40)	T2(40)	T3(40)	T4(40)	T1	CO1-40	CO2-20	CO3-20		CO4-20	CO5-20	CO1-20	CO2-2	CO3-2	CO4-2	CO5-2	SEE	CO1-15	CO2-15	CO3-15	CO4-15			CO5-15	CO1-15	CO2-15
1	ISV2BEC001	ABHISHEK B	38	40	40	34	20	20	20	20	20	2	2	2	2	14	2.8	2.8	2.8	2.8	2.8	2.8	38.8	24.8	24.8	24.8	24.8	27.6
2	ISV2BEC002	ANJANA A	23	26	0	0	13	13	0	0	0	2	2	2	2	3	0.6	0.6	0.6	0.6	0.6	0.6	2.6	15.6	15.6	2.6	2.6	17.7
3	ISV2BEC003	BHUMIKA S	40	40	40	33	15.5	15.5	20	20	20	2	2	2	2	50	10	10	10	10	10	45	27.5	27.5	32	32	20.3	
4	ISV2BEC004	CHITRASHREE H K	40	40	40	26	20	20	20	20	20	2	2	2	2	24	4.8	4.8	4.8	4.8	4.8	32.8	26.8	26.8	26.8	26.8	30.4	
5	ISV2BEC005	DARSHAN M R	36	23	10	20	11.5	11.5	5	5	5	2	2	2	2	6	1.2	1.2	1.2	1.2	1.2	23.2	14.7	14.7	8.2	8.2	20.9	
6	ISV2BEC006	GAGANASHREE H K	20	11	33	36	5.5	5.5	16.5	16.5	2	2	2	2	9	1.8	1.8	1.8	1.8	1.8	39.8	9.3	9.3	20.3	20.3	16.8		
7	ISV2BEC007	HARSHITH M J	34	38	40	32	19	19	20	20	20	2	2	2	2	29	5.8	5.8	5.8	5.8	5.8	39.8	26.8	26.8	27.8	27.8	24.8	
8	ISV2BEC008	HARSHITHA S	40	40	40	40	20	20	20	20	20	2	2	2	2	1	0.2	0.2	0.2	0.2	0.2	42.2	22.2	22.2	22.2	22.2	28	
9	ISV2BEC009	IMTIYAZ PASHA	30	30	20	26	15	15	10	10	10	2	2	2	2	11	2.2	2.2	2.2	2.2	2.2	30.2	19.2	19.2	14.2	14.2	22.8	
10	ISV2BEC010	MEGHANA N G	40	34	10	27	17	17	5	5	5	2	2	2	2	27	5.4	5.4	5.4	5.4	5.4	34.4	24.4	24.4	12.4	12.4	20.5	
11	ISV2BEC011	MUKTHA H K	40	40	40	40	20	20	20	20	20	2	2	2	2	3	0.6	0.6	0.6	0.6	0.6	42.6	22.6	22.6	22.6	22.6	24.1	
12	ISV2BEC012	NAGRAJ	27	-	-	27	0	0	6	6	6	2	2	2	2	11	2.2	2.2	2.2	2.2	2.2	42	14.5	14.5	24	24	23.8	
13	ISV2BEC013	PRATHIKSHA	40	11	30	33	5.5	5.5	15	15	15	2	2	2	2	35	7	7	7	7	7	42	14.5	14.5	24	24	23.8	
14	ISV2BEC014	R M SUCHITRA	40	40	40	40	20	20	20	20	20	2	2	2	2	26	5.2	5.2	5.2	5.2	5.2	47.2	27.2	27.2	27.2	27.2	27.5	
15	ISV2BEC015	BACHANA N	40	40	40	40	20	20	20	20	20	2	2	2	2	35	7	7	7	7	7	49	29	29	29	29	32.1	
16	ISV2BEC016	S PAVITHRA	40	40	40	40	20	20	20	20	20	2	2	2	2	21	4.2	4.2	4.2	4.2	4.2	46.2	26.2	26.2	26.2	26.2	31.6	
17	ISV2BEC017	SHOBHA HUGAR	40	40	40	39	20	20	20	20	20	2	2	2	2	41	8.2	8.2	8.2	8.2	8.2	49.2	30.2	30.2	30.2	30.2	32.1	
18	ISV2BEC018	YASHAS K R	40	31	30	31	15.5	15.5	15	15	15	2	2	2	2	9	1.8	1.8	1.8	1.8	1.8	34.8	19.3	19.3	18.8	18.8	28.1	
19	ISV2BEC019	HARSHITHA U	40	26	40	20	13	13	20	20	20	2	2	2	2	14	2.8	2.8	2.8	2.8	2.8	24.8	17.8	17.8	24.8	24.8	22.1	
20	ISV2BEC020	MANOJ	34	26	30	32	13	13	15	15	15	2	2	2	2	11	2.2	2.2	2.2	2.2	2.2	36.2	17.2	17.2	19.2	19.2	21.9	
																36.88421	21.85789	21.85789	21.85789	21.85789	21.85789	70.93%	68.31%	68.31%	67.98%	67.98%		

PRINCIPAL

Nandha Srinivasan
 PRINCIPAL
 SIET, TUMKUR.

APOD

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 Dept of E&C
 SIET, Tumkur-6

COURSE INSTRUCTOR



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

SUBJECT	HDL	SUBJECT CODE	18EC56
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COURSE OUTCOME

- CO 1. Write Verilog programs in gate, dataflow (RTL), behavioral and switch modeling levels of Abstraction.
- CO 2. Design and verify the functionality of digital circuit/system using test benches.
- CO 3. Identify the suitable Abstraction level for a particular digital design.
- CO 4. Write the programs more effectively using Verilog tasks, functions and directives.
- CO 5. Perform timing and delay Simulation and Interpret the various constructs in logic synthesis.

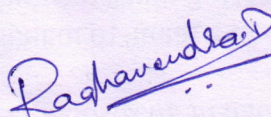
PROGRAM OUTCOMES

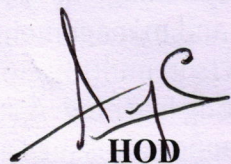
- P01 Engineering knowledge: An ability to apply knowledge of mathematics (including probability, statistics and discrete mathematics), science, and engineering for solving Engineering problems and Knowledge.
- P02 Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- P03 Design / development of solutions: An ability to design solution for engineering problems and design system components or process to meet desired specifications and needs.
- P04 Conduct investigations of complex Problem: An ability to identify, formulate, comprehend, analyze, design synthesis of the information to solve complex engineering problems and provide valid conclusions.
- P05 Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling to complex engineering activities.
- P06 The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues.
- P07 Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- P08 Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- P09 Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- P010 Communication: Communicate effectively on complex engineering activities with the engineering community and with the society.
- P011 Project management and finance: An ability to use the modern engineering tools, techniques, skills and management principles to do work as a member and leader in a team, to manage projects in multidisciplinary environments.
- P012 Life-long learning: A recognition of the need for, and an ability to engage in, to resolve contemporary issues and acquire lifelong learning.

COLLEGE	SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY											
FACULTY NAME	Mr. RAGHAVENDRA D											
BRANCH	ECE			ACADEMIC YEAR				2022-23				
COURSE	B.E	SEMESTER			V	SECTION			ECE			
SUBJECT	VERILOG HDL					SUBJECT CODE			18EC56			
CO & PO MAPPING												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	-	-	-								
CO2	2	3	-	-								
CO3	3	-	-	-								
CO4	-	-	2	-								
CO5	-	-	-	2								
AVERAGE	2.3	3	2	2								
OVERALL MAPPING OF SUBJECT												2.325

CO AND PO ATTAINMENT

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	39.86416	0.8	-	-	-								
CO2	41.46006	0.8	1.24	-	-								
CO3	40.0209	1.2	-	-	-								
CO4	41.90178	-	-	0.838	-								
CO5	40.25601	-	-	-	0.805								
AVERAGE	40.698	1.154	1.24	0.838	0.805								
FINAL ATTAINMENT LEVEL													1.007


 COURSE INSTRUCTOR


 HOD
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 Dept of E&C
 SIET, Tumkur-5

USN	Name	18EC56			2020-2021 ODD					SEM :V SEM					Prof.Raghavendra.D					HDL					TOTAL AVERAGE		
		T1(40)	T2(40)	T3(40)	T1	T2	T3	CO1-20	CO2-20	CO3-20	CO4-20	CO5-20	CO1-2	CO2-2	CO3-2	CO4-2	CO5-2	SEE	ASSIGNMENT 10/5					Final			
		60	CO1-15	CO2-15	CO3-15	CO4-15	CO5-15	CO1-57	CO2-37	CO3-37	CO4-37	CO5-37															
1SV20EC001	ABHISHEK B	26	28	32	34	14	14	16	16	2	2	2	2	2	39	7.8	7.8	7.8	7.8	7.8	43.8	23.8	23.8	25.8	25.8	28.6	
1SV20EC002	ANJANA A	19	32	0	0	16	16	0	0	2	2	2	2	2	6	1.2	1.2	1.2	1.2	1.2	3.2	19.2	19.2	3.2	3.2	19.1	
1SV20EC003	BHUMIKA S	33	40	40	33	20	20	20	20	2	2	2	2	2	39	7.8	7.8	7.8	7.8	7.8	42.8	29.8	29.8	29.8	29.8	21	
1SV20EC004	CHITRASHREE H K	31	34	40	26	17	17	20	20	2	2	2	2	2	27	5.4	5.4	5.4	5.4	5.4	33.4	24.4	24.4	27.4	27.4	29.9	
1SV20EC005	DARSHAN M R	17	32	24	20	16	16	12	12	2	2	2	2	2	34	6.8	6.8	6.8	6.8	6.8	28.8	24.8	24.8	20.8	20.8	25.7	
1SV20EC006	GAGANASHREE H K	36	40	36	36	20	20	18	18	2	2	2	2	2	26	5.2	5.2	5.2	5.2	5.2	43.2	27.2	27.2	25.2	25.2	26.8	
1SV20EC007	HARSHITH M J	28	28	36	32	14	14	18	18	2	2	2	2	2	35	7	7	7	7	7	41	23	23	27	27	28.9	
1SV20EC008	HARSHITHA S	36	40	40	40	20	20	20	20	2	2	2	2	2	48	9.6	9.6	9.6	9.6	9.6	51.6	31.6	31.6	31.6	31.6	31.9	
1SV20EC009	IMTIYAZ PASHA	21	32	28	26	16	16	14	14	2	2	2	2	2	5	1	1	1	1	1	29	19	19	17	17	27.9	
1SV20EC010	MEGHANA N G	20	32	27	27	16	16	13.5	13.5	2	2	2	2	2	29	5.8	5.8	5.8	5.8	5.8	34.8	23.8	23.8	21.3	21.3	22.6	
1SV20EC011	MUKTHA H K	34	34	40	40	17	17	20	20	2	2	2	2	2	36	7.2	7.2	7.2	7.2	7.2	49.2	26.2	26.2	29.2	29.2	28.5	
1SV20EC012	NAGRAJ	15	-	16	27	0	0	6	6	2	2	2	2	2	36	7.2	7.2	7.2	7.2	7.2							
1SV20EC013	PRATHIKSHA	32	40	40	33	20	20	20	20	2	2	2	2	2	36	7.2	7.2	7.2	7.2	7.2							
1SV20EC014	R M SUCHITRA	36	40	40	40	20	20	20	20	2	2	2	2	2	25	5	5	5	5	5	40	27	27	27	27	29.6	
1SV20EC015	RACHANA N	39	40	40	40	20	20	20	20	2	2	2	2	2	40	8	8	8	8	8	50	30	30	30	30	31.8	
1SV20EC016	S PAVITHRA	38	40	40	40	20	20	20	20	2	2	2	2	2	39	7.8	7.8	7.8	7.8	7.8	49.8	29.8	29.8	29.8	29.8	33.9	
1SV20EC017	SHOBHA HUGAR	32	32	34	39	16	16	17	17	2	2	2	2	2	33	6.6	6.6	6.6	6.6	6.6	48.6	28.6	28.6	28.6	28.6	33.2	
1SV20EC018	YASHAS K R	28	34	24	31	17	17	12	12	2	2	2	2	2	37	7.4	7.4	7.4	7.4	7.4	48.4	25.4	25.4	26.4	26.4	31.5	
1SV20EC019	HARSHITHA U	32	35	30	20	17.5	17.5	15	15	2	2	2	2	2	34	6.8	6.8	6.8	6.8	6.8	39.8	25.8	25.8	20.8	20.8	28.5	
1SV21EC400	MANOJ	23	28	32	32	14	14	16	16	2	2	2	2	2	33	6.6	6.6	6.6	6.6	6.6	28.6	26.1	26.1	23.6	23.6	26.1	
					32	14	14	16	16	2	2	2	2	2	23	4.6	4.6	4.6	4.6	4.6	38.6	20.6	20.6	22.6	22.6	25.3	
																						39.18947	25.58421	25.58421	24.58421	24.58421	
																						75.36%	79.95%	79.95%	76.83%	76.83%	

Raghavendra D
COURSE INSTRUCTOR

AR
HOD
Dept of E&C
SIET, Tumkur-6

PRINCIPAL
Manjunath Kumar
PRINCIPAL
SIET, TUMKUR.



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

SUBJECT	COMPUTER NETWORKS	SUBJECT CODE	18EC71
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COURSE OUTCOME

- CO 1.** Associate and apply the concepts of Band pass sampling to well specified signals and channels.
- CO 2.** Analyze and compute performance parameters and transfer rates for low pass and band pass symbol under ideal and corrupted non band limited channels.
- CO 3.** Test and validate symbol processing and performance parameters at the receiver under ideal and corrupted band limited channels.
- CO 4.** Demonstrate that band pass signals subjected to corruption and distortion in a band limited channel can be processed at the receiver to meet specified performance criteria.
- CO 5.** Understand the principles of spread spectrum communications.

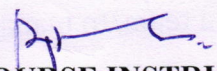
PROGRAM OUTCOMES

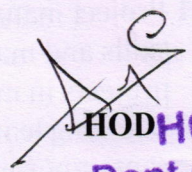
- PO1** Engineering knowledge: An ability to apply knowledge of mathematics (including probability, statistics and discrete mathematics), science, and engineering for solving Engineering problems and Knowledge.
- PO2** Problem analysis: Identify, formulate, research literature, and analyze complex engineering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

COLLEGE	SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY											
FACULTY NAME	Mrs.PRADEEP KUMAR S S											
BRANCH	ECE			ACADEMIC YEAR				2022-23				
COURSE	B.E	SEMESTER			VI	SECTION			ECE			
SUBJECT	COMPUTER NETWORKS					SUBJECT CODE			18EC71			
CO & PO MAPPING												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	-	-	2								
CO2	2	2	-	-								
CO3	2	-	-	-								
CO4	-	-	3	-								
CO5		2										
AVERAGE	2	2	3	2								
OVERALL MAPPING OF SUBJECT												2.325

CO AND PO ATTAINMENT

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	74.64	1.49			1.49								
CO2	74.41	1.48	1.48	-	-								
CO3	74.41	1.48	-	-	-								
CO4	80.82	-	-	2.42	-								
CO5	74.64		1.49										
AVERAGE	75.78	1.48	1.48	2.42	1.49								
FINAL ATTAINMENT LEVEL													1.71


COURSE INSTRUCTOR


HOD
Dept of E&C
SIET, Tumkur-6

Roll No.	USN	Name	18EC71			2022-2023 EVEN			SEM :VIII SEM				PROF. PRADEEP KUMAR S S				COMPUTER NETWORKS				TOTAL AVERAGE			
			T1(40)	T2(40)	T3(40)	T1	T2	T3	ASSIGNMENT 10/4				SEE MARKS				Final							
			CO1-20	CO2-10	CO3-10	CO4-20	CO1-2.5	CO2-2.5	CO3-2.5	CO4-2.5	60	CO1-15	CO2-15	CO3-15	CO4-15	CO1-37.5	CO2-27.5	CO3-27.5	CO4-37.5					
1	1SV18EC001	ANIKET ASHOK	5	0	16	5	0	0	16	2.5	2.5	2.5	2.5	22	5.5	5.5	5.5	5.5	13	8	8	24	13.25	
2	1SV18EC003	ARUN.N.R	27	24	29	27	12	12	29	2.5	2.5	2.5	2.5	36	9	9	9	9	38.5	23.5	23.5	40.5	22.375	
3	1SV19EC001	AKASH	35	23	30	35	11.5	11.5	30	2.5	2.5	2.5	2.5	39	9.75	9.75	9.75	9.75	47.25	23.75	23.75	42.25	32.875	
4	1SV19EC002	AKHILESH	20	18	31	20	9	9	31	2.5	2.5	2.5	2.5	36	9	9	9	9	31.5	20.5	20.5	42.5	31.5	
5	1SV19EC003	ARBIYA	38	40	40	38	20	20	40	2.5	2.5	2.5	2.5	50	12.5	12.5	12.5	12.5	53	35	35	55	36.625	
6	1SV19EC005	BHAVANA U	39	34	40	39	17	17	40	2.5	2.5	2.5	2.5	27	6.75	6.75	6.75	6.75	48.25	26.25	26.25	49.25	41	
7	1SV19EC006	BHOOMIKA. D.	37	37	39	37	18.5	18.5	39	2.5	2.5	2.5	2.5	41	10.25	10.25	10.25	10.25	49.75	31.25	31.25	51.75	39.25	
8	1SV19EC007	CHANDAN. M.	7	0	14	7	0	0	14	2.5	2.5	2.5	2.5	35	8.75	8.75	8.75	8.75	18.25	11.25	11.25	25.25	28.75	
9	1SV19EC008	CRISPINA	38	40	39	38	20	20	39	2.5	2.5	2.5	2.5	39	9.75	9.75	9.75	9.75	50.25	32.25	32.25	51.25	29	
10	1SV19EC009	DARSHAN. M.	32	0	18	32	0	0	18	2.5	2.5	2.5	2.5	23	5.75	5.75	5.75	5.75	40.25	8.25	8.25	26.25	31.125	
11	1SV19EC010	DIVYA. POL.	25	0	35	25	0	0	35	2.5	2.5	2.5	2.5	22	5.5	5.5	5.5	5.5	33	8	8	43	21.875	
12	1SV19EC011	GAGANA. V.	38	39	36	38	19.5	19.5	36	2.5	2.5	2.5	2.5	38	9.5	9.5	9.5	9.5	50	31.5	31.5	48	31.625	
13	1SV19EC012	GOWRAMMA.	38	39	36	38	19.5	19.5	36	2.5	2.5	2.5	2.5	44	11	11	11	11	51.5	33	33	49.5	41	
14	1SV19EC013	HARSHITHA.	38	38	36	38	19	19	36	2.5	2.5	2.5	2.5	27	6.75	6.75	6.75	6.75	47.25	28.25	28.25	45.25	39.5	
15	1SV19EC014	K. S.	30	35	31	30	17.5	17.5	31	2.5	2.5	2.5	2.5	36	9	9	9	9	41.5	29	29	42.5	36.375	
16	1SV19EC015	K. SANJAY.	38	39	38	38	19.5	19.5	38	2.5	2.5	2.5	2.5	41	10.25	10.25	10.25	10.25	50.75	32.25	32.25	50.75	38.5	
17	1SV19EC016	LOKESHWARIKOTI.	37	39	26	37	19.5	19.5	26	2.5	2.5	2.5	2.5	33	8.25	8.25	8.25	8.25	47.75	30.25	30.25	36.75	38.875	
18	1SV19EC017	MEGHANA. R.	39	40	38	39	20	20	38	2.5	2.5	2.5	2.5	37	9.25	9.25	9.25	9.25	50.75	31.75	31.75	49.75	38.625	
19	1SV19EC018	MUSKAN	38	40	40	38	20	20	40	2.5	2.5	2.5	2.5	50	12.5	12.5	12.5	12.5	53	35	35	55	42.75	
20	1SV19EC019	NALINA. D. K.	37	33	39	37	16.5	16.5	39	2.5	2.5	2.5	2.5	53	13.25	13.25	13.25	13.25	52.75	32.25	32.25	54.75	43.75	
21	1SV19EC021	PREETHIKA. A.	34	37	38	34	18.5	18.5	38	2.5	2.5	2.5	2.5	30	7.5	7.5	7.5	7.5	44	28.5	28.5	48	40.125	
22	1SV19EC022	PRIYADARSHIN	38	39	40	38	19.5	19.5	40	2.5	2.5	2.5	2.5	40	10	10	10	10	50.5	32	32	52.5	39.5	
23	1SV19EC023	REHAMAN	25	33	34	25	18.5	18.5	34	2.5	2.5	2.5	2.5	44	11	11	11	11	40.5	32	32	47.5	37.5	
24	1SV19EC025	SAHIL SALAM.	27	37	34	27	18.5	18.5	34	2.5	2.5	2.5	2.5	44	11	11	11	11	40.5	32	32	47.5	37.5	
25	1SV19EC027	SANIYA	38	38	40	38	19	19	40	2.5	2.5	2.5	2.5	45	11.25	11.25	11.25	11.25	51.75	32.75	32.75	53.75	40.375	
26	1SV19EC028	SHARANA	16	0	13	16	0	0	13	2.5	2.5	2.5	2.5	15	3.75	3.75	3.75	3.75	22.25	6.25	6.25	19.25	28.125	
27	1SV19EC029	SUPRIYA. N.	34	0	37	34	0	0	37	2.5	2.5	2.5	2.5	43	10.75	10.75	10.75	10.75	47.25	13.25	13.25	50.25	22.25	
28	1SV19EC030	YASHWANTH.	23	3	4	23	1.5	1.5	4	2.5	2.5	2.5	2.5	27	6.75	6.75	6.75	6.75	32.25	10.75	10.75	13.25	23.875	
29	1SV19EC032	M BHAVANI	37	36	38	37	18	18	38	2.5	2.5	2.5	2.5	41	10.25	10.25	10.25	10.25	49.75	30.75	30.75	50.75	28.625	
30	1SV19EC033	NAYAK	36	0	30	36	0	0	30	2.5	2.5	2.5	2.5	26	6.5	6.5	6.5	6.5	45	9	9	39	33	
31	1SV20EC400	BINDU T S	38	38	36	38	19	19	36	2.5	2.5	2.5	2.5	27	6.75	6.75	6.75	6.75	47.25	28.25	28.25	45.25	31.375	
32	1SV20EC401	K R	36	32	37	36	16	16	37	2.5	2.5	2.5	2.5	38	9.5	9.5	9.5	9.5	48	28	28	49	37.75	
33	1SV20EC402	LAVANYA K R	24	33	34	24	16.5	16.5	34	2.5	2.5	2.5	2.5	27	6.75	6.75	6.75	6.75	33.25	25.75	25.75	43.25	35.125	
																				42.88636	24.70455	24.70455	43.61364	33.69318
																				71.99%	68.18%	68.18%	68.18%	68.18%

P. S.
COURSE INSTRUCTOR

AS
HOD
Dept of E&C
SIET, Tumkur-6

PRINCIPAL

M. S. Srinivas
PRINCIPAL
SIET. TUMKUR.



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

SUBJECT	VLSI DESIGN	SUBJECT CODE	18EC72
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COURSE OUTCOME

- CO 1. Understand the mathematical representation of signal, symbol, noise and channels.
- CO 2. Apply the concept of signal conversion to symbols and signal processing to symbols in transmitter and receiver functional blocks.
- CO 3. Identify Compute performance issues and parameters for symbol processing and recovery in ideal and corrupted channel conditions.
- CO 4. Write Compute performance parameters and mitigate for these parameters in corrupted and distorted channel conditions.
- CO 5. Explain the need of real time operating system for embedded system applications.

PROGRAM OUTCOMES

- P01 Engineering knowledge: An ability to apply knowledge of mathematics (including probability, statistics and discrete mathematics), science, and engineering for solving Engineering problems and Knowledge.
- P02 Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- P03 Design / development of solutions: An ability to design solution for engineering problems and design system components or process to meet desired specifications and needs.
- P04 Conduct investigations of complex Problem: An ability to identify, formulate, comprehend, analyze, design synthesis of the information to solve complex engineering problems and provide valid conclusions.
- P05 Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling to complex engineering activities.
- P06 The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues.
- P07 Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- P08 Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- P09 Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- P10 Communication: Communicate effectively on complex engineering activities with the engineering community and with the society.
- P11 Project management and finance: An ability to use the modern engineering tools, techniques, skills and management principles to do work as a member and leader in a team, to manage projects in multidisciplinary environments.
- P12 Life-long learning: A recognition of the need for, and an ability to engage in, to resolve contemporary issues and acquire lifelong learning.

COLLEGE	SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY											
FACULTY NAME	PROF.UMESHA G B											
BRANCH	ECE			ACADEMIC YEAR				2022-23				
COURSE	B.E	SEMESTER			VI	SECTION			ECE			
SUBJECT	VLSI DESIGN					SUBJECT CODE			18EC72			
CO & PO MAPPING												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	-	-	-								
CO2	2	3	-	-								
CO3	3	-	-	-								
CO4	-	-	2	-								
CO5	-	-	-	2								
AVERAGE	2.3	3	2	2								
OVERALL MAPPING OF SUBJECT												2.325

CO AND PO ATTAINMENT

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	74.01	1.48	-	-	-								
CO2	76.27	1.52	1.24	-	-								
CO3	76.27	2.28	-	-	-								
CO4	78.65	-	-	1.57	-								
CO5	78.65	-	-	-	1.57								
AVERAGE	76.77	1.76	1.24	1.57	1.57								
FINAL ATTAINMENT LEVEL													1.53

CORSE INSTRUCTOR

HOD
Dept of E&C
SLET, Tumkur-6

Roll No.	USN	Name	18EC72			2022-2023 EVEN			SEM : VIII SEM			VLSI DESIGN						TOTAL AVERAGE						
			T1(40)	T2(40)	T3(40)	T1	CO1-20	CO2-10	CO3-10	CO4-20	CO1-2.5	CO2-2.5	CO3-2.5	CO4-2.5	60	CO1-15	CO2-15		CO3-15	CO4-15	CO1-37.5	CO2-27.5	CO3-27.5	CO4-37.5
			28	0	18	13(40)	28	0	18	34	2.5	2.5	2.5	2.5	3	0.75	0.75		0.75	0.75	31.25	3.25	3.25	21.25
1	1SV18EC001	ANIKET ASHOK NEJE	35	36	34	35	18	34	2.5	2.5	2.5	2.5	3	5.25	5.25	5.25	5.25	42.75	3.25	3.25	21.25			
2	1SV18EC003	ARUN, N. R.	34	38	40	34	19	40	2.5	2.5	2.5	2.5	21	6.25	6.25	6.25	6.25	42.75	25.75	25.75	41.75			
3	1SV19EC001	AKASH DODAMANI	14	19	32	14	9.5	32	2.5	2.5	2.5	2.5	25	8.75	8.75	8.75	8.75	42.75	27.75	27.75	48.75			
4	1SV19EC002	AKHILESH YADAV	40	40	40	40	20	40	2.5	2.5	2.5	2.5	35	8.75	8.75	8.75	8.75	25.25	20.75	20.75	43.25			
5	1SV19EC003	ARBIYA SULTANA	40	40	40	40	20	40	2.5	2.5	2.5	2.5	36	9	9	9	9	51.5	31.5	31.5	51.5			
6	1SV19EC005	BHAVANA U	40	38	40	40	19	40	2.5	2.5	2.5	2.5	36	9	9	9	9	51.5	31.5	31.5	51.5			
7	1SV19EC006	BHOOMIKA. D.	40	40	40	40	19	40	2.5	2.5	2.5	2.5	24	6	6	6	6	48.5	27.5	27.5	48.5			
8	1SV19EC007	CHANDAN. M. U.	40	40	40	40	0	38	2.5	2.5	2.5	2.5	25	6.25	6.25	6.25	6.25	32.75	8.75	8.75	46.75			
9	1SV19EC008	CRISPINA VIOLET. P.	26	0	16	26	0	16	2.5	2.5	2.5	2.5	35	8.75	8.75	8.75	8.75	51.25	31.25	31.25	51.25			
10	1SV19EC009	MANCHIKOPPAD	40	40	40	40	0	40	2.5	2.5	2.5	2.5	27	6.75	6.75	6.75	6.75	35.25	9.25	9.25	25.25			
11	1SV19EC010	DIVYA. POL.	40	40	40	40	0	40	2.5	2.5	2.5	2.5	30	7.5	7.5	7.5	7.5	50	10	10	50			
12	1SV19EC011	GAGANA. V.	40	40	40	40	20	40	2.5	2.5	2.5	2.5	33	8.25	8.25	8.25	8.25	50.75	30.75	30.75	50.75			
13	1SV19EC012	GOWRAMMA. S.	40	40	40	40	20	40	2.5	2.5	2.5	2.5	37	9.25	9.25	9.25	9.25	51.75	31.75	31.75	51.75			
14	1SV19EC013	HARSHITHA. M.	40	40	40	40	20	40	2.5	2.5	2.5	2.5	41	10.25	10.25	10.25	10.25	52.75	32.75	32.75	52.75			
15	1SV19EC014	K. S. SANTHOSH.	38	40	40	38	20	40	2.5	2.5	2.5	2.5	21	5.25	5.25	5.25	5.25	45.75	27.75	27.75	47.75			
16	1SV19EC015	K. SANJAY.	40	40	40	40	20	40	2.5	2.5	2.5	2.5	30	7.5	7.5	7.5	7.5	50	30	30	50			
17	1SV19EC016	LOKESHWAR KOTILB.S	40	40	40	40	20	40	2.5	2.5	2.5	2.5	32	8	8	8	8	50.5	30.5	30.5	50.5			
18	1SV19EC017	MEGHANA. R.	40	40	40	40	20	40	2.5	2.5	2.5	2.5	38	9.5	9.5	9.5	9.5	52	32	32	52			
19	1SV19EC018	MUSKAN ZAHID.	40	40	40	40	20	40	2.5	2.5	2.5	2.5	44	11	11	11	11	53.5	33.5	33.5	53.5			
20	1SV19EC019	NALINA. D. K.	38	34	38	38	17	38	2.5	2.5	2.5	2.5	30	7.5	7.5	7.5	7.5	50	30	30	50			
21	1SV19EC021	PREETHIKA. A. S.	40	40	40	40	20	40	2.5	2.5	2.5	2.5	21	5.25	5.25	5.25	5.25	45.75	24.75	24.75	45.75			
22	1SV19EC022	PRIYADARSHINI. M.	40	40	40	40	20	40	2.5	2.5	2.5	2.5	30	7.5	7.5	7.5	7.5	50	30	30	50			
23	1SV19EC023	K.	40	38	40	40	20	40	2.5	2.5	2.5	2.5	30	7.5	7.5	7.5	7.5	50	30	30	50			
24	1SV19EC025	SAHIL SALAM.	40	36	40	40	19	40	2.5	2.5	2.5	2.5	33	8.25	8.25	8.25	8.25	50.75	29.75	29.75	50.75			
25	1SV19EC027	SANIYA FATHIMA.	0	40	40	0	20	40	2.5	2.5	2.5	2.5	25	6.25	6.25	6.25	6.25	48.75	26.75	26.75	48.75			
26	1SV19EC028	SHARANA KUMAR.	10	0	18	10	0	18	2.5	2.5	2.5	2.5	40	10	10	10	10	12.5	32.5	32.5	52.5			
27	1SV19EC029	SUPRIYA. N.	40	0	40	40	0	40	2.5	2.5	2.5	2.5	21	5.25	5.25	5.25	5.25	17.75	7.75	7.75	25.75			
28	1SV19EC030	YASHWANTH. C.	38	27	34	38	13.5	34	2.5	2.5	2.5	2.5	22	5.5	5.5	5.5	5.5	48	8	8	48			
29	1SV19EC032	SHANKAR	40	32	40	40	16	40	2.5	2.5	2.5	2.5	21	5.25	5.25	5.25	5.25	45.75	21.25	21.25	41.75			
30	1SV19EC033	PREKSHA NAYAK	34	0	36	34	0	36	2.5	2.5	2.5	2.5	21	5.25	5.25	5.25	5.25	47.75	23.75	23.75	47.75			
31	1SV20EC400	BINDU T'S	40	40	40	40	20	40	2.5	2.5	2.5	2.5	21	5.25	5.25	5.25	5.25	41.75	7.75	7.75	43.75			
32	1SV20EC401	GANASHREE K R	40	40	40	40	20	40	2.5	2.5	2.5	2.5	33	8.25	8.25	8.25	8.25	50.75	30.75	30.75	50.75			
33	1SV20EC402	LAVANYA K R	0	36	38	0	18	38	2.5	2.5	2.5	2.5	16	4	4	4	4	6.5	24.5	24.5	44.5			
																			71.99%	24.35606	24.35606	46.62879		
																				68.18%	68.18%	68.18%		

Principal
SLET, Tumkur.

HOD
Dept of E&C
SLET, Tumkur-6

COURSE INSTRUCTOR



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

SUBJECT	SATELLITE COMMUNICATION	SUBJECT CODE	18EC732
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COURSE OUTCOME

- CO 1. Describe the microwave properties and its transmission media
- CO 2. Describe microwave devices for several applications
- CO 3. Understand the basics of antenna theory
- CO 4. Select antennas for specific applications

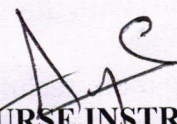
PROGRAM OUTCOMES

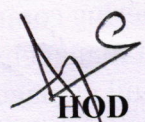
- P01 Engineering knowledge: An ability to apply knowledge of mathematics (including probability, statistics and discrete mathematics), science, and engineering for solving Engineering problems and Knowledge.
- P02 Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- P03 Design / development of solutions: An ability to design solution for engineering problems and design system components or process to meet desired specifications and needs.
- P04 Conduct investigations of complex Problem: An ability to identify, formulate, comprehend, analyze, design synthesis of the information to solve complex engineering problems and provide valid conclusions.
- P05 Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling to complex engineering activities.
- P06 The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues.
- P07 Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- P08 Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- P09 Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- P010 Communication: Communicate effectively on complex engineering activities with the engineering community and with the society.
- P011 Project management and finance: An ability to use the modern engineering tools, techniques, skills and management principles to do work as a member and leader in a team, to manage projects in multidisciplinary environments.
- P012 Life-long learning: A recognition of the need for, and an ability to engage in, to resolve contemporary issues and acquire lifelong learning.

COLLEGE	SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY											
FACULTY NAME	PROF.AIJAZ AHAMED SHAEIF											
BRANCH	ECE			ACADEMIC YEAR				2022-23				
COURSE	B.E	SEMESTER			VI	SECTION			ECE			
SUBJECT	SATELLITE COMMUNICATION					SUBJECT CODE			18EC732			
CO & PO MAPPING												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	-	-	2								
CO2	2	3	-	-								
CO3	3	-	-	-								
CO4	-	-	2	-								
AVERAGE	2.3	3	2	2								
OVERALL MAPPING OF SUBJECT												2.325

CO AND PO ATTAINMENT

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	73.85	1.47	-	-	1.47								
CO2	67.53	1.35	2.02	-	-								
CO3	70.00	2.1	-	-	-								
CO4	73.85	-	-	1.47	-								
AVERAGE	71.30	1.64	2.02	1.47	1.47								
FINAL ATTAINMENT LEVEL													1.65


COURSE INSTRUCTOR


HOD
Dept of E&C
SIET, Tumkur-6

Roll No.	USN	Name	18EC732			2022-2023 EVEN				SEM :VIII SET PROF. AIJAZ AHAMED SHAEIF				SATELLITE COMMUNICATION				TOTAL AVERAGE						
			T1(40)	T2(40)	T3(40)	T1	T2	T3	T4	ASSIGNMENT 10/4				SEE MARKS										
			CO1-20	CO2-10	CO3-10	CO4-20	CO1-2.5	CO2-2.5	CO3-2.5	CO4-2.5	60	CO1-15	CO2-15	CO3-15	CO4-15	CO1-37.5	CO2-37.5		CO3-37.5	CO4-37.5				
1	1SV18EC001	NEJE	5	0	0	5	0	0	0	2.5	2.5	2.5	2.5	29	7.25	7.25	7.25	7.25	14.75	9.75	9.75	9.75	11	
2	1SV18EC003	ARUN.N.R	5	16	21	5	8	8	21	2.5	2.5	2.5	2.5	31	7.75	7.75	7.75	7.75	15.25	18.25	18.25	31.25	15.875	
3	1SV19EC001	DODAMANI	20	21	31	20	10.5	10.5	31	2.5	2.5	2.5	2.5	30	7.5	7.5	7.5	7.5	30	20.5	20.5	41	24.375	
4	1SV19EC002	YADAV	11	13	28	11	6.5	6.5	28	2.5	2.5	2.5	2.5	38	9.5	9.5	9.5	9.5	23	18.5	18.5	40	26.5	
5	1SV19EC003	SULTANA	39	40	40	39	20	20	40	2.5	2.5	2.5	2.5	47	11.75	11.75	11.75	11.75	53.25	34.25	34.25	54.25	34.5	
6	1SV19EC005	BHAVANA.U	7	19	21	7	9.5	9.5	21	2.5	2.5	2.5	2.5	57	14.25	14.25	14.25	14.25	23.75	26.25	26.25	37.75	36.25	
7	1SV19EC006	BHOOMIKA. D.	18	37	37	18	18.5	18.5	37	2.5	2.5	2.5	2.5	37	9.25	9.25	9.25	9.25	29.75	30.25	30.25	48.75	31.625	
8	1SV19EC007	U.	16	16		16	8	8	0	2.5	2.5	2.5	2.5	33	8.25	8.25	8.25	8.25	26.75	18.75	18.75	10.75	26.75	
9	1SV19EC008	VIOLET. P.	33	40	40	33	20	20	40	2.5	2.5	2.5	2.5	43	10.75	10.75	10.75	10.75	46.25	33.25	33.25	53.25	30.125	
10	1SV19EC009	MANCHIKOPPA	21	0	25	21	0	0	25	2.5	2.5	2.5	2.5	36	9	9	9	9	32.5	11.5	11.5	36.5	32.25	
11	1SV19EC010	DIVYA. POL.	11	0	31	11	0	0	31	2.5	2.5	2.5	2.5	40	10	10	10	10	23.5	12.5	12.5	43.5	23	
12	1SV19EC011	GAGANA. V.	22	22	38	22	11	11	38	2.5	2.5	2.5	2.5	45	11.25	11.25	11.25	11.25	35.75	24.75	24.75	51.75	28.625	
13	1SV19EC012	S.	31	40	40	31	20	20	40	2.5	2.5	2.5	2.5	58	14.5	14.5	14.5	14.5	48	37	37	57	39.5	
14	1SV19EC013	HARSHITHA. M.	34	40	34	34	20	20	34	2.5	2.5	2.5	2.5	48	12	12	12	12	48.5	34.5	34.5	48.5	43.125	
15	1SV19EC014	SANTHOSH.	18	24	35	18	12	12	35	2.5	2.5	2.5	2.5	48	12	12	12	12	48.5	34.5	34.5	48.5	43.125	
16	1SV19EC015	K. SANJAY.	17	25	36	17	12.5	12.5	36	2.5	2.5	2.5	2.5	45	11.25	11.25	11.25	11.25	30.75	26.25	26.25	49.75	33.5	
17	1SV19EC016	LOKESHWARIKOTI.B	30	37	38	30	18.5	18.5	38	2.5	2.5	2.5	2.5	39	9.75	9.75	9.75	9.75	42.25	30.75	30.75	50.25	35.875	
18	1SV19EC017	MEGHANA. R.	33	40	40	33	20	20	40	2.5	2.5	2.5	2.5	45	11.25	11.25	11.25	11.25	46.75	33.75	33.75	53.75	40.25	
19	1SV19EC018	ZAHID.	29	34	40	29	17	17	40	2.5	2.5	2.5	2.5	49	12.25	12.25	12.25	12.25	43.75	31.75	31.75	54.75	41.25	
20	1SV19EC019	NALINA. D. K.	31	40	40	31	20	20	40	2.5	2.5	2.5	2.5	41	10.25	10.25	10.25	10.25	43.75	32.75	32.75	52.75	40.5	
21	1SV19EC021	S.	32	22	37	32	11	11	37	2.5	2.5	2.5	2.5	55	13.75	13.75	13.75	13.75	48.25	27.25	27.25	53.25	39.75	
22	1SV19EC022	M.	32	34	40	32	17	17	40	2.5	2.5	2.5	2.5	37	9.25	9.25	9.25	9.25	43.75	28.75	28.75	51.75	38.625	
23	1SV19EC023	KHAN. H. K.	15	24	34	15	12	12	34	2.5	2.5	2.5	2.5	40	10	10	10	10	27.5	24.5	24.5	46.5	34.5	
24	1SV19EC025	SAHIL SALAM.	17	20	34	17	10	10	34	2.5	2.5	2.5	2.5	32	8	8	8	8	27.5	20.5	20.5	44.5	29.5	
25	1SV19EC027	FATHIMA.	30	28	40	30	14	14	40	2.5	2.5	2.5	2.5	51	12.75	12.75	12.75	12.75	45.25	29.25	29.25	55.25	34	
26	1SV19EC028	KUMAR.	12	0	23	12	0	0	23	2.5	2.5	2.5	2.5	21	5.25	5.25	5.25	5.25	19.75	7.75	7.75	30.75	28.125	
27	1SV19EC029	SUPRIYA. N.	23	0	40	23	0	0	40	2.5	2.5	2.5	2.5	49	12.25	12.25	12.25	12.25	37.75	14.75	14.75	54.75	23.5	
28	1SV19EC030	C.	12	16	10	12	8	8	10	2.5	2.5	2.5	2.5	31	7.75	7.75	7.75	7.75	22.25	18.25	18.25	20.25	25.125	
29	1SV19EC032	SHANKAR	7	32	33	7	16	16	33	2.5	2.5	2.5	2.5	38	9.5	9.5	9.5	9.5	19	28	28	45	24.875	
30	1SV19EC033	PAKSHI NAYAK	31	0		31	0	0	0	2.5	2.5	2.5	2.5	27	6.75	6.75	6.75	6.75	40.25	9.25	9.25	9.25	23.5	
31	1SV20EC400	BINDU T S	21	26	38	21	13	13	38	2.5	2.5	2.5	2.5	41	10.25	10.25	10.25	10.25	33.75	25.75	25.75	50.75	25.5	
32	1SV20EC401	GANASHREE K R	21	35	34	21	17.5	17.5	34	2.5	2.5	2.5	2.5	48	12	12	12	12	35.5	32	32	48.5	35.5	
33	1SV20EC402	LAVANYA K R	17	22	28	17	11	11	28	2.5	2.5	2.5	2.5	30	7.5	7.5	7.5	7.5	27	21	21	38	31.875	
																				33.88636	24.20455	24.20455	43.12879	31.1742
																				71.99%	68.18%	68.18%	68.18%	68.18%

COURSE INSTRUCTOR

HOD
Dept of E&C
SIET, Tumkur-6

PRINCIPAL

PRINCIPAL
SIET, TUMKUR.



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

SUBJECT	M L WITH PYTHON	SUBJECT CODE	18EC745
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COURSE OUTCOME

- CO 1. Understand the services provided by an operating system.
- CO 2. Explain how processes are synchronized and scheduled
- CO 3. Understand different approaches of memory management and virtual memory management.
- CO 4. Describe the structure and organization of the file system.
- CO 5. Understand interprocess communication and deadlock situations.

PROGRAM OUTCOMES

- P01 Engineering knowledge: An ability to apply knowledge of mathematics (including probability, statistics and discrete mathematics), science, and engineering for solving Engineering problems and Knowledge.
- P02 Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- P03 Design / development of solutions: An ability to design solution for engineering problems and design system components or process to meet desired specifications and needs.
- P04 Conduct investigations of complex Problem: An ability to identify, formulate, comprehend, analyze, design synthesis of the information to solve complex engineering problems and provide valid conclusions.
- P05 Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling to complex engineering activities.
- P06 The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues.
- P07 Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- P08 Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- P09 Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- P010 Communication: Communicate effectively on complex engineering activities with the engineering community and with the society.
- P011 Project management and finance: An ability to use the modern engineering tools, techniques, skills and management principles to do work as a member and leader in a team, to manage projects in multidisciplinary environments.
- P012 Life-long learning: A recognition of the need for, and an ability to engage in, to resolve contemporary issues and acquire lifelong learning.

COLLEGE	SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY											
FACULTY NAME		PROF.RAGHVENDRA D										
BRANCH		ECE			ACADEMIC YEAR				2022-23			
COURSE	B.E	SEMESTER			VI	SECTION			ECE			
SUBJECT	OPERATING SYSTEMS					SUBJECT CODE			18EC641			
CO & PO MAPPING												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	-	-	-								
CO2	2	3	-	-								
CO3	3	-	-	-								
CO4	-	-	2	-								
CO5	-	2	-	2								
AVERAGE	2.3	3	2	2								
OVERALL MAPPING OF SUBJECT												2.325

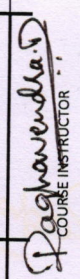
CO AND PO ATTAINMENT

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	76.64	1.53	-	-	-								
CO2	78.82	1.57	2.36	-	-								
CO3	78.82	2.36	-	-	-								
CO4	84.33	-	-	1.68	-								
CO5	84.33	-	1.68	-	1.68								
AVERAGE	80.5	1.82	2.02	1.68	1.68								
FINAL ATTAINMENT LEVEL													1.8

Raghavendra D
COURSE INSTRUCTOR

AS
HOD
HOD
Dept of E&C
SIET, Tumkur-6

Roll No.	USN	Name	18EC745				2022-2023 EVEN				SEM : VIII SEE / PROF. RAGHAVENDRA D				M.L WITH PYTHON				SEE MARKS	TOTAL AVERAGE			
			T1		T2		T3		ASSIGNMENT 10/4		CO1-15		CO2-15		CO3-15		CO4-15				Final		
			T1(40)	T2(40)	T3(40)	CO1-20	CO2-10	CO3-10	CO4-20	CO1-2.5	CO2-2.5	CO3-2.5	CO4-2.5	CO1-15	CO2-15	CO3-15	CO4-15	CO1-37.5			CO2-37.5	CO3-37.5	CO4-37.5
1	1SV19EC001	ANIKET ASHOK NEJE	32	0	7	32	0	0	7	2.5	2.5	2.5	2.5	5.25	5.25	5.25	5.25	39.75	7.75	7.75	14.75	17.5	
2	1SV19EC003	ARUN.N.R	23	16	24	23	8	8	24	2.5	2.5	2.5	2.5	6.75	6.75	6.75	6.75	32.25	17.25	17.25	33.25	21.25	
3	1SV19EC001	AKASH DODAMANI	36	21	31	36	10.5	10.5	31	2.5	2.5	2.5	2.5	6.5	6.5	6.5	6.5	45	19.5	19.5	40	28	
4	1SV19EC002	AKHILESH YADAV	22	13	30	22	6.5	6.5	30	2.5	2.5	2.5	2.5	9	9	9	9	33.5	18	18	41.5	29.375	
5	1SV19EC003	ARBIYA SULTANA	40	40	40	40	20	20	40	2.5	2.5	2.5	2.5	9	9	9	9	51.5	31.5	31.5	51.5	34.625	
6	1SV19EC005	BHAVANA.U	40	19	40	40	9.5	9.5	40	2.5	2.5	2.5	2.5	13.25	13.25	13.25	13.25	55.75	25.25	25.25	55.75	41	
7	1SV19EC006	BHOOMIKA. D.	35	37	40	35	18.5	18.5	40	2.5	2.5	2.5	2.5	5.25	5.25	5.25	5.25	42.75	26.25	26.25	47.75	38.125	
8	1SV19EC007	CHANDAN. M. U.	13	16	13	13	8	8	13	2.5	2.5	2.5	2.5	9.25	9.25	9.25	9.25	24.75	19.75	19.75	24.75	29	
9	1SV19EC008	CRISPINA VIOLET. P.	33	40	40	33	20	20	40	2.5	2.5	2.5	2.5	8	8	8	8	43.5	30.5	30.5	50.5	30.5	
10	1SV19EC009	DARSHAN. M. MANCHIKOPPA	34	0	17	34	0	0	17	2.5	2.5	2.5	2.5	5.5	5.5	5.5	5.5	42	8	8	25	29.75	
11	1SV19EC010	DIVYA. POL.	40	0	40	40	0	0	40	2.5	2.5	2.5	2.5	12.75	12.75	12.75	12.75	55.25	15.25	15.25	55.25	28	
12	1SV19EC011	GAGANA. V.	40	22	40	40	11	11	40	2.5	2.5	2.5	2.5	9	9	9	9	51.5	22.5	22.5	51.5	36.125	
13	1SV19EC012	GOWRAMMA. S.	40	40	38	40	20	20	38	2.5	2.5	2.5	2.5	12	12	12	12	54.5	34.5	34.5	52.5	40.5	
14	1SV19EC013	HARSHITHA. M.	40	40	40	40	20	20	40	2.5	2.5	2.5	2.5	8.75	8.75	8.75	8.75	51.25	31.25	31.25	51.25	42.625	
15	1SV19EC014	K. S. SANTHOSH.	33	24	35	33	12	12	35	2.5	2.5	2.5	2.5	11.25	11.25	11.25	11.25	46.75	25.75	25.75	48.75	39	
16	1SV19EC015	K. SANJAY.	40	25	36	40	12.5	12.5	36	2.5	2.5	2.5	2.5	10.25	10.25	10.25	10.25	52.75	25.25	25.25	48.75	37.375	
17	1SV19EC016	LOKESHWARIB.S	40	37	40	40	18.5	18.5	40	2.5	2.5	2.5	2.5	9.75	9.75	9.75	9.75	52.25	32.25	32.25	52.25	42.125	
18	1SV19EC017	MEGHANA. R.	40	40	40	40	20	20	40	2.5	2.5	2.5	2.5	9	9	9	9	51.5	28.5	28.5	51.5	41.125	
19	1SV19EC018	MUSKAN ZAHD.	40	34	40	40	17	17	40	2.5	2.5	2.5	2.5	11	11	11	11	53.5	33.5	33.5	53.5	41.75	
20	1SV19EC019	NALINA. D. K.	40	40	40	40	20	20	40	2.5	2.5	2.5	2.5	9	9	9	9	40.5	22.5	22.5	46.5	38.25	
21	1SV19EC021	PREETHIKA. A. S.	29	22	35	29	11	11	35	2.5	2.5	2.5	2.5	9.75	9.75	9.75	9.75	52.25	29.25	29.25	52.25	36.875	
22	1SV19EC022	PRIVADARSHINI. M.	40	34	40	40	17	17	40	2.5	2.5	2.5	2.5	8.5	8.5	8.5	8.5	51	23	23	47	38.375	
23	1SV19EC023	REHAMAN KHAN. H. K.	40	24	36	40	12	12	36	2.5	2.5	2.5	2.5	11.25	11.25	11.25	11.25	49.75	23.75	23.75	50.75	36.5	
25	1SV19EC025	SAHIL SALAM.	36	20	37	36	10	10	37	2.5	2.5	2.5	2.5	7.5	7.5	7.5	7.5	47	24	24	50	36.625	
26	1SV19EC027	SANIYA FATHIMA.	37	28	40	37	14	14	40	2.5	2.5	2.5	2.5	5.25	5.25	5.25	5.25	22.75	7.75	7.75	30.75	26.75	
27	1SV19EC028	SHARANA KUMAR.	15	0	23	15	0	0	23	2.5	2.5	2.5	2.5	9.5	9.5	9.5	9.5	52	12	12	49	24.25	
28	1SV19EC029	SUPRIYA. N.	40	0	37	40	0	0	37	2.5	2.5	2.5	2.5	3.75	3.75	3.75	3.75	21.25	14.25	14.25	29.25	25.5	
29	1SV19EC030	YASHWANTH. C.	15	16	23	15	8	8	23	2.5	2.5	2.5	2.5	8.75	8.75	8.75	8.75	47.25	27.25	27.25	51.25	29	
30	1SV19EC032	M BHAVANI SHANKAR	36	32	40	36	16	16	40	2.5	2.5	2.5	2.5	9	9	9	9	11.5	11.5	11.5	11.5	24.875	
31	1SV19EC033	PREKSHA NAYAK	0	0		0	0	0	0	2.5	2.5	2.5	2.5	7.75	7.75	7.75	7.75	50.25	23.25	23.25	38.25	21.625	
32	1SV20EC400	BINDU T S	40	26	28	40	13	13	28	2.5	2.5	2.5	2.5	9.25	9.25	9.25	9.25	43.75	29.25	29.25	51.75	36.125	
33	1SV20EC401	GANASHREE K R	32	35	40	32	17.5	17.5	40	2.5	2.5	2.5	2.5	6	6	6	6	44.5	19.5	19.5	48.5	35.75	
34	1SV20EC402	LAVANYA K R	36	22	40	36	11	11	40	2.5	2.5	2.5	2.5	6	6	6	6	44.49999	22.75758	22.75758	44.22727	33.31061	
																			71.99%	68.18%	68.18%	68.18%	68.18%


 COURSE INSTRUCTOR
 HOD of E&C Dept of E&C SILET, Tumkur-6
 PRINCIPAL
 SILET, TUMKUR.



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

SUBJECT	E P M	SUBJECT CODE	18CV753
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COURSE OUTCOME

- CO 1.** Explain the object-oriented concepts and JAVA.
- CO 2.** Develop computer programs to solve real world problems in Java.
- CO 3.** Develop simple GUI interfaces for a computer program to interact with users.

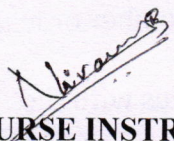
PROGRAM OUTCOMES

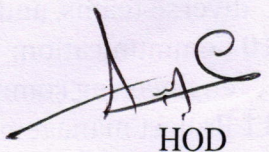
- P01** Engineering knowledge: An ability to apply knowledge of mathematics (including probability, statistics and discrete mathematics), science, and engineering for solving Engineering problems and Knowledge.
- P02** Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- P03** Design / development of solutions: An ability to design solution for engineering problems and design system components or process to meet desired specifications and needs.
- P04** Conduct investigations of complex Problem: An ability to identify, formulate, comprehend, analyze, design synthesis of the information to solve complex engineering problems and provide valid conclusions.
- P05** Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling to complex engineering activities.
- P06** The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues.
- P07** Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- P08** Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- P09** Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- P010** Communication: Communicate effectively on complex engineering activities with the engineering community and with the society.
- P011** Project management and finance: An ability to use the modern engineering tools, techniques, skills and management principles to do work as a member and leader in a team, to manage projects in multidisciplinary environments.
- P012** Life-long learning: A recognition of the need for, and an ability to engage in, to resolve contemporary issues and acquire lifelong learning.

COLLEGE	SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY											
FACULTY NAME	PROF.NIRANJINI B											
BRANCH	ECE			ACADEMIC YEAR				2022-23				
COURSE	B.E	SEMESTER			VI	SECTION			ECE			
SUBJECT	E P M					SUBJECT CODE			18CV753			
CO & PO MAPPING												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	-	-	-								
CO2	2	3	-	-								
CO3	3	-	-	-								
AVERAGE	2.3	3										
OVERALL MAPPING OF SUBJECT												2.325

CO AND PO ATTAINMENT

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	75.06	1.50	-	-									
CO2	74.77	1.49	2.24	-									
CO3	74.77	2.24	-	-									
AVERAGE	74.86	1.74	2.24										
FINAL ATTAINMENT LEVEL													1.99


COURSE INSTRUCTOR


HOD
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Dept of E&C
SIET, Tumkur-6

Roll No.	USN	Name	18CV753			2022-2023 EVEN				SEM :VIII SEE PROF. NIRANJINI B				EPM				SEE MARKS					Final				TOTAL AVERAGE
			T1	T2	T3	T1	T2	T3	T1	T2	T3	T1	T2	T3	T1	T2	T3	T1	T2	T3	T1	T2	T3	T1	T2	T3	
			CO1-20	CO2-10	CO3-10	CO4-20	CO1-2.5	CO2-2.5	CO3-2.5	CO4-2.5	60	CO1-15	CO2-15	CO3-15	CO4-15	CO1-37.5	CO2-27.5	CO3-27.5	CO4-37.5								
1	1SV18EC001	ANIKET ASHOK NEJE	18	0	0	18	0	0	0	2.5	2.5	2.5	2.5	35	8.75	8.75	8.75	8.75	29.25	11.25	11.25	11.25	15.75				
2	1SV18EC003	ARUN.N.R	13	15	0	13	7.5	7.5	0	2.5	2.5	2.5	2.5	39	9.75	9.75	9.75	9.75	25.25	19.75	19.75	12.25	17.5				
3	1SV19EC001	AKASH DODAMANI	23	26	21	23	13	13	21	2.5	2.5	2.5	2.5	34	8.5	8.5	8.5	8.5	34	24	24	32	23.875				
4	1SV19EC002	AKHILESH YADAV	19	11	29	19	5.5	5.5	29	2.5	2.5	2.5	2.5	50	12.5	12.5	12.5	12.5	34	20.5	20.5	44	29.125				
5	1SV19EC003	ARBIYA SULTANA	24	29	30	24	14.5	14.5	30	2.5	2.5	2.5	2.5	47	11.75	11.75	11.75	11.75	38.25	28.75	28.75	44.25	32.375				
6	1SV19EC005	BHAVANA.U	24	23	30	24	11.5	11.5	30	2.5	2.5	2.5	2.5	51	12.75	12.75	12.75	12.75	39.25	26.75	26.75	45.25	34.75				
7	1SV19EC006	BHOOMIKA. D.	21	29	30	21	14.5	14.5	30	2.5	2.5	2.5	2.5	37	9.25	9.25	9.25	9.25	32.75	26.25	26.25	41.75	33.125				
8	1SV19EC007	CHANDAN. M. U.	26	0	17	26	0	0	17	2.5	2.5	2.5	2.5	45	11.25	11.25	11.25	11.25	39.75	13.75	13.75	30.75	28.125				
9	1SV19EC008	CRISPINA VIOLET. P.	28	26	30	28	13	13	30	2.5	2.5	2.5	2.5	40	10	10	10	10	40.5	25.5	25.5	42.5	29				
10	1SV19EC009	DARSHAN. M. MANCHIKOPPAD	17	0	27	17	0	0	27	2.5	2.5	2.5	2.5	28	7	7	7	7	26.5	9.5	9.5	36.5	27				
11	1SV19EC010	DIVYA. POL.	23	0	30	23	0	0	30	2.5	2.5	2.5	2.5	31	7.75	7.75	7.75	7.75	33.25	10.25	10.25	40.25	22				
12	1SV19EC011	GAGANA. V.	19	26	30	19	13	13	30	2.5	2.5	2.5	2.5	45	11.25	11.25	11.25	11.25	32.75	26.75	26.75	43.75	28				
13	1SV19EC012	GOWRAMMA. S.	26	29	30	26	14.5	14.5	30	2.5	2.5	2.5	2.5	42	10.5	10.5	10.5	10.5	39	27.5	27.5	43	33.375				
14	1SV19EC013	HARSHITHA. M.	26	24	30	26	12	12	30	2.5	2.5	2.5	2.5	47	11.75	11.75	11.75	11.75	40.25	26.25	26.25	44.25	34.25				
15	1SV19EC014	K. S. SANTHOSH.	24	26	23	24	13	13	23	2.5	2.5	2.5	2.5	48	12	12	12	12	38.5	27.5	27.5	37.5	33.5				
16	1SV19EC015	K. SANJAY.	27	30	30	27	15	15	30	2.5	2.5	2.5	2.5	50	12.5	12.5	12.5	12.5	42	30	30	45	34.75				
17	1SV19EC016	LOKESHWARIKOTI.B.S	24	27	30	24	13.5	13.5	30	2.5	2.5	2.5	2.5	44	11	11	11	11	37.5	27	27	43.5	35.25				
18	1SV19EC017	MEGHANA. R.	24	28	30	24	14	14	30	2.5	2.5	2.5	2.5	45	11.25	11.25	11.25	11.25	37.75	27.75	27.75	43.75	34				
19	1SV19EC018	MUSKAN ZAHID.	29	30	30	29	15	15	30	2.5	2.5	2.5	2.5	37	9.25	9.25	9.25	9.25	40.75	26.75	26.75	41.75	34.125				
20	1SV19EC019	NALINA. D. K.	24	30	30	24	15	15	30	2.5	2.5	2.5	2.5	45	11.25	11.25	11.25	11.25	37.75	28.75	28.75	43.75	34.375				
21	1SV19EC021	PREETHIKA. A. S.	23	25	30	23	12.5	12.5	30	2.5	2.5	2.5	2.5	36	9	9	9	9	34.5	24	24	41.5	32.875				
22	1SV19EC022	PRIYADARSHINI. M.	23	30	30	23	15	15	30	2.5	2.5	2.5	2.5	45	11.25	11.25	11.25	11.25	36.75	28.75	28.75	43.75	32.75				
23	1SV19EC023	REHAMAN KHAN. H. K.	26	28	30	26	14	14	30	2.5	2.5	2.5	2.5	46	11.5	11.5	11.5	11.5	40	28	28	44	34.75				
24	1SV19EC025	SAHIL SALAM.	23	28	30	23	14	14	30	2.5	2.5	2.5	2.5	31	7.75	7.75	7.75	7.75	33.25	24.25	24.25	40.25	32.75				
25	1SV19EC027	SANIYA FATHIMA.	29	30	30	29	15	15	30	2.5	2.5	2.5	2.5	52	13	13	13	13	44.5	30.5	30.5	45.5	34.125				
26	1SV19EC028	SHARANA KUMAR.	23	0	22	23	0	0	22	2.5	2.5	2.5	2.5	39	9.75	9.75	9.75	9.75	35.25	12.25	12.25	34.25	30.625				
27	1SV19EC029	SUPRIYA. N.	23	28	30	23	14	14	30	2.5	2.5	2.5	2.5	48	12	12	12	12	37.5	28.5	28.5	44.5	29.125				
28	1SV19EC030	YASHWANTH. C.	4	4	26	4	2	2	26	2.5	2.5	2.5	2.5	21	5.25	5.25	5.25	5.25	11.75	9.75	9.75	33.75	25.5				
29	1SV19EC032	SHANKAR	22	28	30	22	14	14	30	2.5	2.5	2.5	2.5	29	7.25	7.25	7.25	7.25	31.75	23.75	23.75	39.75	23				
30	1SV19EC033	PREKSHA NAYAK	22	0	23	22	0	0	23	2.5	2.5	2.5	2.5	24	6	6	6	6	30.5	8.5	8.5	31.5	24.75				
31	1SV20EC400	BINDU TS	23	22	30	23	11	11	30	2.5	2.5	2.5	2.5	30	7.5	7.5	7.5	7.5	33	21	21	40	24.25				
32	1SV20EC401	GANASHREE K R	28	27	21	28	13.5	13.5	21	2.5	2.5	2.5	2.5	36	9	9	9	9	39.5	25	25	32.5	29.625				
33	1SV20EC402	LAVANYA K R	26	21	30	26	10.5	10.5	30	2.5	2.5	2.5	2.5	28	7	7	7	7	35.5	20	20	39.5	29.625				
																				35.23485	22.68939	22.68939	38.7197	29.63636			
																					71.99%	68.18%	68.18%	68.18%	68.18%		

Noor D
COURSE INSTRUCTOR

Aje
HOD
HOD
Dept of E&C
SIET, Tumkur-6

PRINCIPAL
Niranjini B
PRINCIPAL
SIET. TUMKUR.



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

SUBJECT	Digital signal processing	SUBJECT CODE	21EC42
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COURSE OUTCOME

CO 1. Preparation: To prepare students with fundamental knowledge/ overview in the field of Digital Signal Processing

CO 2. Core Competence: To equip students with a basic foundation of Signal Processing by delivering the basics of Discrete Fourier Transforms & their properties, design of filters and overview of digital signal processors

PROGRAM OUTCOMES

- P01** Engineering knowledge: An ability to apply knowledge of mathematics (including probability, statistics and discrete mathematics), science, and engineering for solving Engineering problems and Knowledge.
- P02** Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- P03** Design / development of solutions: An ability to design solution for engineering problems and design system components or process to meet desired specifications and needs.
- P04** Conduct investigations of complex Problem: An ability to identify, formulate, comprehend, analyze, design synthesis of the information to solve complex engineering problems and provide valid conclusions.
- P05** Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling to complex engineering activities.
- P06** The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues.
- P07** Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- P08** Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- P09** Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- P010** Communication: Communicate effectively on complex engineering activities with the engineering community and with the society.
- P011** Project management and finance: An ability to use the modern engineering tools, techniques, skills and management principles to do work as a member and leader in a team, to manage projects in multidisciplinary environments.
- P012** Life-long learning: A recognition of the need for, and an ability to engage in, to resolve contemporary issues and acquire lifelong learning.

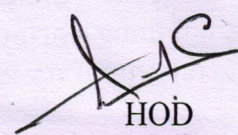
COLLEGE	SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY											
FACULTY NAME	PROF. PRADEEP KGM											
BRANCH	ECE			ACADEMIC YEAR				2022-23				
COURSE	B.E	SEMESTER			IV	SECTION			ECE			
SUBJECT	Digital signal processing					SUBJECT CODE			21EC42			
CO & PO MAPPING												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	2	-	-								
CO2	2	3	-	2								
AVERAGE	2	2.5	-	2								
OVERALL MAPPING OF SUBJECT												2.325

CO AND PO ATTAINMENT

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	66.32	1.32	1.32	-	-								
CO2	61.16	1.22	1.8	-	1.22								
AVERAGE	63.7	1.27	1.56		1.22								
FINAL ATTAINMENT LEVEL													1.35



COURSE INSTRUCTOR



HOD
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Dept of E&C
SIET, Tumkur-6

Roll No.	USN	Name	21EC42		2022-2023 EVEN		SEM -IV SEM		PROF. PRADEEP KGM		ASSIGNMENT and Quiz		DSP		SEEMARKS					TOTAL AVERAGE								
			T1(20)	T2(20)	T3(20)	T4	CO1-20	CO2-20	CO3-20	CO4-10	CO5-10	CO1-5	CO2-5	CO3-5	CO4-5	CO5-5	50	CO1-10	CO2-10		CO3-10	CO4-10	CO5-10	CO1-20	CO2-20	CO3-20	CO4-20	CO5-20
1	ISV21EC001	ABHINAV H K	8	2	5	8	1	1	2.5	2.5	6	6	6	6	6	14	2.8	4.2	4.2	4.2	4.2	16.8	11.2	11.2	12.7	12.7	12.92	
2	ISV21EC002	ASHVITH R	20	20	20	20	10	10	10	10	6	6	6	6	6	35	7	4.2	4.2	4.2	4.2	33	20.2	20.2	20.2	20.2	17.84	
3	ISV21EC003	BHAVANA M S	20	20	18	20	10	10	9	9	6	6	6	6	6	28	5.6	4.2	4.2	4.2	4.2	31.6	20.2	20.2	19.2	19.2	22.42	
4	ISV21EC004	DASARI SAI CHARAN	12	1	5	12	0.5	0.5	2.5	2.5	6	6	6	6	6	13	2.6	4.2	4.2	4.2	4.2	20.6	10.7	10.7	12.7	12.7	17.78	
5	ISV21EC005	DIVYASHREE S S	11	7	11	11	3.5	3.5	6.5	6.5	6	6	6	6	6	12	2.4	4.2	4.2	4.2	4.2	19.4	13.7	13.7	15.7	15.7	14.56	
6	ISV21EC006	GAGAN KUMAR N	16	1	14	16	0.5	0.5	7	7	6	6	6	6	6	18	3.6	4.2	4.2	4.2	4.2	25.6	10.7	10.7	17.2	17.2	15.96	
7	ISV21EC007	GOWTHAMI R L	15	8	15	15	4	4	7.5	7.5	6	6	6	6	6	18	3.6	4.2	4.2	4.2	4.2	24.6	14.2	14.2	17.7	17.7	16.98	
8	ISV21EC008	HANAVESI T D	20	20	19	20	10	10	9.5	9.5	6	6	6	6	6	29	5.8	4.2	4.2	4.2	4.2	31.8	20.2	20.2	19.7	19.7	20	
9	ISV21EC009	HAASHITHA T	20	20	17	20	10	10	8.5	8.5	6	6	6	6	6	28	5.6	4.2	4.2	4.2	4.2	31.6	20.2	20.2	18.7	18.7	22.1	
10	ISV21EC010	KAJVA S M	20	19	19	20	9.5	9.5	9.5	9.5	6	6	6	6	6	27	5.4	4.2	4.2	4.2	4.2	31.4	19.7	19.7	19.7	19.7	21.96	
11	ISV21EC011	KEERTI KOTTEPA KUDAMANI	17	10	10	17	10	10	9	9	6	6	6	6	6	28	5.6	4.2	4.2	4.2	4.2	28.6	20.2	20.2	19.2	19.2	21.76	
12	ISV21EC012	LAKSHI D	3	5	2	3	2.5	2.5	1	1	6	6	6	6	6	12	2.4	4.2	4.2	4.2	4.2	11.4	12.7	12.7	11.2	11.2	16.66	
13	ISV21EC013	M VEDA	20	19	19	20	9.5	9.5	9.5	9.5	6	6	6	6	6	29	5.8	4.2	4.2	4.2	4.2	31.8	19.7	19.7	19.7	19.7	16.98	
14	ISV21EC014	MAMATHA N	20	19	16	20	9.5	9.5	8	8	6	6	6	6	6	29	5.8	4.2	4.2	4.2	4.2	31.8	19.7	19.7	18.2	18.2	21.82	
15	ISV21EC015	MEGHANA M P	20	20	18	20	10	10	10	10	6	6	6	6	6	29	5.8	4.2	4.2	4.2	4.2	31.8	20.2	20.2	19.2	19.2	21.82	
16	ISV21EC016	MOHAMMED SAAD SIDDIQ	13	1	10	13	0.5	0.5	5	5	6	6	6	6	6	9	1.8	4.2	4.2	4.2	4.2	20.8	10.7	10.7	15.2	15.2	18.32	
17	ISV21EC017	MOHAN K R	2	1	1	2	0.5	0.5	0.5	0.5	6	6	6	6	6	18	3.6	4.2	4.2	4.2	4.2	11.6	10.7	10.7	10.7	10.7	12.7	
18	ISV21EC018	MONIKA K R	20	19	16	20	9.5	9.5	8	8	6	6	6	6	6	26	5.2	4.2	4.2	4.2	4.2	31.2	19.7	19.7	18.2	18.2	16.14	
19	ISV21EC019	NANDAN KUMAR T	18	20	20	18	10	10	10	10	6	6	6	6	6	33	6.6	4.2	4.2	4.2	4.2	30.6	20.2	20.2	20.2	20.2	21.84	
20	ISV21EC020	NANDINI T	20	20	13	20	10	10	6.5	6.5	6	6	6	6	6	25	5	4.2	4.2	4.2	4.2	31	20.2	20.2	16.7	16.7	21.62	
21	ISV21EC021	NAVENA K J	2	1	7	2	0.5	0.5	3.5	3.5	6	6	6	6	6	18	3.6	4.2	4.2	4.2	4.2	11.6	10.7	10.7	13.7	13.7	16.52	
22	ISV21EC022	NETHRAVATHIS V	13	8	5	13	4	4	2.5	2.5	6	6	6	6	6	20	4	4.2	4.2	4.2	4.2	23	14.2	14.2	12.7	12.7	13.72	
23	ISV21EC023	NIBHARICA S	18	20	19	18	10	10	9.5	9.5	6	6	6	6	6	25	5	4.2	4.2	4.2	4.2	29	20.2	20.2	19.7	19.7	18.56	
24	ISV19EC027	NOVASHREE V	20	17	19	20	8.5	8.5	9.5	9.5	6	6	6	6	6	29	5.8	4.2	4.2	4.2	4.2	31.8	18.7	18.7	19.7	19.7	21.74	
25	ISV19EC028	R F THARSHITH PATIL	11	16	12	11	8	8	6	6	6	6	6	6	6	14	2.8	4.2	4.2	4.2	4.2	19.8	18.2	18.2	16.2	16.2	19.72	
26	ISV19EC029	SANGEETHA BASAVAREDDY	12	12	7	12	6	6	3.5	3.5	6	6	6	6	6	24	4.8	4.2	4.2	4.2	4.2	22.8	16.2	16.2	13.7	13.7	17.12	
27	ISV21EC024	SAJANA N J	2	4	7	2	2	2	3.5	3.5	6	6	6	6	6	9	1.8	4.2	4.2	4.2	4.2	9.8	12.2	12.2	13.7	13.7	14.42	
28	ISV21EC025	SHARATH KUMAR C N	13	1	1	13	0.5	0.5	0.5	0.5	6	6	6	6	6	6	6	1.2	4.2	4.2	4.2	4.2	20.2	10.7	10.7	10.7	10.7	12.46
29	ISV21EC027	SHOBHARAJ H L	16	17	18	16	8.5	8.5	9	9	6	6	6	6	6	23	4.6	4.2	4.2	4.2	4.2	26.6	18.7	18.7	19.2	19.2	16.54	
30	ISV21EC028	SUPRITH K U	8	3	7	8	1.5	1.5	3.5	3.5	6	6	6	6	6	18	3.6	4.2	4.2	4.2	4.2	17.6	11.7	11.7	13.7	13.7	17.08	
31	ISV21EC029	SYED AYAZ	15	2	0	15	1	1	0	0	6	6	6	6	6	11	2.2	4.2	4.2	4.2	4.2	23.2	11.2	11.2	10.2	10.2	13.44	
32	ISV21EC030	THANUJA	18	20	18	18	10	10	9	9	6	6	6	6	6	29	5.8	4.2	4.2	4.2	4.2	29.8	20.2	20.2	19.2	19.2	17.46	
33	ISV21EC031	USHA R	20	15	20	20	7.5	7.5	10	10	6	6	6	6	6	26	5.2	4.2	4.2	4.2	4.2	31.2	17.7	17.7	20.2	20.2	21.56	
34	ISV21EC032	VAISHNAVI C T	18	18	15	18	9	9	7.5	7.5	6	6	6	6	6	21	4.2	4.2	4.2	4.2	4.2	28.2	19.2	19.2	17.7	17.7	20.9	
35	ISV21EC030	JYOTHI N	18	18	10	18	9	9	5	5	6	6	6	6	6	9	1.8	4.2	4.2	4.2	4.2	25.8	19.2	19.2	15.2	15.2	19.66	
36	ISV21EC031	PRIVANKA N	18	18	0	18	9	9	0	0	6	6	6	6	6	13	2.6	4.2	4.2	4.2	4.2	26.6	19.2	19.2	10.2	10.2	17.12	
37	ISV21EC032	SHASHANK P	18	18	5	18	9	9	2.5	2.5	6	6	6	6	6	4	0.8	4.2	4.2	4.2	4.2	24.8	19.2	19.2	12.7	12.7	17.4	
38	ISV21EC033	SHIVARAJ M H	18	0	0	18	9	9	0	0	6	6	6	6	6	0	0	4.2	4.2	4.2	4.2	6	19.2	19.2	10.2	10.2	15.34	
39	ISV21EC034	Pushpalatha	18	17	15	18	8.5	8.5	7.5	7.5	6	6	6	6	6	26	5.2	4.2	4.2	4.2	4.2	29.2	18.7	18.7	17.7	17.7	16.68	
40	ISV21EC035	JAMUNA S	19	13	18	19	6.5	6.5	9	9	6	6	6	6	6	23	4.6	4.2	4.2	4.2	4.2	29.6	16.7	16.7	19.2	19.2	20.34	
41	ISV21EC036	NIVEDITHA N	18	15	13	18	7.5	7.5	6.5	6.5	6	6	6	6	6	21	4.2	4.2	4.2	4.2	4.2	28.2	17.7	17.7	16.7	16.7	19.84	
42	ISV21EC037	PREETHI A	20	18	20	20	9	9	10	10	6	6	6	6	6	45	9	4.2	4.2	4.2	4.2	35	19.2	19.2	20.2	20.2	22.76	
																						25.1619	16.75952	16.75952	16.29524	16.29524		
																							69.89%	64.46%	64.46%	62.67%	62.67%	

HOD

Dept of E&C
HOP SIET, Tumkur-6

COURSE INSTRUCTOR

PRINCIPAL



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

SUBJECT	Circuits & Controls	SUBJECT CODE	21EC43
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COURSE OUTCOME

- CO 1.** Apply mesh and nodal techniques to solve an electrical network.
- CO 2** Solve different problems related to Electrical circuits using Network Theorems and Two port network.
- CO 3.** Familiarize with the use of Laplace transforms to solve network problems
- CO 4.** Understand basics of control systems and design mathematical models using block diagram reduction, SFG, etc.
- CO 5.** Understand Time domain and Frequency domain analysis.

PROGRAM OUTCOMES

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

COLLEGE	SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY											
FACULTY NAME	Prof. Raghavendra D											
BRANCH	ECE			ACADEMIC YEAR				2022-23				
COURSE	B.E	SEMESTER			IV	SECTION			ECE			
SUBJECT	Circuits & Controlsc						SUBJECT CODE		21EC43			
CO & PO MAPPING												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	2	-	-								
CO2	2	3	-	-								
CO3	2	-	-	2								
CO4	-	3		2								
CO5												
AVERAGE	2	2.6		2								
OVERALL MAPPING OF SUBJECT												2.2

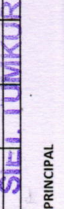
CO AND PO ATTAINMENT

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	84.70%	1.69	1.69	-	-								
CO2	67.44%	1.34	2.02	-	-								
CO3	67.44%	1.34	-	-	1.34								
CO4	67.44%	-	2.02		1.34								
CO5	67.44%												
AVERAGE	70.80	1.45	1.91		1.34								
FINAL ATTAINMENT LEVEL													1.56

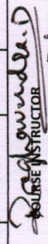
Raghavendra D
 COURSE INSTRUCTOR

~~HOD~~
 HOD
 Dept of E&C
 SIET, Tumkur-6

Roll No	USN	Name	ZIEC43		2022-2023 EVEN		SEM - IV SEM		PROF. RAGHAVENDRA D				C & C		SEE MARKS					Final		TOTAL AVERAGE						
			T1(40)	T2(20)	T3(20)	CO1-20	CO2-10	CO3-10	CO4-10	CO5-10	CO1-6	CO2-6	CO3-6	CO4-6	CO5-6	50	CO1-10	CO2-10	CO3-10	CO4-10	CO5-10		CO1-26	CO2-26	CO3-26	CO4-26	CO5-26	
1	ISV2IEC001	ABHISHEK H K	30	20	20	30	10	10	10	6	6	6	6	6	10	2	4.2	4.2	4.2	4.2	4.2	38	20.2	20.2	20.2	20.2	20.2	23.76
2	ISV2IEC002	ASHWINI R	40	20	20	40	10	10	10	6	6	6	6	6	24	4.8	4.2	4.2	4.2	4.2	50.8	20.2	20.2	20.2	20.2	20.2	25.04	
3	ISV2IEC003	BAHAVANA M S	40	20	20	40	10	10	10	6	6	6	6	6	29	5.8	4.2	4.2	4.2	4.2	51.8	20.2	20.2	20.2	20.2	20.2	26.42	
4	ISV2IEC004	DANARI SAI CHARAN	30	10	10	30	5	5	5	6	6	6	6	6	6	1.2	4.2	4.2	4.2	4.2	37.2	15.2	15.2	15.2	15.2	15.2	23.06	
5	ISV2IEC005	DIVYASHREE S S	37	16	16	37	8	8	8	6	6	6	6	6	2	0.4	4.2	4.2	4.2	4.2	43.4	18.2	18.2	18.2	18.2	18.2	21.42	
6	ISV2IEC006	GAGAN KUMAR N	36	8	8	36	4	4	4	6	6	6	6	6	18	3.6	4.2	4.2	4.2	4.2	45.6	14.2	14.2	14.2	14.2	14.2	21.86	
7	ISV2IEC007	GONTHAMI FL	34	18	18	34	9	9	9	6	6	6	6	6	18	3.6	4.2	4.2	4.2	4.2	43.6	19.2	19.2	19.2	19.2	19.2	22.28	
8	ISV2IEC008	HANSAVENI TD	40	18	18	40	9	9	9	6	6	6	6	6	26	5.2	4.2	4.2	4.2	4.2	51.2	19.2	19.2	19.2	19.2	19.2	24.84	
9	ISV2IEC009	HARSHITHA T	38	18	18	38	9	9	9	6	6	6	6	6	18	3.6	4.2	4.2	4.2	4.2	47.6	19.2	19.2	19.2	19.2	19.2	25.24	
10	ISV2IEC010	KAVYA S M	36	17	17	36	8.5	8.5	8.5	6	6	6	6	6	11	2.2	4.2	4.2	4.2	4.2	44.2	18.7	18.7	18.7	18.7	18.7	24.34	
11	ISV2IEC011	KEERTIKOTHEA DUDAMANI	38	19	19	38	9.5	9.5	9.5	6	6	6	6	6	12	2.4	4.2	4.2	4.2	4.2	46.4	19.7	19.7	19.7	19.7	19.7	24.42	
12	ISV2IEC012	KRISH D	32	10	10	32	5	5	5	6	6	6	6	6	9	1.8	4.2	4.2	4.2	4.2	39.8	15.2	15.2	15.2	15.2	15.2	22.58	
13	ISV2IEC013	M VEDA	40	20	20	40	10	10	10	6	6	6	6	6	32	6.4	4.2	4.2	4.2	4.2	52.4	20.2	20.2	20.2	20.2	20.2	23.38	
14	ISV2IEC014	MAMATHA N	40	19	19	40	9.5	9.5	9.5	6	6	6	6	6	19	3.8	4.2	4.2	4.2	4.2	49.8	19.7	19.7	19.7	19.7	19.7	26.18	
15	ISV2IEC015	MEGHANA M P	40	16	16	40	8	8	8	6	6	6	6	6	20	4	4.2	4.2	4.2	4.2	50	18.2	18.2	18.2	18.2	18.2	25.14	
16	ISV2IEC016	MOHAMMEDSAAD SHIQIQ	7	10	10	7	5	5	5	6	6	6	6	6	11	2.2	4.2	4.2	4.2	4.2	15.2	15.2	15.2	15.2	15.2	15.2	19.88	
17	ISV2IEC017	MOHAN K R	4	6	6	4	3	3	3	6	6	6	6	6	18	3.6	4.2	4.2	4.2	4.2	13.6	13.2	13.2	13.2	13.2	13.2	14.24	
18	ISV2IEC018	MONIKA K R	40	18	18	40	9	9	9	6	6	6	6	6	21	4.2	4.2	4.2	4.2	4.2	50.2	19.2	19.2	19.2	19.2	19.2	19.34	
19	ISV2IEC019	NANDAN KUMAR T	40	20	20	40	10	10	10	6	6	6	6	6	36	7.2	4.2	4.2	4.2	4.2	53.2	20.2	20.2	20.2	20.2	20.2	26.1	
20	ISV2IEC020	NANDINI T	30	20	20	30	10	10	10	6	6	6	6	6	14	2.8	4.2	4.2	4.2	4.2	38.8	20.2	20.2	20.2	20.2	20.2	25.36	
21	ISV2IEC021	NAVYENA K J	0	8	8	0	4	4	4	6	6	6	6	6	0	0	4.2	4.2	4.2	4.2	6	14.2	14.2	14.2	14.2	14.2	18.24	
22	ISV2IEC022	NETHRAVATHIS V	36	18	18	36	9	9	9	6	6	6	6	6	6	1.2	4.2	4.2	4.2	4.2	43.2	19.2	19.2	19.2	19.2	19.2	18.28	
23	ISV2IEC023	NIHARAKAS	40	20	20	40	10	10	10	6	6	6	6	6	22	4.4	4.2	4.2	4.2	4.2	50.4	20.2	20.2	20.2	20.2	20.2	25.12	
24	ISV19EC027	POOJASHREE V	40	20	20	40	10	10	10	6	6	6	6	6	18	3.6	4.2	4.2	4.2	4.2	49.6	20.2	20.2	20.2	20.2	20.2	26.16	
25	ISV19EC028	R.F HANSHITHA PATIL	32	17	17	32	8.5	8.5	8.5	6	6	6	6	6	9	1.8	4.2	4.2	4.2	4.2	39.8	18.7	18.7	18.7	18.7	18.7	24.5	
26	ISV19EC029	SANDEEPA BASAVAREDDY	37	16	16	37	8	8	8	6	6	6	6	6	24	4.8	4.2	4.2	4.2	4.2	47.8	18.2	18.2	18.2	18.2	18.2	23.52	
27	ISV2IEC024	SANJANA R J	9	19	19	9	9.5	9.5	9.5	6	6	6	6	6	6	1.2	4.2	4.2	4.2	4.2	16.2	19.7	19.7	19.7	19.7	19.7	21.56	
28	ISV2IEC025	SHARATH KUMAR C N	29	9	9	29	4.5	4.5	4.5	6	6	6	6	6	0	0	4.2	4.2	4.2	4.2	35	14.7	14.7	14.7	14.7	14.7	18.88	
29	ISV2IEC027	SHOBHARA HL	40	10	10	40	5	5	5	6	6	6	6	6	18	3.6	4.2	4.2	4.2	4.2	49.6	15.2	15.2	15.2	15.2	15.2	20.42	
30	ISV2IEC028	SUPRITH K U	22	19	19	22	9.5	9.5	9.5	6	6	6	6	6	7	1.4	4.2	4.2	4.2	4.2	29.4	19.7	19.7	19.7	19.7	19.7	21.86	
31	ISV2IEC029	SYED AYAZ	38	12	12	38	6	6	6	6	6	6	6	6	6	1.2	4.2	4.2	4.2	4.2	45.2	16.2	16.2	16.2	16.2	16.2	21.82	
32	ISV2IEC030	THANUJA	40	13	13	40	6.5	6.5	6.5	6	6	6	6	6	27	5.4	4.2	4.2	4.2	4.2	51.4	16.7	16.7	16.7	16.7	16.7	22.82	
33	ISV2IEC031	USHA R	40	20	20	40	10	10	10	6	6	6	6	6	21	4.2	4.2	4.2	4.2	4.2	50.2	20.2	20.2	20.2	20.2	20.2	24.92	
34	ISV2IEC032	VASHNAVIC T	40	20	20	40	10	10	10	6	6	6	6	6	18	3.6	4.2	4.2	4.2	4.2	49.6	20.2	20.2	20.2	20.2	20.2	26.14	
35	ISV2IEC400	IVOTHI N	37	20	18	37	9	9	9	6	6	6	6	6	12	2.4	4.2	4.2	4.2	4.2	45.4	19.2	19.2	19.2	19.2	19.2	25.26	
36	ISV2IEC401	PRIVANKA N	9	18	13	9	0	0	0	6	6	6	6	6	7	1.4	4.2	4.2	4.2	4.2	16.4	10.2	10.2	10.2	10.2	10.2	22	
37	ISV2IEC402	SHASHANK P	29	18	14	29	9	9	9	7	7	7	7	7	5	1	4.2	4.2	4.2	4.2	36	19.2	19.2	19.2	19.2	19.2	17.9	
38	ISV2IEC403	SHIVARAM M H C.K	40	18	17	40	9	9	9	8.5	8.5	8.5	8.5	8.5	16	3.2	4.2	4.2	4.2	4.2	49.2	19.2	19.2	19.2	19.2	19.2	23.38	
39	ISV2IEC404	Pushpalatha	40	18	18	40	9	9	9	6	6	6	6	6	31	6.2	4.2	4.2	4.2	4.2	52.2	19.2	19.2	19.2	19.2	19.2	25.4	
40	ISV2IEC405	JAMUNA S	40	20	20	40	10	10	10	6	6	6	6	6	18	3.6	4.2	4.2	4.2	4.2	49.6	20.2	20.2	20.2	20.2	20.2	25.94	
41	ISV2IEC406	NIVEDITHA N	40	16	16	40	8	8	8	6	6	6	6	6	4	0.8	4.2	4.2	4.2	4.2	46.8	18.2	18.2	18.2	18.2	18.2	25	
42	ISV2IEC407	PREETHI A	40	18	18	40	9	9	9	6	6	6	6	6	33	6.6	4.2	4.2	4.2	4.2	52.6	19.2	19.2	19.2	19.2	19.2	25.88	
																					42.24762	18.17619	18.17619	18.27143	18.27143	18.27143		
																					117.35%	69.91%	69.91%	70.27%	70.27%	70.27%		


 S.F. LUMKUR
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 DEPT OF E&C



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

SUBJECT	COMMUNICATION THEORY	SUBJECT CODE	21EC44
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COURSE OUTCOME

- CO 1.** Write Understand and analyse concepts of Analog Modulation schemes viz; AM, FM., Low pass sampling and Quantization as a random process.
- CO 2.** Understand and analyse concepts digitization of signals viz; sampling, quantizing and encoding.
- CO 3.** Evolve the concept of SNR in the presence of channel induced noise and study Demodulation of analog modulated signals
- CO 4.** Evolve the concept of quantization noise for sampled and encoded signals and study the concepts of reconstruction from these samples at a receiver.

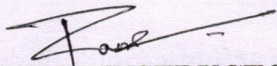
PROGRAM OUTCOMES

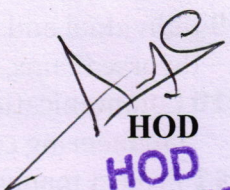
- P01** Engineering knowledge: An ability to apply knowledge of mathematics (including probability, statistics and discrete mathematics), science, and engineering for solving Engineering problems and Knowledge.
- P02** Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- P03** Design / development of solutions: An ability to design solution for engineering problems and design system components or process to meet desired specifications and needs.
- P04** Conduct investigations of complex Problem: An ability to identify, formulate, comprehend, analyze, design synthesis of the information to solve complex engineering problems and provide valid conclusions.
- P05** Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling to complex engineering activities.
- P06** The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues.
- P07** Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- P08** Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- P09** Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- P010** Communication: Communicate effectively on complex engineering activities with the engineering community and with the society.
- P011** Project management and finance: An ability to use the modern engineering tools, techniques, skills and management principles to do work as a member and leader in a team, to manage projects in multidisciplinary environments.
- P012** Life-long learning: A recognition of the need for, and an ability to engage in, to resolve contemporary issues and acquire lifelong learning.

COLLEGE	SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY											
FACULTY NAME	Mrs.ROOPA T C											
BRANCH	ECE			ACADEMIC YEAR				2022-23				
COURSE	B.E	SEMESTER			IV	SECTION			ECE			
SUBJECT	COMMUNICATION THEORY					SUBJECT CODE			21EC44			
CO & PO MAPPING												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	-	-	-								
CO2	2	3	-	-								
CO3	3	-	-	2								
CO4	-	-	2	-								
AVERAGE	2.3	3	2	2								
OVERALL MAPPING OF SUBJECT												2.325

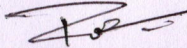
CO AND PO ATTAINMENT

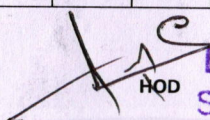
	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	74.68	1.03	-	-	-								
CO2	67.30	1.09	1.64	-	-								
CO3	67.30	1.64	-	-	1.09								
CO4	65.70	-	-	1.06	-								
AVERAGE	68.75	1.25	1.64	1.06	1.09								
FINAL ATTAINMENT LEVEL													1.26

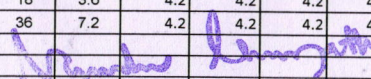

COURSE INSTRUCTOR


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Roll No.	USN	Name	21EC44		2022-2023 EVEN					SEM :IV SEM		PROF. ROOPA T C					COMMUNICATION THEORY					Final					TOTAL AVERAGE
			T1(20)	T2(20)	T3(20)	T1	T2		T3		ASSIGNMENT and Quiz 30/5					SEE MARKS											
			CO1-20	CO2-10	CO3-10	CO4-10	CO5-10	CO1-6	CO2-6	6	6	6	6	6	50	CO1-10	CO2-10	CO3-10	CO4-10	CO5-10	CO1-36	CO2-26	CO3-26	CO4-26	CO5-26		
1	1SV21EC001	ABHISHEK H K	16	8	11	16	4	4	5.5	5.5	6	6	6	6	6	22	4.4	4.2	4.2	4.2	4.2	26.4	14.2	14.2	15.7	15.7	17.24
2	1SV21EC002	ASHWINI R	20	20	20	20	10	10	10	10	6	6	6	6	6	33	6.6	4.2	4.2	4.2	4.2	32.6	20.2	20.2	20.2	20.2	19.96
3	1SV21EC003	BHAVANA M S	20	20	20	20	10	10	10	10	6	6	6	6	6	34	6.8	4.2	4.2	4.2	4.2	32.8	20.2	20.2	20.2	20.2	22.7
4	1SV21EC004	DASARI SAI CHARAN	12	12	11	12	6	6	5.5	5.5	6	6	6	6	6	18	3.6	4.2	4.2	4.2	4.2	21.6	16.2	16.2	15.7	15.7	19.9
5	1SV21EC005	DIVYASHREE S S	14	8	14	14	4	4	7	7	6	6	6	6	6	36	7.2	4.2	4.2	4.2	4.2	27.2	14.2	14.2	17.2	17.2	17.54
6	1SV21EC006	GAGAN KUMAR N	13	8	3	13	4	4	1.5	1.5	6	6	6	6	6	18	3.6	4.2	4.2	4.2	4.2	22.6	14.2	14.2	11.7	11.7	16.44
7	1SV21EC007	GOWTHAMI B L	14	19	16	14	9.5	9.5	8	8	6	6	6	6	6	26	5.2	4.2	4.2	4.2	4.2	25.2	19.7	19.7	18.2	18.2	17.54
8	1SV21EC008	HAMSAVENI T D	20	20	20	20	10	10	10	10	6	6	6	6	6	33	6.6	4.2	4.2	4.2	4.2	32.6	20.2	20.2	20.2	20.2	21.44
9	1SV21EC009	HARSHITHA T	20	20	20	20	10	10	10	10	6	6	6	6	6	38	7.6	4.2	4.2	4.2	4.2	33.6	20.2	20.2	20.2	20.2	22.78
10	1SV21EC010	KAVYA S M	19	20	18	19	10	10	9	9	6	6	6	6	6	25	5	4.2	4.2	4.2	4.2	30	20.2	20.2	19.2	19.2	22.32
11	1SV21EC011	KEERTI KOTEPPA DODAMANI	19	20	18	19	10	10	9	9	6	6	6	6	6	34	6.8	4.2	4.2	4.2	4.2	31.8	20.2	20.2	19.2	19.2	21.94
12	1SV21EC012	LOKESH D	13	3	8	13	1.5	1.5	4	4	6	6	6	6	6	35	7	4.2	4.2	4.2	4.2	26	11.7	11.7	14.2	14.2	18.84
13	1SV21EC013	M VEDA	20	20	17	20	10	10	8.5	8.5	6	6	6	6	6	20	4	4.2	4.2	4.2	4.2	30	20.2	20.2	18.7	18.7	18.56
14	1SV21EC014	MAMATHA N	19	19	19	19	9.5	9.5	9.5	9.5	6	6	6	6	6	33	6.6	4.2	4.2	4.2	4.2	31.6	19.7	19.7	19.7	19.7	21.82
15	1SV21EC015	MEGHANA M P	20	20	19	20	10	10	9.5	9.5	6	6	6	6	6	44	8.8	4.2	4.2	4.2	4.2	34.8	20.2	20.2	19.7	19.7	22.5
16	1SV21EC016	MOHAMMED SAAD SIDDIQ	10	6	3	10	3	3	1.5	1.5	6	6	6	6	6	10	2	4.2	4.2	4.2	4.2	18	13.2	13.2	11.7	11.7	18.24
17	1SV21EC017	MOHAN K. R	8	8	7	8	4	4	3.5	3.5	6	6	6	6	6	7	1.4	4.2	4.2	4.2	4.2	15.4	14.2	14.2	13.7	13.7	13.9
18	1SV21EC018	MONIKA K. R	20	19	19	20	9.5	9.5	9.5	9.5	6	6	6	6	6	40	8	4.2	4.2	4.2	4.2	34	19.7	19.7	19.7	19.7	18.4
19	1SV21EC019	NANDAN KUMAR T	18	20	20	18	10	10	10	10	6	6	6	6	6	39	7.8	4.2	4.2	4.2	4.2	31.8	20.2	20.2	20.2	20.2	22.54
20	1SV21EC020	NANDINI T	15	19	20	15	9.5	9.5	10	10	6	6	6	6	6	29	5.8	4.2	4.2	4.2	4.2	26.8	19.7	19.7	20.2	20.2	21.92
21	1SV21EC021	NAVEENA K. J	1	0	7	1	0	0	3.5	3.5	6	6	6	6	6	0	0	4.2	4.2	4.2	4.2	7	10.2	10.2	13.7	13.7	16.14
22	1SV21EC022	NETHRAVATHIS V	17	16	14	17	8	8	7	7	6	6	6	6	6	11	2.2	4.2	4.2	4.2	4.2	25.2	18.2	18.2	17.2	17.2	15.08
23	1SV21EC023	NIHARIKA S	20	12	14	20	6	6	7	7	6	6	6	6	6	39	7.8	4.2	4.2	4.2	4.2	33.8	16.2	16.2	17.2	17.2	19.66
24	1SV19EC027	POOJASHREE V	20	20	20	20	10	10	10	10	6	6	6	6	6	39	7.8	4.2	4.2	4.2	4.2	33.8	20.2	20.2	20.2	20.2	21.52
25	1SV19EC028	R.P HARSHITH PATIL	17	10	9	17	5	5	4.5	4.5	6	6	6	6	6	23	4.6	4.2	4.2	4.2	4.2	27.6	15.2	15.2	14.7	14.7	20.2
26	1SV19EC029	SANGEETHA BASAVAREDDY	17	16	16	17	8	8	8	8	6	6	6	6	6	25	5	4.2	4.2	4.2	4.2	28	18.2	18.2	18.2	18.2	18.82
27	1SV21EC024	SANIJANA N J	11	1	13	11	0.5	0.5	6.5	6.5	6	6	6	6	6	7	1.4	4.2	4.2	4.2	4.2	18.4	10.7	10.7	16.7	16.7	17.4
28	1SV21EC025	SHARATH KUMAR C. N	6	1	7	6	0.5	0.5	3.5	3.5	6	6	6	6	6	2	0.4	4.2	4.2	4.2	4.2	12.4	10.7	10.7	13.7	13.7	13.44
29	1SV21EC027	SHOBHARAJ H L	14	18	10	14	9	9	5	5	6	6	6	6	6	26	5.2	4.2	4.2	4.2	4.2	25.2	19.2	19.2	15.2	15.2	15.52
30	1SV21EC028	SUPRITH K U	11	11	11	11	5.5	5.5	5.5	5.5	6	6	6	6	6	20	4	4.2	4.2	4.2	4.2	21	15.7	15.7	15.7	15.7	17.78
31	1SV21EC029	SYED AYAZ	14	12	10	14	6	6	5	5	6	6	6	6	6	18	3.6	4.2	4.2	4.2	4.2	23.6	16.2	16.2	15.2	15.2	17.02
32	1SV21EC030	THANUJA	20	20	20	20	10	10	10	10	6	6	6	6	6	37	7.4	4.2	4.2	4.2	4.2	33.4	20.2	20.2	20.2	20.2	20.06
33	1SV21EC031	USHA R	18	20	19	18	10	10	9.5	9.5	6	6	6	6	6	18	3.6	4.2	4.2	4.2	4.2	27.6	20.2	20.2	19.7	19.7	22.16
34	1SV21EC032	VAISHNAVIC T	20	9	17	20	4.5	4.5	8.5	8.5	6	6	6	6	6	29	5.8	4.2	4.2	4.2	4.2	31.8	14.7	14.7	18.7	18.7	20.6
35	1SV22EC400	JYOTHI N	8	16	11	8	8	8	5.5	5.5	6	6	6	6	6	27	5.4	4.2	4.2	4.2	4.2	19.4	18.2	18.2	15.7	15.7	18.58
36	1SV22EC401	PRIYANKA. N	8	16	0	8	8	8	0	0	6	6	6	6	6	18	3.6	4.2	4.2	4.2	4.2	17.6	18.2	18.2	10.2	10.2	17.84
37	1SV22EC402	SHASHANK P	8	15	0	8	7.5	7.5	0	0	6	6	6	6	6	9	1.8	4.2	4.2	4.2	4.2	15.8	17.7	17.7	10.2	10.2	14.6
38	1SV22EC403	SHIVARAJ M H	18	15	0	18	7.5	7.5	0	0	6	6	6	6	6	22	4.4	4.2	4.2	4.2	4.2	28.4	17.7	17.7	10.2	10.2	15.58
39	1SV22EC404	C.K Pushpalatha	19	19	19	19	9.5	9.5	9.5	9.5	6	6	6	6	6	34	6.8	4.2	4.2	4.2	4.2	31.8	19.7	19.7	19.7	19.7	19.48
40	1SV22EC405	JAMUNA S	17	19	20	17	9.5	9.5	10	10	6	6	6	6	6	34	6.8	4.2	4.2	4.2	4.2	29.8	19.7	19.7	20.2	20.2	22.02
41	1SV22EC406	NIVEDITHA N	20	19	18	20	9.5	9.5	9	9	6	6	6	6	6	18	3.6	4.2	4.2	4.2	4.2	29.6	19.7	19.7	19.2	19.2	21.7
42	1SV22EC407	PREETHI A	30	19	20	30	9.5	9.5	10	10	6	6	6	6	6	36	7.2	4.2	4.2	4.2	4.2	43.2	19.7	19.7	20.2	20.2	24.6
																						26.886	17.498	17.49762	17.08095	17.08095	
																						74.68%	67.30%	67.30%	65.70%	65.70%	


COURSE INSTRUCTOR


HOD
Dept of E&C
SIET, Tumkur-6


PRINCIPAL
SIET, TUMKUR.



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

SUBJECT	BIOLOGY	SUBJECT CODE	21EC45
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COURSE OUTCOME

- CO 1.** To familiarize the students with the basic biological concepts and their engineering applications.
- CO 2.** To enable the students with an understanding of biodesign principles to create novel devices and structures
- CO 3.** To provide the students an appreciation of how biological systems can be re-designed as substitute products for natural systems
- CO 4.** To motivate the students develop the interdisciplinary vision of biological engineering.

PROGRAM OUTCOMES

- P01** Engineering knowledge: An ability to apply knowledge of mathematics (including probability, statistics and discrete mathematics), science, and engineering for solving Engineering problems and Knowledge.
- P02** Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- P03** Design / development of solutions: An ability to design solution for engineering problems and design system components or process to meet desired specifications and needs.
- P04** Conduct investigations of complex Problem: An ability to identify, formulate, comprehend, analyze, design synthesis of the information to solve complex engineering problems and provide valid conclusions.
- P05** Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling to complex engineering activities.
- P06** The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues.
- P07** Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- P08** Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- P09** Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- P010** Communication: Communicate effectively on complex engineering activities with the engineering community and with the society.
- P011** Project management and finance: An ability to use the modern engineering tools, techniques, skills and management principles to do work as a member and leader in a team, to manage projects in multidisciplinary environments.
- P012** Life-long learning: A recognition of the need for, and an ability to engage in, to resolve contemporary issues and acquire lifelong learning.

COLLEGE	SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY											
FACULTY NAME	Mrs.ARCHANA											
BRANCH	ECE			ACADEMIC YEAR				2022-23				
COURSE	B.E	SEMESTER			IV	SECTION			ECE			
SUBJECT	BIOLOGY						SUBJECT CODE		21EC45			
CO & PO MAPPING												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	-	-	-								
CO2	2	3	-	-								
CO3	3	-	-	2								
CO4	-	-	2	-								
CO5				2								
AVERAGE	2.3	3	2	2								
OVERALL MAPPING OF SUBJECT											2.325	

CO AND PO ATTAINMENT

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	90.50	1.8	-	-	-								
CO2	72.28	1.4	2.1	-	-								
CO3	64.55	1.9	-	-	1.2								
CO4	64.55	-	-	1.2	-								
CO5	90.50				1.8								
AVERAGE	53.61	1.25	1.64	1.06	1.09								
FINAL ATTAINMENT LEVEL												1.26	

Archana
COURSE INSTRUCTOR

AS
HOD
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Dept of E&C
SIET, Tumkur-6

Roll No.	USN	Name	21EC45			2022-2023 EVEN			SEM :IV SEM		PROF. ARCHANA				BIOLOGY		SEE MARKS					Final					TOTAL AVERAGE
			T1(20)	T2(20)	T3(20)	CO1-20	CO2-10	CO3-10	CO4-10	CO5-10	CO1-6	CO2-6	CO3-6	CO4-6	CO5-6	50	CO1-10	CO2-10	CO3-10	CO4-10	CO5-10	CO1-46	CO2-36	CO3-36	CO4-26	CO5-26	
			ASSIGNMENT and Quiz 30/5																								
1	ISV21EC001	ABHISHEK H K	37	27	6	37	13.5	13.5	3	3	6	6	6	6	6	18	3.6	4.2	4.2	4.2	4.2	46.6	23.7	23.7	13.2	13.2	24.08
2	ISV21EC002	ASHWINI R	37	40	20	37	20	20	10	10	6	6	6	6	6	33	6.6	4.2	4.2	4.2	4.2	49.6	30.2	30.2	20.2	20.2	27.08
3	ISV21EC003	BHAVANA M S	39	40	16	39	20	20	8	8	6	6	6	6	6	31	6.2	4.2	4.2	4.2	4.2	51.2	30.2	30.2	18.2	18.2	29.84
4	ISV21EC004	DASARI SAICHARAN	30	35	8	30	17.5	17.5	4	4	6	6	6	6	6	15	3	4.2	4.2	4.2	4.2	39	27.7	27.7	14.2	14.2	27.08
5	ISV21EC005	DIVYASHREE S S	35	40	12	35	20	20	6	6	6	6	6	6	6	25	5	4.2	4.2	4.2	4.2	46	30.2	30.2	16.2	16.2	26.16
6	ISV21EC006	GAGAN KUMAR N	36	27	11	36	13.5	13.5	5.5	5.5	6	6	6	6	6	28	5.6	4.2	4.2	4.2	4.2	47.6	23.7	23.7	15.7	15.7	26.52
7	ISV21EC007	GWTHAMI B L	23	40	10	23	20	20	5	5	6	6	6	6	6	20	4	4.2	4.2	4.2	4.2	33	30.2	30.2	15.2	15.2	25.02
8	ISV21EC008	HAMSAVENI T D	40	38	15	40	19	19	7.5	7.5	6	6	6	6	6	27	5.4	4.2	4.2	4.2	4.2	51.4	29.2	29.2	17.7	17.7	26.9
9	ISV21EC009	HAIRSHITHA T	37	39	16	37	19.5	19.5	8	8	6	6	6	6	6	37	7.4	4.2	4.2	4.2	4.2	50.4	29.7	29.7	18.2	18.2	29.14
10	ISV21EC010	KAVYA S M	34	39	18	34	19.5	19.5	9	9	6	6	6	6	6	21	4.2	4.2	4.2	4.2	4.2	44.2	29.7	29.7	19.2	19.2	28.82
11	ISV21EC011	KEERTI KOTEPPA DODAMANI	31	38	14	31	19	19	7	7	6	6	6	6	6	26	5.2	4.2	4.2	4.2	4.2	42.2	29.2	29.2	17.2	17.2	27.7
12	ISV21EC012	LOKESH D	28	37	18	28	18.5	18.5	9	9	6	6	6	6	6	27	5.4	4.2	4.2	4.2	4.2	39.4	28.7	28.7	19.2	19.2	27.02
13	ISV21EC013	M VEDA	40	40	16	40	20	20	8	8	6	6	6	6	6	34	6.8	4.2	4.2	4.2	4.2	52.8	30.2	30.2	18.2	18.2	28.48
14	ISV21EC014	MAMATHA N	33	39	13	33	19.5	19.5	6.5	6.5	6	6	6	6	6	26	5.2	4.2	4.2	4.2	4.2	44.2	29.7	29.7	16.7	16.7	28.66
15	ISV21EC015	MBGHANA M P	40	40	20	40	20	20	10	10	6	6	6	6	6	37	7.4	4.2	4.2	4.2	4.2	53.4	30.2	30.2	20.2	20.2	29.12
16	ISV21EC016	MOHAMMED SAAD SIDDIQ	6	19	9	6	9.5	9.5	4.5	4.5	6	6	6	6	6	20	4	4.2	4.2	4.2	4.2	16	19.7	19.7	14.7	14.7	23.9
17	ISV21EC017	MOHAN K R	17	0	5	17	0	0	2.5	2.5	6	6	6	6	6	23	4.6	4.2	4.2	4.2	4.2	27.6	10.2	10.2	12.7	12.7	15.82
18	ISV21EC018	MONIKA K R	40	38	17	40	19	19	8.5	8.5	6	6	6	6	6	32	6.4	4.2	4.2	4.2	4.2	52.4	29.2	29.2	18.7	18.7	22.16
19	ISV21EC019	NANDAN KUMAR T	38	40	20	38	20	20	10	10	6	6	6	6	6	31	6.2	4.2	4.2	4.2	4.2	50.2	30.2	30.2	20.2	20.2	29.92
20	ISV21EC020	NANDINI T	36	37	12	36	18.5	18.5	6	6	6	6	6	6	6	18	3.6	4.2	4.2	4.2	4.2	45.6	28.7	28.7	16.2	16.2	28.64
21	ISV21EC021	NAVEENA K J	36	15	7	36	7.5	7.5	3.5	3.5	6	6	6	6	6	28	5.6	4.2	4.2	4.2	4.2	47.6	17.7	17.7	13.7	13.7	24.58
22	ISV21EC022	NETHRAVATHI S V	37	38	16	37	19	19	8	8	6	6	6	6	6	22	4.4	4.2	4.2	4.2	4.2	47.4	29.2	29.2	18.2	18.2	25.26
23	ISV21EC023	NIHARIKA S	29	30	11	29	15	15	5.5	5.5	6	6	6	6	6	33	6.6	4.2	4.2	4.2	4.2	41.6	25.2	25.2	15.7	15.7	26.56
24	ISV19EC027	POOJASHREE V	40	38	19	40	19	19	9.5	9.5	6	6	6	6	6	26	5.2	4.2	4.2	4.2	4.2	51.2	29.2	29.2	19.7	19.7	27.24
25	ISV19EC028	R.P HAIRSHITH PATIL	34	37	16	34	18.5	18.5	8	8	6	6	6	6	6	22	4.4	4.2	4.2	4.2	4.2	44.4	28.7	28.7	18.2	18.2	28.72
26	ISV19EC029	SANGEETHA BASAVAREDDY	40	37	16	40	18.5	18.5	8	8	6	6	6	6	6	39	7.8	4.2	4.2	4.2	4.2	53.8	28.7	28.7	18.2	18.2	28.58
27	ISV21EC024	SANJANA N J	17	26	9	17	13	13	4.5	4.5	6	6	6	6	6	18	3.6	4.2	4.2	4.2	4.2	26.6	23.2	23.2	14.7	14.7	25
28	ISV21EC025	SHARATH KUMAR C N	31	38	13	31	19	19	6.5	6.5	6	6	6	6	6	13	2.6	4.2	4.2	4.2	4.2	39.6	29.2	29.2	16.7	16.7	23.38
29	ISV21EC027	SHORHARAJ H L	38	40	13	38	20	20	6.5	6.5	6	6	6	6	6	34	6.8	4.2	4.2	4.2	4.2	50.8	30.2	30.2	16.7	16.7	27.6
30	ISV21EC028	SUPRITH K U	32	38	15	32	19	19	7.5	7.5	6	6	6	6	6	18	3.6	4.2	4.2	4.2	4.2	41.6	29.2	29.2	17.7	17.7	28
31	ISV21EC029	SYED AYAZ	38	33	15	38	16.5	16.5	7.5	7.5	6	6	6	6	6	18	3.6	4.2	4.2	4.2	4.2	47.6	26.7	26.7	17.7	17.7	27.18
32	ISV21EC030	THANUJA	38	40	9	38	20	20	4.5	4.5	6	6	6	6	6	30	6	4.2	4.2	4.2	4.2	50	30.2	30.2	14.7	14.7	27.62
33	ISV21EC031	USHA R	37	40	18	37	20	20	9	9	6	6	6	6	6	27	5.4	4.2	4.2	4.2	4.2	48.4	30.2	30.2	19.2	19.2	28.7
34	ISV21EC032	VAISHNAVI C T	29	38	16	29	19	19	8	8	6	6	6	6	6	40	8	4.2	4.2	4.2	4.2	43	29.2	29.2	18.2	18.2	28.5
35	ISV22EC400	JYOTHI N	29	38	12	29	19	19	6	6	6	6	6	6	6	23	4.6	4.2	4.2	4.2	4.2	39.6	29.2	29.2	16.2	16.2	26.82
36	ISV22EC401	PRIYANKA N	29	38	13	29	19	19	6.5	6.5	6	6	6	6	6	18	3.6	4.2	4.2	4.2	4.2	38.6	29.2	29.2	16.7	16.7	26.97091
37	ISV22EC402	SHASHANK P	29	38	0	29	19	19	0	0	6	6	6	6	6	10	2	4.2	4.2	4.2	4.2	37	29.2	29.2	10.2	10.2	24.62
38	ISV22EC403	SHIVARAJ M H	29	38	14	29	19	19	7	7	6	6	6	6	6	26	5.2	4.2	4.2	4.2	4.2	40.2	29.2	29.2	17.2	17.2	24.88
39	ISV22EC404	C.K Pushpalatha	39	35	0	39	17.5	17.5	0	0	6	6	6	6	6	39	7.8	4.2	4.2	4.2	4.2	52.8	27.7	27.7	10.2	10.2	26.16
40	ISV22EC405	JAMUNA S	37	37	12	37	18.5	18.5	6	6	6	6	6	6	6	30	6	4.2	4.2	4.2	4.2	49	28.7	28.7	16.2	16.2	26.74
41	ISV22EC406	NIVEDITHA N	27	36	18	27	18	18	9	9	6	6	6	6	6	21	4.2	4.2	4.2	4.2	4.2	37.2	28.2	28.2	19.2	19.2	27.08
42	ISV22EC407	PREETHI A	40	40	15	40	20	20	7.5	7.5	6	6	6	6	6	38	7.6	4.2	4.2	4.2	4.2	53.6	30.2	30.2	17.7	17.7	29.88
																						44.39048	27.83095	27.83095	16.78333	16.78333	
																						96.50%	77.31%	77.31%	64.55%	64.55%	

Archana
COURSE INSTRUCTOR

HOD
Dept of E&C
SIET, Tumkur-6

PRINCIPAL

INCIPAL
TUMKUR.



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

SUBJECT	CIP	SUBJECT CODE	21EC47
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COURSE OUTCOME

- CO 1.** To familiarize the students with the basic biological concepts and their engineering applications.
- CO 2.** To enable the students with an understanding of biodesign principles to create novel devices and structures
- CO 3.** To provide the students an appreciation of how biological systems can be re-designed as substitute products for natural systems
- CO 4.** To motivate the students develop the interdisciplinary vision of biological engineering.

PROGRAM OUTCOMES

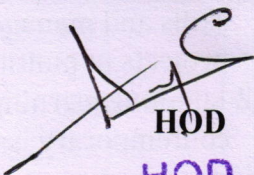
- P01** Engineering knowledge: An ability to apply knowledge of mathematics (including probability, statistics and discrete mathematics), science, and engineering for solving Engineering problems and Knowledge.
- P02** Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- P03** Design / development of solutions: An ability to design solution for engineering problems and design system components or process to meet desired specifications and needs.
- P04** Conduct investigations of complex Problem: An ability to identify, formulate, comprehend, analyze, design synthesis of the information to solve complex engineering problems and provide valid conclusions.
- P05** Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling to complex engineering activities.
- P06** The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues.
- P07** Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- P08** Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- P09** Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- P010** Communication: Communicate effectively on complex engineering activities with the engineering community and with the society.
- P011** Project management and finance: An ability to use the modern engineering tools, techniques, skills and management principles to do work as a member and leader in a team, to manage projects in multidisciplinary environments.
- P012** Life-long learning: A recognition of the need for, and an ability to engage in, to resolve contemporary issues and acquire lifelong learning.

COLLEGE	SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY											
FACULTY NAME	Mr. ASHWATH NARAYAN											
BRANCH	ECE			ACADEMIC YEAR				2022-23				
COURSE	B.E	SEMESTER			IV	SECTION			ECE			
SUBJECT	CIP					SUBJECT CODE			21EC47			
CO & PO MAPPING												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	-	-	-								
CO2	2	3	-	-								
CO3	3	-	-	2								
CO4	-	-	2	-								
CO5				2								
AVERAGE	2.3	3	2	2								
OVERALL MAPPING OF SUBJECT												2.325

CO AND PO ATTAINMENT

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	90.50	1.8	-	-	-								
CO2	72.28	1.4	2.1	-	-								
CO3	64.55	1.9	-	-	1.2								
CO4	64.55	-	-	1.2	-								
CO5	90.50				1.8								
AVERAGE	53.61	1.25	1.64	1.06	1.09								
FINAL ATTAINMENT LEVEL													1.26


COURSE INSTRUCTOR


HOD
HOD
Dept of E&C
SIET, Tumkur-6

Roll No.	USN	Name	21EC47			2022-2023 EVEN					SEM :IV SEM					MR.ASHWATH NARAYAN					CIP					TOTAL AVERAGE	
			T1(20)	T2(20)	T3(20)	T1		T2			T3		ASSIGNMENT and Quiz 30/5					SEE MARKS									
			CO1-20	CO2-10	CO3-10	CO4-10	CO5-10	CO1-6	CO2-6	CO3-6	CO4-6	CO5-6	50	CO1-10	CO2-10	CO3-10	CO4-10	CO5-10	CO1-36	CO2-26	CO3-26	CO4-26	CO5-26				
1	1SV21EC001	ABHISHEK H K	19	15	16	19	7.5	7.5	8	8	6	6	6	6	6	22	4.4	4.2	4.2	4.2	4.2	29.4	17.7	17.7	18.2	18.2	20.24
2	1SV21EC002	ASHWINI R	20	18	18	20	9	9	9	9	6	6	6	6	6	29	5.8	4.2	4.2	4.2	4.2	31.8	19.2	19.2	19.2	19.2	20.98
3	1SV21EC003	BHAVANA M S	18	16	19	18	8	8	9.5	9.5	6	6	6	6	6	31	6.2	4.2	4.2	4.2	4.2	30.2	18.2	18.2	19.7	19.7	21.46
4	1SV21EC004	DASARI SAI CHARAN	20	15	18	20	7.5	7.5	9	9	6	6	6	6	6	28	5.6	4.2	4.2	4.2	4.2	31.6	17.7	17.7	19.2	19.2	21.14
5	1SV21EC005	DIVYASHREE S S	20	16	20	20	8	8	10	10	6	6	6	6	6	25	5	4.2	4.2	4.2	4.2	31	18.2	18.2	20.2	20.2	21.32
6	1SV21EC006	GAGAN KUMAR N	19	15	19	19	7.5	7.5	9.5	9.5	6	6	6	6	6	26	5.2	4.2	4.2	4.2	4.2	30.2	17.7	17.7	19.7	19.7	21.28
7	1SV21EC007	GOWTHAMI B L	18	19	19	18	9.5	9.5	9.5	9.5	6	6	6	6	6	22	4.4	4.2	4.2	4.2	4.2	28.4	19.7	19.7	19.7	19.7	21.22
8	1SV21EC008	HAMSAVENI T D	18	17	18	18	8.5	8.5	9	9	6	6	6	6	6	30	6	4.2	4.2	4.2	4.2	30	18.7	18.7	19.2	19.2	21.3
9	1SV21EC009	HARSHITHA T	19	17	18	19	8.5	8.5	9	9	6	6	6	6	6	31	6.2	4.2	4.2	4.2	4.2	31.2	18.7	18.7	19.2	19.2	21.28
10	1SV21EC010	KAVYA S M	18	17	18	18	8.5	8.5	9	9	6	6	6	6	6	24	4.8	4.2	4.2	4.2	4.2	28.8	18.7	18.7	19.2	19.2	21.16
11	1SV21EC011	KEERTI KOTEPPA DODAMANI	18	15	18	18	7.5	7.5	9	9	6	6	6	6	6	28	5.6	4.2	4.2	4.2	4.2	29.6	17.7	17.7	19.2	19.2	20.8
12	1SV21EC012	LOKESH D	19	16	19	19	8	8	9.5	9.5	6	6	6	6	6	27	5.4	4.2	4.2	4.2	4.2	30.4	18.2	18.2	19.7	19.7	20.96
13	1SV21EC013	M VEDA	19	16	17	19	8	8	8.5	8.5	6	6	6	6	6	28	5.6	4.2	4.2	4.2	4.2	30.6	18.2	18.2	18.7	18.7	21.06
14	1SV21EC014	MAMATHA N	18	16	20	18	8	8	10	10	6	6	6	6	6	18	3.6	4.2	4.2	4.2	4.2	27.6	18.2	18.2	20.2	20.2	20.88
15	1SV21EC015	MEGHANA M P	19	17	17	19	8.5	8.5	8.5	8.5	6	6	6	6	6	31	6.2	4.2	4.2	4.2	4.2	31.2	18.7	18.7	18.7	18.7	21.04
16	1SV21EC016	MOHAMMED SAAD SIDDIQ	17	17	20	17	8.5	8.5	10	10	6	6	6	6	6	19	3.8	4.2	4.2	4.2	4.2	26.8	18.7	18.7	20.2	20.2	21.06
17	1SV21EC017	MOHAN K. R.	20	15	18	20	7.5	7.5	9	9	6	6	6	6	6	25	5	4.2	4.2	4.2	4.2	31	17.7	17.7	19.2	19.2	20.94
18	1SV21EC018	MONIKA K. R	19	16	17	19	8	8	8.5	8.5	6	6	6	6	6	30	6	4.2	4.2	4.2	4.2	31	18.2	18.2	18.7	18.7	20.96
19	1SV21EC019	NANDAN KUMAR T	20	15	20	20	7.5	7.5	10	10	6	6	6	6	6	30	6	4.2	4.2	4.2	4.2	32	17.7	17.7	20.2	20.2	21.26
20	1SV21EC020	NANDINI T	18	15	18	18	7.5	7.5	9	9	6	6	6	6	6	28	5.6	4.2	4.2	4.2	4.2	29.6	17.7	17.7	19.2	19.2	21.12
21	1SV21EC021	NAVEENA K. J	19	15	17	19	7.5	7.5	8.5	8.5	6	6	6	6	6	30	6	4.2	4.2	4.2	4.2	31	17.7	17.7	18.7	18.7	20.72
22	1SV21EC022	NETHRAVATHI S V	18	17	20	18	8.5	8.5	10	10	6	6	6	6	6	21	4.2	4.2	4.2	4.2	4.2	28.2	18.7	18.7	20.2	20.2	20.98
23	1SV21EC023	NIHARIKA S	19	15	19	19	7.5	7.5	9.5	9.5	6	6	6	6	6	29	5.8	4.2	4.2	4.2	4.2	30.8	17.7	17.7	19.7	19.7	21.16
24	1SV19EC027	POOJASHREE V	19	15	18	19	7.5	7.5	9	9	6	6	6	6	6	26	5.2	4.2	4.2	4.2	4.2	30.2	17.7	17.7	19.2	19.2	20.96
25	1SV19EC028	R.P. HARSHITHA PATIL	19	17	18	19	8.5	8.5	9	9	6	6	6	6	6	20	4	4.2	4.2	4.2	4.2	29	18.7	18.7	19.2	19.2	20.88
26	1SV19EC029	SANGEETHA BASAVAREDDY	18	17	16	17	8.5	8.5	8	8	6	6	6	6	6	28	5.6	4.2	4.2	4.2	4.2	28.6	18.7	18.7	18.2	18.2	20.72
27	1SV21EC024	SANJANA N J	20	16	13	20	8	8	6.5	6.5	6	6	6	6	6	27	5.4	4.2	4.2	4.2	4.2	31.4	18.2	18.2	16.7	16.7	20.36
28	1SV21EC025	SHARATH KUMAR C N	19	16	7	19	8	8	3.5	3.5	6	6	6	6	6	19	3.8	4.2	4.2	4.2	4.2	28.8	18.2	18.2	13.7	13.7	19.38
29	1SV21EC027	SHOBHARAJ H L	20	16	10	18	8	8	5	5	6	6	6	6	6	30	6	4.2	4.2	4.2	4.2	30	18.2	18.2	15.2	15.2	18.94
30	1SV21EC028	SUPRITH K U	19	15	11	20	7.5	7.5	5.5	5.5	6	6	6	6	6	29	5.8	4.2	4.2	4.2	4.2	31.8	17.7	17.7	15.7	15.7	19.54
31	1SV21EC029	SYED AYAZ	20	15	10	18	7.5	7.5	5	5	6	6	6	6	6	28	5.6	4.2	4.2	4.2	4.2	29.6	17.7	17.7	15.2	15.2	19.4
32	1SV21EC030	THANUJA	19	16	20	18	8	8	10	10	6	6	6	6	6	29	5.8	4.2	4.2	4.2	4.2	29.8	18.2	18.2	20.2	20.2	20.2
33	1SV21EC031	USHA R	20	16	19	18	8	8	9.5	9.5	6	6	6	6	6	27	5.4	4.2	4.2	4.2	4.2	29.4	18.2	18.2	19.7	19.7	21.18
34	1SV21EC032	VAISHNAVI C T	18	16	17	19	8	8	8.5	8.5	6	6	6	6	6	29	5.8	4.2	4.2	4.2	4.2	30.8	18.2	18.2	18.7	18.7	20.98
35	1SV22EC400	IYOTHI N	18	16	11	19	8	8	5.5	5.5	6	6	6	6	6	27	5.4	4.2	4.2	4.2	4.2	30.4	18.2	18.2	15.7	15.7	20.28
36	1SV22EC401	PRIYANKA N	18	16	0	19	8	8	0	0	6	6	6	6	6	21	4.2	4.2	4.2	4.2	4.2	29.2	18.2	18.2	10.2	10.2	19.77455
37	1SV22EC402	SHASHANK P	18	16	0	19	8	8	0	0	6	6	6	6	6	18	3.6	4.2	4.2	4.2	4.2	28.6	18.2	18.2	10.2	10.2	17.14
38	1SV22EC403	SHIVARAJ M H	18	16	0		8	8	0	0	6	6	6	6	6	24	4.8	4.2	4.2	4.2	4.2	10.8	18.2	18.2	10.2	10.2	15.3
39	1SV22EC404	C.K Pushpalatha	20	18	19	20	9	9	9.5	9.5	6	6	6	6	6	26	5.2	4.2	4.2	4.2	4.2	31.2	19.2	19.2	19.7	19.7	17.66
40	1SV22EC405	JAMUNA S	20	20	20	20	10	10	10	10	6	6	6	6	6	31	6.2	4.2	4.2	4.2	4.2	32.2	20.2	20.2	20.2	20.2	22.2
41	1SV22EC406	NIVEDITHA N	20	19	18	20	9.5	9.5	9	9	6	6	6	6	6	29	5.8	4.2	4.2	4.2	4.2	31.8	19.7	19.7	19.2	19.2	22.26
42	1SV22EC407	PREETHI A	20	20	20	20	10	10	10	10	6	6	6	6	6	28	5.6	4.2	4.2	4.2	4.2	31.6	20.2	20.2	20.2	20.2	22.48
																						29.70476	18.36667	18.36667	18.17619	18.17619	
																						82.51%	70.64%	70.64%	69.91%	69.91%	

COURSE INSTRUCTOR

HOD

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HOD
Dept of E&C
TUMKUR, Tumkur-6

NCIPAL
TUMKUR.



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

SUBJECT	DIGITAL COMMUNICATION	SUBJECT CODE	18EC61
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COURSE OUTCOME

- CO 1.** Associate and apply the concepts of Band pass sampling to well specified signals and channels.
- CO 2.** Analyze and compute performance parameters and transfer rates for low pass and band pass symbol under ideal and corrupted non band limited channels.
- CO 3.** Test and validate symbol processing and performance parameters at the receiver under ideal and corrupted band limited channels.
- CO 4.** Demonstrate that band pass signals subjected to corruption and distortion in a band limited channel can be processed at the receiver to meet specified performance criteria.
- CO 5.** Understand the principles of spread spectrum communications.

PROGRAM OUTCOMES

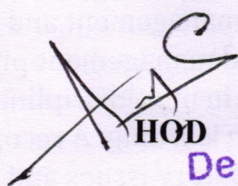
- P01** Engineering knowledge: An ability to apply knowledge of mathematics (including probability, statistics and discrete mathematics), science, and engineering for solving Engineering problems and Knowledge.
- P02** Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- P03** Design / development of solutions: An ability to design solution for engineering problems and design system components or process to meet desired specifications and needs.
- P04** Conduct investigations of complex Problem: An ability to identify, formulate, comprehend, analyze, design synthesis of the information to solve complex engineering problems and provide valid conclusions.
- P05** Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling to complex engineering activities.
- P06** The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues.
- P07** Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- P08** Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- P09** Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- P010** Communication: Communicate effectively on complex engineering activities with the engineering community and with the society.
- P011** Project management and finance: An ability to use the modern engineering tools, techniques, skills and management principles to do work as a member and leader in a team, to manage projects in multidisciplinary environments.
- P012** Life-long learning: A recognition of the need for, and an ability to engage in, to resolve contemporary issues and acquire lifelong learning.

COLLEGE	SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY											
FACULTY NAME	Mrs.ROOPA T C											
BRANCH	ECE			ACADEMIC YEAR				2022-23				
COURSE	B.E	SEMESTER			VI	SECTION			ECE			
SUBJECT	DIGITAL COMMUNICATION					SUBJECT CODE			18EC61			
CO & PO MAPPING												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	-	-	2								
CO2	2	2	-	-								
CO3	2	-	-	-								
CO4	-	-	3	-								
CO5		2										
AVERAGE	2	2	3	2								
OVERALL MAPPING OF SUBJECT												2.325

CO AND PO ATTAINMENT

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	74.64	1.49			1.49								
CO2	74.41	1.48	1.48	-	-								
CO3	74.41	1.48	-	-	-								
CO4	80.82	-	-	2.42	-								
CO5	74.64		1.49										
AVERAGE	75.78	1.48	1.48	2.42	1.49								
FINAL ATTAINMENT LEVEL													1.71


COURSE INSTRUCTOR


HOD
Dept of E&C
SIET, Tumkur-6

Roll No.	USN	Name	18EC61			2020-2021 EVEN					SEM :VI SEM		PROF. ROOPA T C					DIGITAL COMMUNICATION					SEE MARKS					TOTAL AVERAGE																			
			T1(40)	T2(40)	T3(40)	T1		T2			T3		ASSIGNMENT 10/5					SEE					Final																								
						CO1-40	CO2-20	CO3-20	CO4-20	20	CO1-2	CO2-2	CO3-2	CO4-2	CO5-2	60	CO1-15	CO2-15	CO3-15	CO4-15	CO5-15	CO1-57	CO2-37	CO3-37	CO4-37	CO5-37																					
1	1SV20EC001	ABHISHEK B	34	37	38	34	18.5	18.5	19	19	2	2	2	2	2	41	8.2	8.2	8.2	8.2	8.2	44.2	28.7	28.7	29.2	29.2	32																				
2	1SV20EC002	ANJANA A	0	14	38	0	7	7	19	19	2	2	2	2	2	5	1	1	1	1	1	3	10	10	22	22	22.7																				
3	1SV20EC003	BHUMIKA S	33	37	40	33	18.5	18.5	20	20	2	2	2	2	2	28	5.6	5.6	5.6	5.6	5.6	40.6	26.1	26.1	27.6	27.6	21.5																				
4	1SV20EC004	CHITRASHREE H K	26	40	38	26	20	20	19	19	2	2	2	2	2	24	4.8	4.8	4.8	4.8	4.8	32.8	26.8	26.8	25.8	25.8	28.6																				
5	1SV20EC005	DARSHAN M R	20	19	23	20	9.5	9.5	11.5	11.5	2	2	2	2	2	31	6.2	6.2	6.2	6.2	6.2	28.2	17.7	17.7	19.7	19.7	24.1																				
6	1SV20EC006	GAGANASHREE H K	36	0	40	36	0	0	20	20	2	2	2	2	2	3	0.6	0.6	0.6	0.6	0.6	38.6	2.6	2.6	22.6	22.6	19.2																				
7	1SV20EC007	HARSHITH M J	32	31	38	32	15.5	15.5	19	19	2	2	2	2	2	26	5.2	5.2	5.2	5.2	5.2	39.2	22.7	22.7	26.2	26.2	22.6																				
8	1SV20EC008	HARSHITHA S	40	40	40	40	20	20	20	20	2	2	2	2	2	35	7	7	7	7	7	49	29	29	29	29	30.2																				
9	1SV20EC009	IMTIYAZ PASHA	26	35	13	26	17.5	17.5	6.5	6.5	2	2	2	2	2	21	4.2	4.2	4.2	4.2	4.2	32.2	23.7	23.7	12.7	12.7	27																				
10	1SV20EC010	MEGHANA N G	27	34	28	27	17	17	14	14	2	2	2	2	2	17	3.4	3.4	3.4	3.4	3.4	32.4	22.4	22.4	19.4	19.4	22.1																				
11	1SV20EC011	MUKTHA H K	40	40	40	40	20	20	20	20	2	2	2	2	2	49	9.8	9.8	9.8	9.8	9.8	51.8	31.8	31.8	31.8	31.8	29.5																				
12	1SV20EC013	PRATHIKSHA	33	39	40	33	19.5	19.5	20	20	2	2	2	2	2	21	4.2	4.2	4.2	4.2	4.2	39.2	25.7	25.7	26.2	26.2	28.6																				
13	1SV20EC014	R M SUCHITRA	40	40	40	40	20	20	20	20	2	2	2	2	2	38	7.6	7.6	7.6	7.6	7.6	49.6	29.6	29.6	29.6	29.6	31.1																				
14	1SV20EC015	RACHANA N	40	40	40	40	20	20	20	20	2	2	2	2	2	43	8.6	8.6	8.6	8.6	8.6	50.6	30.6	30.6	30.6	30.6	34.1																				
15	1SV20EC016	S PAVITHRA	40	40	40	40	20	20	20	20	2	2	2	2	2	36	7.2	7.2	7.2	7.2	7.2	49.2	29.2	29.2	29.2	29.2	33.9																				
16	1SV20EC017	SHOBHA HUGAR	39	20	40	39	10	10	20	20	2	2	2	2	2	46	9.2	9.2	9.2	9.2	9.2	50.2	21.2	21.2	31.2	31.2	32.1																				
17	1SV20EC018	YASHAS K R	31	34	40	31	17	17	20	20	2	2	2	2	2	39	7.8	7.8	7.8	7.8	7.8	40.8	26.8	26.8	29.8	29.8	30.9																				
18	1SV20EC019	HARSHITHA U	20	32	40	20	16	16	20	20	2	2	2	2	2	26	5.2	5.2	5.2	5.2	5.2	27.2	23.2	23.2	27.2	27.2	28.2																				
19	1SV21EC400	MANOJ	32	36	30	32	18	18	15	15	2	2	2	2	2	23	4.6	4.6	4.6	4.6	4.6	38.6	24.6	24.6	21.6	21.6	25.9																				
																					38.81053	23.81053	23.81053	25.86316	25.86316																						
																					74.64%	74.41%	74.41%	80.82%	80.82%																						

COURSE INSTRUCTOR

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SIET, Tumkur-6

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PRINCIPAL
SIET, TUMKUR



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

SUBJECT	EMBEDDED SYSTEMS	SUBJECT CODE	18EC62
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COURSE OUTCOME

- CO 1. Understand the mathematical representation of signal, symbol, noise and channels.
- CO 2. Apply the concept of signal conversion to symbols and signal processing to symbols in transmitter and receiver functional blocks.
- CO 3. Identify Compute performance issues and parameters for symbol processing and recovery in ideal and corrupted channel conditions.
- CO 4. Write Compute performance parameters and mitigate for these parameters in corrupted and distorted channel conditions.
- CO 5. Explain the need of real time operating system for embedded system applications.


PROGRAM OUTCOMES

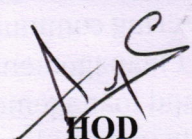
- P01 Engineering knowledge: An ability to apply knowledge of mathematics (including probability, statistics and discrete mathematics), science, and engineering for solving Engineering problems and Knowledge.
- P02 Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- P03 Design / development of solutions: An ability to design solution for engineering problems and design system components or process to meet desired specifications and needs.
- P04 Conduct investigations of complex Problem: An ability to identify, formulate, comprehend, analyze, design synthesis of the information to solve complex engineering problems and provide valid conclusions.
- P05 Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling to complex engineering activities.
- P06 The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues.
- P07 Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
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- P09 Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- P010 Communication: Communicate effectively on complex engineering activities with the engineering community and with the society.
- P011 Project management and finance: An ability to use the modern engineering tools, techniques, skills and management principles to do work as a member and leader in a team, to manage projects in multidisciplinary environments.
- P012 Life-long learning: A recognition of the need for, and an ability to engage in, to resolve contemporary issues and acquire lifelong learning.

COLLEGE	SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY											
FACULTY NAME	PROF.UMESHA G B											
BRANCH	ECE			ACADEMIC YEAR				2022-23				
COURSE	B.E	SEMESTER			VI	SECTION			ECE			
SUBJECT	EMBEDDED SYSTEM					SUBJECT CODE			18EC62			
CO & PO MAPPING												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	-	-	-								
CO2	2	3	-	-								
CO3	3	-	-	-								
CO4	-	-	2	-								
CO5	-	-	-	2								
AVERAGE	2.3	3	2	2								
OVERALL MAPPING OF SUBJECT												2.325

CO AND PO ATTAINMENT

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	74.01	1.48	-	-	-								
CO2	76.27	1.52	1.24	-	-								
CO3	76.27	2.28	-	-	-								
CO4	78.65	-	-	1.57	-								
CO5	78.65	-	-	-	1.57								
AVERAGE	76.77	1.76	1.24	1.57	1.57								
FINAL ATTAINMENT LEVEL													1.53


COURSE INSTRUCTOR


HOD
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Dept of E&C
SIET, Tumkur-6

Roll No.	USN	Name	18EC62			2020-2021 EVEN			SEM: VI SEM			PROF. UMESHA G B			ASSIGNMENT 10/5			EMBEDDED SYSTEM			SEE MARKS			Final			TOTAL AVERAGE					
			T1			T2			T3			CO1-2			CO2-2			CO3-2			CO1-15			CO2-15				CO3-15				
			T1(40)	T2(40)	T3(40)	CO1-40	CO2-20	CO3-20	CO4-20	CO5-20	CO1-2	CO2-2	CO3-2	CO4-2	CO5-2	CO1-15	CO2-15	CO3-15	CO4-15	CO5-15	CO1-15	CO2-15	CO3-15	CO4-15	CO5-15	CO1-15		CO2-15	CO3-15	CO4-15	CO5-15	
1	1SV21EC001	ABHISHEK B	40	40	40	34	20	20	20	2	2	2	2	2	5.4	5.4	5.4	5.4	5.4	41.4	41.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	30.2	
2	1SV21EC002	ANJANA A	0	13	28	0	6.5	14	14	2	2	2	2	2	0.8	0.8	0.8	0.8	0.8	2.8	2.8	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	16.8	20.6	
3	1SV21EC003	BHUMIKA S	40	40	40	33	20	20	20	2	2	2	2	2	8.4	8.4	8.4	8.4	8.4	43.4	43.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	22	22	
4	1SV21EC004	CHITRASHREE H K	40	40	40	26	20	20	20	2	2	2	2	2	5.2	5.2	5.2	5.2	5.2	33.2	33.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	30.7	30.7	
5	1SV21EC005	DARSHAN M R	18	28	21	20	14	10.5	10.5	2	2	2	2	2	5	5	5	5	5	27	27	21	21	21	21	21	21	21	17.5	17.5	24.6	24.6
6	1SV21EC006	GAGANASHREE H K	40	0	33	36	0	16.5	16.5	2	2	2	2	2	2	2	2	2	2	40	40	4	4	4	4	4	4	4	20.5	20.5	19.3	19.3
7	1SV21EC007	HARSHITH M J	40	40	40	32	20	20	20	2	2	2	2	2	6.8	6.8	6.8	6.8	6.8	40.8	40.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	24.5	24.5
8	1SV21EC008	HARSHITHA S	40	40	40	40	20	20	20	2	2	2	2	2	6.2	6.2	6.2	6.2	6.2	48.2	48.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	31.7	31.7
9	1SV21EC009	IMTIYAZ PASHA	40	35	28	26	17.5	14	14	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	32.2	32.2	23.7	23.7	23.7	23.7	23.7	23.7	23.7	20.2	20.2	28.1	28.1
10	1SV21EC010	MEGHANA N G	40	37	33	27	18.5	16.5	16.5	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	33.2	33.2	24.7	24.7	24.7	24.7	24.7	24.7	24.7	22.7	22.7	24.8	24.8
11	1SV21EC011	MUKTHA H K	40	40	40	40	20	20	20	2	2	2	2	2	10	10	10	10	10	52	52	32	32	32	32	32	32	32	32	32	30.8	30.8
12	1SV21EC013	PRATHIKSHA	40	34	37	33	17	18.5	18.5	2	2	2	2	2	5.8	5.8	5.8	5.8	5.8	40.8	40.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	26.3	26.3	30.8	30.8
13	1SV21EC014	R M SUCHITRA	40	40	40	40	20	20	20	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	46.2	46.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	29.4	29.4
14	1SV21EC015	RACHANA N	40	40	40	40	20	20	20	2	2	2	2	2	7.6	7.6	7.6	7.6	7.6	49.6	49.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	31.9	31.9
15	1SV21EC016	S PAVITHRA	40	40	40	40	20	20	20	2	2	2	2	2	6.8	6.8	6.8	6.8	6.8	48.8	48.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	33.2	33.2
16	1SV21EC017	SHOBHA HUGAR	40	22	40	39	11	20	20	2	2	2	2	2	5.8	5.8	5.8	5.8	5.8	46.8	46.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	27.8	27.8	30.4	30.4
17	1SV21EC018	YASHAS K R	34	38	34	31	19	17	17	2	2	2	2	2	6.4	6.4	6.4	6.4	6.4	39.4	39.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	25.4	25.4	28.5	28.5
18	1SV21EC019	HARSHITHA U	0	38	38	20	19	19	19	2	2	2	2	2	5.2	5.2	5.2	5.2	5.2	27.2	27.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	27.7	27.7
19	1SV21EC000	MANOJ	40	38	20	32	19	10	10	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	38.2	38.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	16.2	16.2	25.3	25.3
																				38.48421	38.48421	24.40526	24.40526	24.40526	24.40526	24.40526	24.40526	24.40526	25.16842	25.16842	25.3	25.3
																				74.01%	74.01%	76.27%	76.27%	76.27%	76.27%	76.27%	76.27%	76.27%	78.65%	78.65%	78.65%	78.65%

Manjusha
PRINCIPAL
SIET, TUMKUR.

ASR
HOD
Dept of E&C
SIET, Tumkur-6

Pratiksha
COURSE INSTRUCTOR



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

SUBJECT	OPERATING SYSTEMS	SUBJECT CODE	18EC641
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COURSE OUTCOME

- CO 1. Understand the services provided by an operating system.
- CO 2. Explain how processes are synchronized and scheduled
- CO 3. Understand different approaches of memory management and virtual memory management.
- CO 4. Describe the structure and organization of the file system.
- CO 5. Understand interprocess communication and deadlock situations.

PROGRAM OUTCOMES

- P01** Engineering knowledge: An ability to apply knowledge of mathematics (including probability, statistics and discrete mathematics), science, and engineering for solving Engineering problems and Knowledge.
- P02** Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- P03** Design / development of solutions: An ability to design solution for engineering problems and design system components or process to meet desired specifications and needs.
- P04** Conduct investigations of complex Problem: An ability to identify, formulate, comprehend, analyze, design synthesis of the information to solve complex engineering problems and provide valid conclusions.
- P05** Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling to complex engineering activities.
- P06** The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues.
- P07** Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- P08** Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- P09** Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- P010** Communication: Communicate effectively on complex engineering activities with the engineering community and with the society.
- P011** Project management and finance: An ability to use the modern engineering tools, techniques, skills and management principles to do work as a member and leader in a team, to manage projects in multidisciplinary environments.
- P012** Life-long learning: A recognition of the need for, and an ability to engage in, to resolve contemporary issues and acquire lifelong learning.

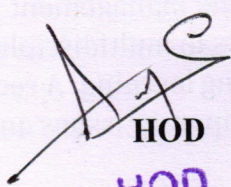
HOD
Dept of ECE
SIRA ROAD, TUMKUR

COLLEGE	SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY											
FACULTY NAME	PROF.AIJAZ AHAMED SHAREIF											
BRANCH	ECE			ACADEMIC YEAR				2022-23				
COURSE	B.E	SEMESTER			VI	SECTION			ECE			
SUBJECT	OPERATING SYSTEMS					SUBJECT CODE			18EC641			
CO & PO MAPPING												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	-	-	-								
CO2	2	3	-	-								
CO3	3	-	-	-								
CO4	-	-	2	-								
CO5	-	2	-	2								
AVERAGE	2.3	3	2	2								
OVERALL MAPPING OF SUBJECT												2.325

CO AND PO ATTAINMENT

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	76.64	1.53	-	-	-								
CO2	78.82	1.57	2.36	-	-								
CO3	78.82	2.36	-	-	-								
CO4	84.33	-	-	1.68	-								
CO5	84.33	-	1.68	-	1.68								
VERAGE	80.5	1.82	2.02	1.68	1.68								
FINAL ATTAINMENT LEVEL													1.


COURSE INSTRUCTOR


HOD

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Dept of E&C
SIET, Tumkur-6

Roll No.	USN	Name	18EC641			2020-2021 EVEN					SEM :VI SEM		PROF. AIJAZ AHAMED SHARIEF				OPERATING SYSTEM					SEE MARKS					TOTAL AVERAGE																	
			T1(40)	T2(40)	T3(40)	T1	T2	T3	CO1-20	CO2-20	CO3-20	CO4-20	CO5-20	CO1-2	CO2-2	CO3-2	CO4-2	CO5-2	60	CO1-15	CO2-15	CO3-15	CO4-15	CO5-15	CO1-57	CO2-37		CO3-37	CO4-37	CO5-37														
													ASSIGNMENT 10/5										Final																					
1	1SV20EC001	ABHISHEK B	33	40	34	34	20	20	17	17	2	2	2	2	2	44	8.8	8.8	8.8	8.8	8.8	44.8	30.8	30.8	27.8	27.8	32.4																	
2	1SV20EC002	ANJANA A	0	16	28	0	8	8	14	14	2	2	2	2	2	11	2.2	2.2	2.2	2.2	2.2	4.2	12.2	12.2	18.2	18.2	22.7																	
3	1SV20EC003	BHUMIKA S	40	40	40	33	20	20	20	20	2	2	2	2	2	32	6.4	6.4	6.4	6.4	6.4	41.4	28.4	28.4	28.4	28.4	22																	
4	1SV20EC004	CHITRASHREE H K	40	35	36	26	17.5	17.5	18	18	2	2	2	2	2	29	5.8	5.8	5.8	5.8	5.8	33.8	25.3	25.3	25.8	25.8	29.1																	
5	1SV20EC005	DARSHAN M R	14	26	28	20	13	13	14	14	2	2	2	2	2	32	6.4	6.4	6.4	6.4	6.4	28.4	21.4	21.4	22.4	22.4	25.2																	
6	1SV20EC006	GAGANASHREE H K	29	0	40	36	0	0	20	20	2	2	2	2	2	34	6.8	6.8	6.8	6.8	6.8	44.8	8.8	8.8	28.8	28.8	23.6																	
7	1SV20EC007	HARSHITH M J	30	35	39	32	17.5	17.5	19.5	19.5	2	2	2	2	2	35	7	7	7	7	7	41	26.5	26.5	28.5	28.5	27.1																	
8	1SV20EC008	HARSHITHA S	40	40	40	40	20	20	20	20	2	2	2	2	2	33	6.6	6.6	6.6	6.6	6.6	48.6	28.6	28.6	28.6	28.6	31.4																	
9	1SV20EC009	IMTIYAZ PASHA	21	19	30	26	9.5	9.5	15	15	2	2	2	2	2	27	5.4	5.4	5.4	5.4	5.4	33.4	16.9	16.9	22.4	22.4	27.5																	
10	1SV20EC010	MEGHANA N G	32	40	36	27	20	20	18	18	2	2	2	2	2	31	6.2	6.2	6.2	6.2	6.2	35.2	28.2	28.2	26.2	26.2	25.6																	
11	1SV20EC011	MUKTHA H K	40	39	40	40	19.5	19.5	20	20	2	2	2	2	2	47	9.4	9.4	9.4	9.4	9.4	51.4	30.9	30.9	31.4	31.4	32																	
12	1SV20EC013	PRATHIKSHA	40	40	40	33	20	20	20	20	2	2	2	2	2	43	8.6	8.6	8.6	8.6	8.6	43.6	30.6	30.6	30.6	30.6	33.2																	
13	1SV20EC014	R M SUCHITRA	40	40	40	40	20	20	20	20	2	2	2	2	2	26	5.2	5.2	5.2	5.2	5.2	47.2	27.2	27.2	27.2	27.2	32.2																	
14	1SV20EC015	RACHANA N	40	40	40	40	20	20	20	20	2	2	2	2	2	42	8.4	8.4	8.4	8.4	8.4	50.4	30.4	30.4	30.4	30.4	32.8																	
15	1SV20EC016	S PAVITHRA	40	40	40	40	20	20	20	20	2	2	2	2	2	46	9.2	9.2	9.2	9.2	9.2	51.2	31.2	31.2	31.2	31.2	34.8																	
16	1SV20EC017	SHOBHA HUGAR	38	27	40	39	13.5	13.5	20	20	2	2	2	2	2	40	8	8	8	8	8	49	23.5	23.5	30	30	33.2																	
17	1SV20EC018	YASHAS K R	33	37	35	31	18.5	18.5	17.5	17.5	2	2	2	2	2	33	6.6	6.6	6.6	6.6	6.6	39.6	27.1	27.1	26.1	26.1	30.2																	
18	1SV20EC019	HARSHITHA U	0	39	37	20	19.5	19.5	18.5	18.5	2	2	2	2	2	32	6.4	6.4	6.4	6.4	6.4	28.4	27.9	27.9	26.9	26.9	28.4																	
19	1SV21EC400	MANOJ	15	29	26	32	14.5	14.5	13	13	2	2	2	2	2	34	6.8	6.8	6.8	6.8	6.8	40.8	23.3	23.3	21.8	21.8	26.9																	
																							39.85263	25.22105	25.22105	26.98421	26.98421																	
																							76.64%	78.82%	78.82%	84.33%	84.33%																	

COURSE INSTRUCTOR

HOD
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SIET, Tumkur-6

PRINCIPAL

PRINCIPAL
SIET, TUMKUR.



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

SUBJECT	PROGRAMMING IN JAVA	SUBJECT CODE	18CS653
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COURSE OUTCOME

- CO 1.** Explain the object-oriented concepts and JAVA.
- CO 2.** Develop computer programs to solve real world problems in Java.
- CO 3.** Develop simple GUI interfaces for a computer program to interact with users.

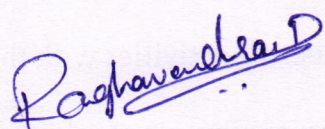
PROGRAM OUTCOMES

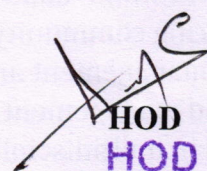
- P01** Engineering knowledge: An ability to apply knowledge of mathematics (including probability, statistics and discrete mathematics), science, and engineering for solving Engineering problems and Knowledge.
- P02** Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- P03** Design / development of solutions: An ability to design solution for engineering problems and design system components or process to meet desired specifications and needs.
- P04** Conduct investigations of complex Problem: An ability to identify, formulate, comprehend, analyze, design synthesis of the information to solve complex engineering problems and provide valid conclusions.
- P05** Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling to complex engineering activities.
- P06** The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues.
- P07** Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- P08** Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- P09** Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- P010** Communication: Communicate effectively on complex engineering activities with the engineering community and with the society.
- P011** Project management and finance: An ability to use the modern engineering tools, techniques, skills and management principles to do work as a member and leader in a team, to manage projects in multidisciplinary environments.
- P012** Life-long learning: A recognition of the need for, and an ability to engage in, to resolve contemporary issues and acquire lifelong learning.

COLLEGE	SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY											
FACULTY NAME	PROF.RAGHAVENDRA D											
BRANCH	ECE			ACADEMIC YEAR				2022-23				
COURSE	B.E	SEMESTER			VI	SECTION			ECE			
SUBJECT	PROGRAMMING IN JAVA					SUBJECT CODE			18CS653			
CO & PO MAPPING												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	-	-	-								
CO2	2	3	-	-								
CO3	3	-	-	-								
AVERAGE	2.3	3										
OVERALL MAPPING OF SUBJECT												2.325

CO AND PO ATTAINMENT

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	75.06	1.50	-	-									
CO2	74.77	1.49	2.24	-									
CO3	74.77	2.24	-	-									
AVERAGE	74.86	1.74	2.24										
FINAL ATTAINMENT LEVEL													1.99


COURSE INSTRUCTOR


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SIET, Tumkur-6

Roll No.	USN	Name	18CS653		2020-2021 EVEN		T2		SEM -VI SEM		PROF. RAGHAVENDRA D					PROGRAMMING IN JAVA					SEE MARKS					Final		TOTAL AVERAGE						
			T1(40)	T2(40)	T3(40)	T4(40)	CO1-40	CO2-20	CO3-20	CO4-20	CO5-20	CO1-2	CO2-2	CO3-2	CO4-2	CO5-2	CO1-15	CO2-15	CO3-15	CO4-15	CO5-15	CO1-15	CO2-15	CO3-15	CO4-15	CO5-15	CO1-15		CO2-15	CO3-15	CO4-15	CO5-15	CO6-37	CO7-37
			34	26	28	28	34	13	13	14	14	2	2	2	2	2	35	7	7	7	7	7	43	22	22	23	23		43	22	22	23	23	23
1	ISV2BEC001	ABHISHEK B	0	22	25	0	11	12.5	12.5	2	2	2	2	2	0	0	0	0	0	0	2	13	13	14.5	14.5	2	13	13	14.5	14.5	14.5	14.5	26.6	
2	ISV2BEC002	ANJANA A	40	40	38	33	20	19	19	2	2	2	2	2	26	5.2	5.2	5.2	5.2	5.2	40.2	27.2	27.2	26.2	26.2	35.4	29.4	29.4	28.9	28.9	28.9	28.9	19	
3	ISV2BEC003	BHUMIKA S	36	40	39	26	20	19.5	19.5	2	2	2	2	2	37	7.4	7.4	7.4	7.4	7.4	35.4	29.4	29.4	26.2	26.2	35.4	29.4	29.4	28.9	28.9	28.9	29.9		
4	ISV2BEC004	CHITRASHREE H	32	22	17	20	11	8.5	8.5	2	2	2	2	2	8	1.6	1.6	1.6	1.6	1.6	23.6	14.6	14.6	12.1	12.1	23.6	14.6	14.6	12.1	12.1	12.1	22.9		
5	ISV2BEC005	DARSHAN M R	35	0	28																													
6	ISV2BEC006	GAGANASHREE H	34	32	19	32	16	9.5	9.5	2	2	2	2	2	12	2.4	2.4	2.4	2.4	2.4	40.4	4.4	4.4	18.4	18.4	40.4	4.4	4.4	18.4	18.4	18.4	16.3		
7	ISV2BEC007	HARSHITH M J	40	40	40	40	20	20	20	2	2	2	2	2	44	8.8	8.8	8.8	8.8	8.8	42.8	26.8	26.8	20.3	20.3	42.8	26.8	26.8	20.3	20.3	20.3	22.3		
8	ISV2BEC008	HARSHITHA S	20	24	16	40	20	20	20	2	2	2	2	2	28	5.6	5.6	5.6	5.6	5.6	47.6	27.6	27.6	27.6	27.6	47.6	27.6	27.6	27.6	27.6	27.6	29.5		
9	ISV2BEC009	IMTIYAZ PASHA	26	32	26	27	16	13	13	2	2	2	2	2	23	4.6	4.6	4.6	4.6	4.6	32.6	18.6	18.6	14.6	14.6	32.6	18.6	18.6	14.6	14.6	14.6	25.7		
10	ISV2BEC010	MEGHANA N G	40	40	40	40	20	20	20	2	2	2	2	2	21	4.2	4.2	4.2	4.2	4.2	33.2	22.2	22.2	19.2	19.2	33.2	22.2	22.2	19.2	19.2	19.2	21.5		
11	ISV2BEC011	MUKTHA H K	40	40	40	40	20	20	20	2	2	2	2	2	35	7	7	7	7	7	49	29	29	29	29	49	29	29	29	29	29	28.1		
12	ISV2BEC012	PRATHIKSHA	40	40	37	33	20	18.5	18.5	2	2	2	2	2	24	4.8	4.8	4.8	4.8	4.8	39.8	26.8	26.8	25.3	25.3	39.8	26.8	26.8	25.3	25.3	25.3	28.8		
13	ISV2BEC013	R M SUCHITRA	40	40	40	40	20	20	20	2	2	2	2	2	40	8	8	8	8	8	50	30	30	30	30	50	30	30	30	30	30	31.4		
14	ISV2BEC014	RACHANA N	40	40	40	40	20	20	20	2	2	2	2	2	45	9	9	9	9	9	51	31	31	31	31	51	31	31	31	31	31	34.5		
15	ISV2BEC015	S PAVITHRA	35	34	37	40	20	20	20	2	2	2	2	2	45	9	9	9	9	9	49.4	27.4	27.4	28.9	28.9	49.4	27.4	27.4	28.9	28.9	28.9	35		
16	ISV2BEC016	SHOBHA HUGAR	26	32	27	39	17	18.5	18.5	2	2	2	2	2	42	8.4	8.4	8.4	8.4	8.4	41.4	26.4	26.4	23.9	23.9	41.4	26.4	26.4	23.9	23.9	23.9	30.4		
17	ISV2BEC017	YASHAS K R	0	36	36	20	18	18	18	2	2	2	2	2	39	7.8	7.8	7.8	7.8	7.8	29.8	27.8	27.8	27.8	27.8	29.8	27.8	27.8	27.8	27.8	27.8	28.3		
18	ISV2BEC018	HARSHITHA U	28	24	18	32	12	12	12	2	2	2	2	2	27	5.4	5.4	5.4	5.4	5.4	39.4	19.4	19.4	16.4	16.4	39.4	19.4	19.4	16.4	16.4	16.4	25.2		
19	ISV2BEC019	MANOJ																			39.03158	23.92632	23.92632	23.58421	23.58421	39.03158	23.92632	23.92632	23.58421	23.58421	23.58421	75.70%		
																					75.06%	74.77%	74.77%	73.70%	73.70%	75.06%	74.77%	74.77%	73.70%	73.70%	73.70%			

COURSE INSTRUCTOR
Raghavendra

HOD

HOD
Dept of E&C
SIET, Tumkur-6

PRINCIPAL

Principal
PRINCIPAL
SIET, TUMKUR.



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

SUBJECT	WIRELESS AND CELLULAR COMMUNICATION	SUBJECT CODE	18EC81
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COURSE OUTCOME

- CO 1.** Understand the concepts of propagation over wireless channels from a physics standpoint.
- CO 2.** Application of Communication theory both Physical and networking to understand GSM systems that handle mobile telephony
- CO 3.** Application of Communication theory both Physical and networking to understand CDMA systems that handle mobile telephony.
- CO 4.** Application of Communication theory both Physical and networking to understand LTE-4G systems

PROGRAM OUTCOMES

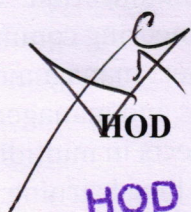
- P01** Engineering knowledge: An ability to apply knowledge of mathematics (including probability, statistics and discrete mathematics), science, and engineering for solving Engineering problems and Knowledge.
- P02** Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- P03** Design / development of solutions: An ability to design solution for engineering problems and design system components or process to meet desired specifications and needs.
- P04** Conduct investigations of complex Problem: An ability to identify, formulate, comprehend, analyze, design synthesis of the information to solve complex engineering problems and provide valid conclusions.
- P05** Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling to complex engineering activities.
- P06** The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues.
- P07** Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- P08** Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- P09** Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- P010** Communication: Communicate effectively on complex engineering activities with the engineering community and with the society.
- P011** Project management and finance: An ability to use the modern engineering tools, techniques, skills and management principles to do work as a member and leader in a team, to manage projects in multidisciplinary environments.
- P012** Life-long learning: A recognition of the need for, and an ability to engage in, to resolve contemporary issues and acquire lifelong learning.

COLLEGE	SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY											
FACULTY NAME	Mrs.ROOPA T C											
BRANCH	ECE			ACADEMIC YEAR				2022-23				
COURSE	B.E	SEMESTER			VIII	SECTION			ECE			
SUBJECT	WIRELESS AND CELLULAR COMMUNICATION					SUBJECT CODE			18EC81			
CO & PO MAPPING												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	-	-	-								
CO2	2	3	-	-								
CO3	3	-	-	-								
CO4	-	-	2	2								
AVERAGE	2.3	3	2	2								
OVERALL MAPPING OF SUBJECT												2.325

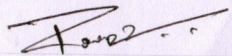
CO AND PO ATTAINMENT

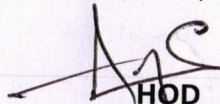
	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	71.99	1.43	-	-	-								
CO2	68.18	1.36	2.04	-	-								
CO3	68.18	2.04	-	-	-								
CO4	68.18	-	-	1.36	1.36								
AVERAGE	69.13	1.61	2.04	1.36	1.36								
FINAL ATTAINMENT LEVEL													1.592



COURSE INSTRUCTOR


HOD
Dept of E&C
SILS, Tumkur-B

Roll No.	USN	Name	18EC81		2022-2023 EVEN			SEM :VIII SE				PROF. ROOPA T C				WIRELESS CELLULAR COMMUNICATION								TOTAL AVERAGE
			T1(40)	T2(40)	T3(40)	T1		T2		T3	ASSIGNMENT 10/4				SEE MARKS				Final					
						CO1-20	CO2-10	CO3-10	CO4-20	CO1-2.5	CO2-2.5	CO3-2.5	CO4-2.5	60	CO1-15	CO2-15	CO3-15	CO4-15	CO1-37.5	CO2-27.5	CO3-27.5	CO4-37.5		
1	1SV18EC001	ANIKET ASHOK NEJE	17	0	27	17	0	0	27	2.5	2.5	2.5	2.5	21	5.25	5.25	5.25	5.25	24.75	7.75	7.75	34.75	18.75	
2	1SV18EC003	ARUN.N.R	32	30	22	32	15	15	22	2.5	2.5	2.5	2.5	26	6.5	6.5	6.5	6.5	41	24	24	31	24.375	
3	1SV19EC001	AKASH DODAMANI	33	38	40	33	19	19	40	2.5	2.5	2.5	2.5	36	9	9	9	9	44.5	30.5	30.5	51.5	34.625	
4	1SV19EC002	AKHILESH YADAV	10	29	22	10	14.5	14.5	22	2.5	2.5	2.5	2.5	39	9.75	9.75	9.75	9.75	22.25	26.75	26.75	34.25	33.375	
5	1SV19EC003	ARBIYA SULTANA	30	39	40	30	19.5	19.5	40	2.5	2.5	2.5	2.5	38	9.5	9.5	9.5	9.5	42	31.5	31.5	52	33.375	
6	1SV19EC005	BHAVANA.U	38	40	40	38	20	20	40	2.5	2.5	2.5	2.5	45	11.25	11.25	11.25	11.25	51.75	33.75	33.75	53.75	41.25	
7	1SV19EC006	BHOOMIKA. D.	39	40	40	39	20	20	40	2.5	2.5	2.5	2.5	46	11.5	11.5	11.5	11.5	53	34	34	54	43.5	
8	1SV19EC007	CHANDAN. M. U.	10	19	19	10	9.5	9.5	19	2.5	2.5	2.5	2.5	29	7.25	7.25	7.25	7.25	19.75	19.25	19.25	28.75	32.75	
9	1SV19EC008	CRISPINA VIOLET. P.	39	40	40	39	20	20	40	2.5	2.5	2.5	2.5	42	10.5	10.5	10.5	10.5	52	33	33	53	32.25	
10	1SV19EC009	DARSHAN. M. MANCHIKOPPAD	29	25	18	29	12.5	12.5	18	2.5	2.5	2.5	2.5	50	12.5	12.5	12.5	12.5	44	27.5	27.5	33	37.875	
11	1SV19EC010	DIVYA. POL.	38	38	0	38	19	19	0	2.5	2.5	2.5	2.5	38	9.5	9.5	9.5	9.5	50	31	31	12	32	
12	1SV19EC011	GAGANA. V.	40	39	38	40	19.5	19.5	38	2.5	2.5	2.5	2.5	40	10	10	10	10	52.5	32	32	50.5	36.375	
13	1SV19EC012	GOWRAMMA. S.	40	40	40	40	20	20	40	2.5	2.5	2.5	2.5	46	11.5	11.5	11.5	11.5	54	34	34	54	42.875	
14	1SV19EC013	HARSHITHA. M.	39	38	36	39	19	19	36	2.5	2.5	2.5	2.5	36	9	9	9	9	50.5	30.5	30.5	47.5	41.875	
15	1SV19EC014	K. S. SANTHOSH.	35	40	39	35	20	20	39	2.5	2.5	2.5	2.5	44	11	11	11	11	48.5	33.5	33.5	52.5	40.875	
16	1SV19EC015	K. SANJAY.	16	40	40	16	20	20	40	2.5	2.5	2.5	2.5	47	11.75	11.75	11.75	11.75	30.25	34.25	34.25	54.25	40.125	
17	1SV19EC016	LOKESHWARIKOTI.B.S	40	37	22	40	18.5	18.5	22	2.5	2.5	2.5	2.5	34	8.5	8.5	8.5	8.5	51	29.5	29.5	33	37	
18	1SV19EC017	MEGHANA. R.	40	40	40	40	20	20	40	2.5	2.5	2.5	2.5	49	12.25	12.25	12.25	12.25	54.75	34.75	34.75	54.75	40.25	
19	1SV19EC018	MUSKAN ZAHID.	39	40	39	39	20	20	39	2.5	2.5	2.5	2.5	54	13.5	13.5	13.5	13.5	55	36	36	55	45.125	
20	1SV19EC019	NALINA. D. K.	39	40	40	39	20	20	40	2.5	2.5	2.5	2.5	41	10.25	10.25	10.25	10.25	51.75	32.75	32.75	52.75	44	
21	1SV19EC021	PREETHIKA. A. S.	37	40	38	37	20	20	38	2.5	2.5	2.5	2.5	48	12	12	12	12	51.5	34.5	34.5	52.5	42.875	
22	1SV19EC022	PRIYADARSHINI. M.	40	39	37	40	19.5	19.5	37	2.5	2.5	2.5	2.5	44	11	11	11	11	53.5	33	33	50.5	42.875	
23	1SV19EC023	REHAMAN KHAN. H. K.	36	30	33	36	15	15	33	2.5	2.5	2.5	2.5	38	9.5	9.5	9.5	9.5	48	27	27	45	39.625	
24	1SV19EC025	SAHIL SALAM.	37	31	27	37	15.5	15.5	27	2.5	2.5	2.5	2.5	49	12.25	12.25	12.25	12.25	51.75	30.25	30.25	41.75	37.625	
25	1SV19EC027	SANIYA FATHIMA.	39	39	27	39	19.5	19.5	27	2.5	2.5	2.5	2.5	44	11	11	11	11	52.5	33	33	40.5	39.125	
26	1SV19EC028	SHARANA KUMAR.	9	20	14	9	10	10	14	2.5	2.5	2.5	2.5	36	9	9	9	9	20.5	21.5	21.5	25.5	31	
27	1SV19EC029	SUPRIYA. N.	39	40	36	39	20	20	36	2.5	2.5	2.5	2.5	42	10.5	10.5	10.5	10.5	52	33	33	49	32	
28	1SV19EC030	YASHWANATH. C.	0	16	21	0	8	8	21	2.5	2.5	2.5	2.5	35	8.75	8.75	8.75	8.75	11.25	19.25	19.25	32.25	31.125	
29	1SV19EC032	M BHAVANI SHANKAR	40	40	27	40	20	20	27	2.5	2.5	2.5	2.5	35	8.75	8.75	8.75	8.75	51.25	31.25	31.25	38.25	29.25	
30	1SV19EC033	PREKSHA NAYAK	31	40	33	31	20	20	33	2.5	2.5	2.5	2.5	39	9.75	9.75	9.75	9.75	43.25	32.25	32.25	45.25	38.125	
31	1SV20EC400	BINDU T S	39	39	37	39	19.5	19.5	37	2.5	2.5	2.5	2.5	36	9	9	9	9	50.5	31	31	48.5	39.25	
32	1SV20EC401	GANASHREE K R	36	37	35	36	18.5	18.5	35	2.5	2.5	2.5	2.5	41	10.25	10.25	10.25	10.25	48.75	31.25	31.25	47.75	40	
33	1SV20EC402	LAVANYA K R	26	30	38	26	15	15	38	2.5	2.5	2.5	2.5	38	9.5	9.5	9.5	9.5	38	27	27	50	37.625	
																				44.42424	29.71212	29.71212	44.21212	36.76136
																				71.99%	68.18%	68.18%	68.18%	68.18%


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SIET, Tumkur-6


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PRINCIPAL
SIET, TUMKUR.



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

SUBJECT	OPTICAL COMMUNICATION NETWORK	SUBJECT CODE	18EC824
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COURSE OUTCOME

- CO 1.** Learn the basic principle of optical fiber communication with different modes of light Propagation
- CO 2.** Understand the transmission characteristics and losses in optical fiber.
- CO 3.** Study of optical components and its applications in optical communication networks.
- CO 4.** Learn the network standards in optical fiber and understand the network architectures along with its functionalities.

PROGRAM OUTCOMES

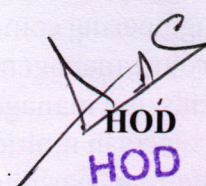
- P01** Engineering knowledge: An ability to apply knowledge of mathematics (including probability, statistics and discrete mathematics), science, and engineering for solving Engineering problems and Knowledge.
- P02** Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- P03** Design / development of solutions: An ability to design solution for engineering problems and design system components or process to meet desired specifications and needs.
- P04** Conduct investigations of complex Problem: An ability to identify, formulate, comprehend, analyze, design synthesis of the information to solve complex engineering problems and provide valid conclusions.
- P05** Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling to complex engineering activities.
- P06** The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues.
- P07** Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- P08** Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- P09** Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- P010** Communication: Communicate effectively on complex engineering activities with the engineering community and with the society.
- P011** Project management and finance: An ability to use the modern engineering tools, techniques, skills and management principles to do work as a member and leader in a team, to manage projects in multidisciplinary environments.
- P012** Life-long learning: A recognition of the need for, and an ability to engage in, to resolve contemporary issues and acquire lifelong learning.

COLLEGE	SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY											
FACULTY NAME	PROF.LOKESH.B S											
BRANCH	ECE			ACADEMIC YEAR				2022-23				
COURSE	B.E	SEMESTER			VIII	SECTION			ECE			
SUBJECT	OPTICAL COMMUNICATION NETWORK					SUBJECT CODE			18EC824			
CO & PO MAPPING												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	-	-	-								
CO2	2	3	-	-								
CO3	3	-	-	-								
CO4	-	-	2	2								
AVERAGE	2.3	3	2	2								
OVERALL MAPPING OF SUBJECT												2.325

CO AND PO ATTAINMENT

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	71.99	1.43	-	-	-								
CO2	68.18	1.36	2.04	-	-								
CO3	68.18	2.04	-	-	-								
CO4	68.18	-	-	1.36	1.36								
AVERAGE	69.13	1.61	2.04	1.36	1.36								
FINAL ATTAINMENT LEVEL													1.592


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Roll No.	USN	Name	18EC824			2022-2023 EVEN				SEM :VIII SEE Dr.Lokesh B S				OPTICAL COMMUNICATION NETWORK										TOTAL AVERAGE
			T1(40)	T2(40)	T3(40)	T1	T2			T3	ASSIGNMENT 10/4				SEE MARKS					Final				
			CO1-20	CO2-10	CO3-10	CO4-20	CO1-2.5	CO2-2.5	CO3-2.5	CO4-2.5	60	CO1-15	CO2-15	CO3-15	CO4-15	CO1-37.5	CO2-27.5	CO3-27.5	CO4-37.5					
1	1SV18EC001	ANIKET ASHOK NEJE	18	35	20	18	17.5	17.5	20	2.5	2.5	2.5	2.5	21	5.25	5.25	5.25	5.25	25.75	25.25	25.25	27.75	26	
2	1SV18EC003	ARUN.N.R	18	22	29	18	11	11	29	2.5	2.5	2.5	2.5	26	6.5	6.5	6.5	6.5	27	20	20	38	26.125	
3	1SV19EC001	AKASH DODAMANI	13	36	29	13	18	18	29	2.5	2.5	2.5	2.5	30	7.5	7.5	7.5	7.5	23	28	28	39	27.875	
4	1SV19EC002	AKHILESH YADAV	10	35	28	10	17.5	17.5	28	2.5	2.5	2.5	2.5	39	9.75	9.75	9.75	9.75	22.25	29.75	29.75	40.25	30	
5	1SV19EC003	ARBIYA SULTANA	38	39	36	38	19.5	19.5	36	2.5	2.5	2.5	2.5	38	9.5	9.5	9.5	9.5	50	31.5	31.5	48	35.375	
6	1SV19EC005	BHAVANA.U	38	38	40	38	19	19	40	2.5	2.5	2.5	2.5	45	11.25	11.25	11.25	11.25	51.75	32.75	32.75	53.75	41.5	
7	1SV19EC006	BHOOMIKA. D.	36	38	35	36	19	19	35	2.5	2.5	2.5	2.5	46	11.5	11.5	11.5	11.5	50	33	33	49	42	
8	1SV19EC007	CHANDAN. M. U.	12	32	26	12	16	16	26	2.5	2.5	2.5	2.5	29	7.25	7.25	7.25	7.25	21.75	25.75	25.75	35.75	34.25	
9	1SV19EC008	CRISPINA VIOLET. P.	31	39	36	31	19.5	19.5	36	2.5	2.5	2.5	2.5	42	10.5	10.5	10.5	10.5	44	32.5	32.5	49	33.375	
10	1SV19EC009	DARSHAN. M. MANCHIKOPPAD	16	26	27	16	13	13	27	2.5	2.5	2.5	2.5	50	12.5	12.5	12.5	12.5	31	28	28	42	35.875	
11	1SV19EC010	DIVYA. POL.	37	38	0	37	19	19	0	2.5	2.5	2.5	2.5	38	9.5	9.5	9.5	9.5	49	31	31	12	31.5	
12	1SV19EC011	GAGANA. V.	34	36	37	34	18	18	37	2.5	2.5	2.5	2.5	40	10	10	10	10	46.5	30.5	30.5	49.5	35	
13	1SV19EC012	GOWRAMMA. S.	38	33	39	38	16.5	16.5	39	2.5	2.5	2.5	2.5	46	11.5	11.5	11.5	11.5	52	30.5	30.5	53	40.375	
14	1SV19EC013	HARSHITHA. M.	34	28	36	34	14	14	36	2.5	2.5	2.5	2.5	36	9	9	9	9	45.5	25.5	25.5	47.5	38.75	
15	1SV19EC014	K. S. SANTHOSH.	25	37	30	25	18.5	18.5	30	2.5	2.5	2.5	2.5	44	11	11	11	11	38.5	32	32	43.5	36.25	
16	1SV19EC015	K. SANJAY.	26	30	40	26	15	15	40	2.5	2.5	2.5	2.5	47	11.75	11.75	11.75	11.75	40.25	29.25	29.25	54.25	37.375	
17	1SV19EC016	LOKESHWARIKOTI.B.S	27	26	36	27	13	13	36	2.5	2.5	2.5	2.5	34	8.5	8.5	8.5	8.5	38	24	24	47	35.75	
18	1SV19EC017	MEGHANA. R.	32	38	38	32	19	19	38	2.5	2.5	2.5	2.5	49	12.25	12.25	12.25	12.25	46.75	33.75	33.75	52.75	37.5	
19	1SV19EC018	MUSKAN ZAHID.	27	36	38	27	18	18	38	2.5	2.5	2.5	2.5	54	13.5	13.5	13.5	13.5	43	34	34	54	41.5	
20	1SV19EC019	NALINA. D. K.	28	37	40	28	18.5	18.5	40	2.5	2.5	2.5	2.5	41	10.25	10.25	10.25	10.25	40.75	31.25	31.25	52.75	40.125	
21	1SV19EC021	PREETHIKA. A. S.	34	34	26	34	17	17	26	2.5	2.5	2.5	2.5	48	12	12	12	12	48.5	31.5	31.5	40.5	38.5	
22	1SV19EC022	PRIYADARSHINI. M.	29	39	35	29	19.5	19.5	35	2.5	2.5	2.5	2.5	44	11	11	11	11	42.5	33	33	48.5	38.625	
23	1SV19EC023	REHAMAN KHAN. H. K.	14	25	33	14	12.5	12.5	33	2.5	2.5	2.5	2.5	38	9.5	9.5	9.5	9.5	26	24.5	24.5	45	34.625	
24	1SV19EC025	SAHIL SALAM.	25	32	28	25	16	16	28	2.5	2.5	2.5	2.5	49	12.25	12.25	12.25	12.25	39.75	30.75	30.75	42.75	33	
25	1SV19EC027	SANIYA FATHIMA.	25	38	35	25	19	19	35	2.5	2.5	2.5	2.5	44	11	11	11	11	38.5	32.5	32.5	48.5	37	
26	1SV19EC028	SHARANA KUMAR.	7	16	22	7	8	8	22	2.5	2.5	2.5	2.5	36	9	9	9	9	18.5	19.5	19.5	33.5	30.375	
27	1SV19EC029	SUPRIYA. N.	29	29	35	29	14.5	14.5	35	2.5	2.5	2.5	2.5	42	10.5	10.5	10.5	10.5	42	27.5	27.5	48	29.5	
28	1SV19EC030	YASHWANTH. C.	0	10	26	0	5	5	26	2.5	2.5	2.5	2.5	35	8.75	8.75	8.75	8.75	11.25	16.25	16.25	37.25	28.25	
29	1SV19EC032	M BHAVANI SHANKAR	21	35	26	21	17.5	17.5	26	2.5	2.5	2.5	2.5	35	8.75	8.75	8.75	8.75	32.25	28.75	28.75	37.25	26	
30	1SV19EC033	PREKSHA NAYAK	26	32	35	26	16	16	35	2.5	2.5	2.5	2.5	39	9.75	9.75	9.75	9.75	38.25	28.25	28.25	47.25	33.625	
31	1SV20EC400	BINDU TS	29	38	35	29	19	19	35	2.5	2.5	2.5	2.5	36	9	9	9	9	40.5	30.5	30.5	46.5	36.25	
32	1SV20EC401	GANASHREE K R	25	36	28	25	18	18	28	2.5	2.5	2.5	2.5	38	9.5	9.5	9.5	9.5	37	30	30	40	35.625	
33	1SV20EC402	LAVANYA K R	26	38	30	26	19	19	30	2.5	2.5	2.5	2.5	41	10.25	10.25	10.25	10.25	38.75	31.75	31.75	42.75	35.25	
																			37.59091	28.87879	28.87879	43.83333	34.64015	
																			71.99%	68.18%	68.18%	68.18%	69.13%	

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