

2021-22

ODD SEM



Department of Computer Science and Engineering

COURSE OUTCOME

- CO1.** Identify the need and the of programming in real world environment.
- CO2.** Improve the understanding of using data types, variables and arithmetic operations in programming.
- CO3.** Understand the concepts of functions and pointer. In addition, resolve real world problems using functions and pointers.
- CO4.** Understand Array and String concepts and implement array and using functions and pointers.
- CO5.** Exercise user defined data types including structure and union.

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 modelling 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.

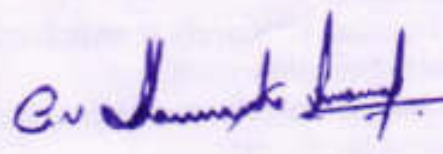
COLLEGE	SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY					
FACULTY NAME	Mr. SUTHAN R					
BRANCH	CSE	ACADEMIC YEAR			2021-22	
COURSE	B.E	SEMESTER	I	SECTION		
SUBJECT	PROGRAMMING IN C			SUBJECT CODE	21POP13	

CO-PO-PSO Mapping															
COs	Pos												PSOs		
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3
CO1	3	1				1		1					2	1	
CO2		2	1	1	1								1	2	
CO3	1	3	2	2		2	1	2					2	2	
CO4	1	2	2	1	1		1								2
CO5		2	2	1	1	3	1	1					2	2	2
Average	1.6	2	1.7	1.2	1	2	1	1.3					1.7	1.7	2

CO AND PO ATTAINMENT

ATTAINMENT TABLE																
COs	AVG	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	76.6	2.29	0.76				0.76		0.76					1.53	0.76	
CO2	52.6		1.05	0.52	0.52	0.52								0.52	1.05	
CO3	51.8	0.51	1.55	1.03	1.03		1.03	0.51	1.03					1.03	1.03	
CO4	59.3	0.59	1.18	1.18	0.59	0.59		0.59								1.18
CO5	55.3		1.10	1.10	0.55	0.55	1.65	0.55	0.55					1.10	1.10	1.10
AVERAGE	1.13	1.12	0.95	0.67	0.55	1.14	0.55	0.78						1.04	0.98	1.14


STAFF INCHARGE


HOD,
COMPUTER SCIENCE & ENGG.,
SIET, TUMAKURU-08,


PRINCIPAL
SIET, TUMAKURU.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

COURSE	DATA STRUCTURES AND APPLICATIONS	COURSE CODE	18CS32
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COURSE OUTCOME

- CO1. Usedifferenttypesofdatastructures,operationsandalgorithms
 CO2. Applysearchingand sortingoperationsonfiles.
 CO3. Usestack,Queue,Lists,TreesandGraphs in problemsolving.
 CO4. Implementalldatastructuresin ahigh-levellanguageforproblemsolving.

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
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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, analyse, 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

Program Specific Outcomes:

- PSO1: To create, select, and apply appropriate techniques, resources, modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.
 PSO2: To manage complex IT projects with consideration of the human, financial, ethical and environmental factors and an understanding of risk management processes and policy implications.
 PSO3: Acquaint module knowledge on emerging trends of the modern era in Computer Science and Engineering.

COLLEGE	SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY															
FACULTY NAME	PROF. SHANMUKASWAMY C V															
BRANCH	CS	ACADEMIC YEAR										2021-22				
PROGRAM	B.E	SEMESTER	III	SECTION											A	
COURSE NAME	DATA STRUCTURES AND APPLICATIONS							COURSE CODE				18CS32				
CO & PO MAPPING																
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	
CO1	3	3	3									1	2			
CO2	3	3	3	3								2	2			
CO3	3	3	3	3	3						2	2	2			
CO4	3	3	3	3	2								2			
AVERAGE	3.0	3.0	3.0	3.0	2.5						2.0	1.67	2.0			
OVERALL MAPPING OF COURSE															2.52	

CO AND PO ATTAINMENT

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	63.8	1.9	1.9	1.9									0.6	1.3		
CO2	64.1	1.9	1.9	1.9	1.9								1.3	1.3		
CO3	60.2	1.8	1.8	1.8	1.8	1.8						1.2	1.2	1.2		
CO4	67.5	2.0	2.0	2.0	2.0	1.4								1.4		
AVERAGE		1.9	1.9	1.9	1.9	1.6						1.2	1.03	1.3		
FINAL ATTAINMENT LEVEL																1.59

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
COsPOs ATTAINMENT
ACADEMIC YEAR -2021-22[ODD SEM]

CLASS:3th SEM "A" CSE

Course Name :Data structures and Applications[18CS32]

Roll No.	USN	Name	T1	T2		T3	ASSIGNMENT 10/4				SEE	Final				Attainment (stud)					
			CO1-30	CO2-15	CO3-15	CO4-30	Assign 10	CO1-2	CO2-3	CO3-3		CO4-2	CO1-15	CO2-15	CO3-15		CO4-15	CO1-47	CO2-33	CO3-33	CO4-47
1	1SV20CS001	ANUSHA B S	23	14	13	30	10	2	3	3	2	36	9	9	9	9	34	26	25	41	79
2	1SV20CS002	ANUSHA R	17	13	13	24	10	2	3	3	2	14	3	3	4	4	22	19	20	30	57
3	1SV20CS003	ASFA KHANUM	28	15	14	29	10	2	3	3	2	30	8	8	7	7	38	26	24	38	79
4	1SV20CS004	ASHA	23	10	10	23	10	2	3	3	2	25	6	6	6	7	31	19	19	32	63
5	1SV20CS005	ASHWINI S	27	15	15	30	10	2	3	3	2	33	9	8	8	8	38	26	26	40	81
6	1SV20CS006	BORISH KONGBRAILATPAM	29	15	15	30	10	2	3	3	2	40	10	10	10	10	41	28	28	42	87
7	1SV20CS007	DHEERAJ KUMAR P	24	15	14	29	6	1	2	1	2	21	5	5	5	6	30	22	20	37	68
8	1SV20CS008	DIBESH SRESTHA	21	12	13	30	10	2	3	3	2	36	9	9	9	9	32	24	25	41	76
9	1SV20CS009	EMILY LAURA	28	14	14	30	10	2	3	3	2	36	9	9	9	9	39	26	26	41	83
10	1SV20CS010	G MALINGARAYA	21	14	14	28	10	2	3	3	2	35	9	9	9	8	32	26	26	38	76
11	1SV20CS011	GIRISHA V	18	15	14	12	10	2	3	3	2	21	6	5	5	5	26	23	22	19	56
12	1SV20CS012	H R ABHINANDAN	16	14	13	17	10	2	3	3	2	44	11	11	11	11	29	28	27	30	71
13	1SV20CS013	HABIBULLA SADIK MULLA	26	10	9	20	6	1	2	1	2	32	8	8	8	8	35	20	18	30	64
14	1SV20CS014	HARSHITHA T A	28	20	9	30	10	2	3	3	2	13	4	3	3	3	34	26	15	35	69
15	1SV20CS015	JAHDUL ISLAM	22	15	11	25	6	1	2	1	2	23	6	6	6	5	29	23	18	32	64
16	1SV20CS016	JAYANTH D S	20	8	5	30	6	1	2	1	2	21	5	5	5	6	26	15	11	38	56
17	1SV20CS017	KAVYA M	28	15	10	30	10	2	3	3	2	29	7	7	7	8	37	25	20	40	76
18	1SV20CS018	KEERTHANA KUMBAR	13	10	11	17	6	1	2	1	2	21	6	5	5	5	20	17	17	24	49
19	1SV20CS019	M P SHISHIER	17	8	6	8	6	1	2	1	2	9	2	3	2	2	20	13	9	12	34
20	1SV20CS020	MADHURA SHREE M	18	15	14	25	6	1	2	1	2	27	7	7	7	6	26	24	22	33	66
21	1SV20CS021	MAJMAANJUM	23	10	13	23	10	2	3	3	2	35	9	9	9	8	34	22	25	33	71
22	1SV20CS022	MAMATHA K	17	8	3	30	10	2	3	3	2	31	8	8	8	7	27	19	14	39	62
23	1SV20CS023	MANOJ KUMAR PATIL	20	11	11	18	10	2	3	3	2	21	5	5	5	6	27	19	19	26	57
24	1SV20CS024	MANTESH H RANGARADDI	26	14	14	29	10	2	3	3	2	32	8	8	8	8	36	25	25	39	78
25	1SV20CS025	MOHAMMED NABIL	22	10	0	12	4	1	1	1	1	10	2	3	3	2	25	14	4	15	36
26	1SV20CS026	MORHAMMED OWAIS KHAN	14	0	5	27	4	1	1	1	1	21	6	5	5	5	21	6	11	33	44
27	1SV20CS027	MOMIN PASHA	15	7	5	17	6	1	2	1	2	9	2	3	2	2	18	12	8	21	37

Prof Phangirani Swamy cv
STAFF INCHARGE

H.O.P.
COMPUTER SCIENCE
SIET, TUMAKURU

28	1SV20CS028	MONIKA A	17	9	12	15	10	2	3	3	2	9	2	2	3	2	21	14	18	19	45
29	1SV20CS029	MYTHRI B N	23	14	13	21	10	2	3	3	2	22	6	6	5	5	31	23	21	28	64
30	1SV20CS030	NANDINI T S	22	10	13	19	6	1	2	1	2	16	4	4	4	4	27	16	18	25	54
31	1SV20CS031	NAYANA D G	25	15	14	27	10	2	3	3	2	23	6	6	5	6	33	24	22	35	71
32	1SV20CS032	NETHRA PRASAD D R	20	7	3	16	6	1	2	1	2	15	4	4	4	3	25	13	8	21	42
33	1SV20CS033	PARTHA H R	15	10	14	20	10	2	3	3	2	21	5	5	6	5	22	18	23	27	56
34	1SV20CS034	PUSHPRAJ	26	18	9	29	10	2	3	3	2	34	8	8	9	9	36	29	21	40	79
35	1SV20CS035	RAHUL AJITH KUMBAR	29	15	15	30	10	2	3	3	2	32	8	8	8	8	39	26	26	40	82
36	1SV20CS036	ROUSHANI BEGUM	28	14	14	30	10	2	3	3	2	38	9	9	10	10	39	26	27	42	84
37	1SV20CS037	SADASHISH KOMAR BHOKTA	29	15	15	30	10	2	3	3	2	40	10	10	10	10	41	28	28	42	87
38	1SV20CS038	SAGAR S K	23	14	13	16	6	1	2	1	2	11	3	3	3	2	27	19	17	20	52
39	1SV20CS039	SANIYA SARDAR	18	10	13	16	6	1	2	1	2	21	5	5	5	6	24	17	19	24	53
40	1SV20CS040	SEKH FARDEEN	19	10	10	19	6	1	2	1	2	11	2	3	3	3	22	15	14	24	47
41	1SV20CS041	SHAIK RABBANI	17	12	14	12	6	1	2	1	2	14	3	3	4	4	21	17	19	18	47
42	1SV20CS042	SHARIBA FIRDOSE	19	14	15	20	10	2	3	3	2	14	3	3	4	4	24	20	22	26	58
43	1SV20CS043	SHASHIREKHA M	12	9	9	12	10	2	3	3	2	5	2	1	1	1	16	13	13	15	36
44	1SV20CS045	SHRAVANAKUMARA T	26	14	14	29	10	2	3	3	2	35	8	9	9	9	36	26	26	40	80
45	1SV20CS046	SIDHANT PANDIT	14	7	5	19	4	1	1	1	1	16	4	4	4	4	19	12	10	24	41
46	1SV20CS047	SMRITI DEWANGAN	28	12	12	30	10	2	3	3	2	35	9	9	9	8	39	24	24	40	79
47	1SV20CS048	SOUVIK KARAK	25	16	12	30	10	2	3	3	2	39	10	10	9	10	37	29	24	42	83
48	1SV20CS049	SRIKIRAN B	26	13	10	29	6	1	2	1	2	21	6	5	5	5	33	20	16	36	66
49	1SV20CS050	SUSHMITHA K	26	15	15	24	10	2	3	3	2	26	6	6	7	7	34	24	25	33	73
50	1SV20CS051	TEJASHWINI R	21	15	14	20	10	2	3	3	2	23	6	6	5	6	29	24	22	28	64
51	1SV20CS052	TEJESHWAR T R	20	12	8	20	6	1	2	1	2	21	5	6	5	5	26	20	14	27	54
52	1SV20CS053	USHA B N	23	13	10	28	10	2	3	3	2	21	5	5	5	6	30	21	18	36	66
53	1SV20CS054	VAISHNAVI BHUSHAN	29	15	15	30	10	2	3	3	2	36	9	9	9	9	40	27	27	41	84
54	1SV20CS055	VARSHITHA T N	24	12	12	27	10	2	3	3	2	27	7	7	7	6	33	22	22	35	70
55	1SV20CS056	VENKATESH DALAWAJ	29	15	15	30	10	2	3	3	2	24	6	6	6	6	37	24	24	38	77
																	30	21.2	19.9	31.7	
																	63.8	64.1	60.2	67.5	

Attainment

[Signature]
 Prof. Phani Kumar Swamy

[Signature]
 HOD,
 COMPUTER SCIENCE & ENGINEERING
 SIET, TUMAKURU



DEPARTMENT OF COMPUTER SCIENCE / INFORMATION SCIENCE

SUBJECT	ANALOG AND DIGITAL ELECTRONICS	SUBJECT CODE	18CS33
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COURSE OUTCOME

- CO 1. Design and analyze application of analog circuits using photo devices, timer IC, power supply and regulator IC and op-amp
- CO 2. Explain the basic principles of A/D and D/A conversion circuits and develop the same.
- CO 3. Simplify digital circuits using KarnaughMap , and Quine-McClusky Methods.
- CO 4. Explain Gates and flip flops and make us in designing different data processing circuits, registers and counters and compare the types.
- CO 5. Develop simple HDL programs.

PSO1: To Create, select, and apply appropriate techniques, resources, modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.

PSO2: To manage complex IT projects with consideration of the human, financial, ethical and environmental factors and an understanding of risk management processes, and operational and policy implications.

PSO3: Acquaint module knowledge on emerging trends of the modern era in computer science and engineering.

PROGRAM OUTCOMES

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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.

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

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.CHARAN K V											
BRANCH	CSE / ISE			ACADEMIC YEAR				2021-22				
COURSE	B.E	SEMESTER			III	SECTION						
SUBJECT	ANALOG AND DIGITAL ELECTRONICS						SUBJECT CODE		18CS33			
CO & PO MAPPING												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	2	3	1	3			2	1	1	1	2
CO2	3	3	3	1	1			2	1	1	1	2
CO3	3	2	2	1	1			2	1	1	1	2
CO4	3	3	3	1	1			2	1	1	1	2
CO5	3	2	2	1	1			2	1	1	1	2
AVERAGE	3	2.4	2.6	1	1.4			2	1	1	1	2
OVERALL MAPPING OF SUBJECT												1.40

CO AND PO ATTAINMENT

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	0.28	0.8565	0.571	0.857	0.2855	0.8565			0.571	0.2855	0.2855	0.2855	0.571
CO2	0.24	0.7251	0.725	0.725	0.2417	0.2417			0.4834	0.2417	0.2417	0.2417	0.4834
CO3	0.28	0.8697	0.58	0.58	0.2899	0.2899			0.5798	0.2899	0.2899	0.2899	0.5798
CO4	0.28	0.8697	0.58	0.58	0.2899	0.2899			0.5798	0.2899	0.2899	0.2899	0.5798
CO5	0.25	0.7782	0.519	0.259	0.2594	0.2594			0.2594	0.2594	0.2594	0.2594	0.5188
AVERAGE	0.266	0.817	0.545	0.558	0.27	0.557			0.41	0.272	0.272	0.272	0.54
FINAL ATTAINMENT LEVEL													1.82

	PSO1	PSO2	PSO3
CO1	2	2	2
CO2	2	2	2
CO3	2	2	2
CO4	2	1	2
CO5	2	2	2
AVERAGE	2	2	2

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STAFF INCHARGE

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H.O.B.
COMPUTER SCIENCE & ENGG.,
SIET, TUMAKURU-06.

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PRINCIPAL
SIET, TUMAKURU.

Academic year	2021-22			SEM	SOME / 100	Total strength	#1	ARC88	Analog and Digital Electronics																											
	IA TEST 1(30M)								IA TEST 2(30M)			ASSIGNMENT / QUIZ(10 M)										SEE MARKS(50)								Total CO's Attainment						SEE Tot
	USN	CO1	CO2	TOTAL	CO1	CO2	TOTAL	CO1	CO2	CO3	CO4	CO5	CO1+2	CO3	CO4	CO5	CO1+4	CO2+5	CO3+5	CO4+5	CO5+5	CO1	CO2	CO3	CO4	CO5	CO6									
19V20C001	14	14	28	14.5	14.5	29	13.5	13.5	27	2	2	2	2	2	2	8	8	8	8	10	86.36364	84.48276	84.48276	81.03448	87.93103	38	24.5	24.5	23.5	25.5	40					
19V20C002	14	14	28	13	13	30	13	13	30	2	2	2	2	2	2	6.2	6.2	6.2	6.2	7.75	82.27273	80	80	80	85.34483	36.2	23.2	23.2	23.2	24.75	31					
19V20C003	14	14	28	13.5	13.5	27	10	10	20	2	2	2	2	2	2	7.4	7.4	7.4	7.4	9.25	85	78.9655	76.96552	66.89655	73.27586	37.4	22.9	22.9	19.4	23.25	37					
19V20C004	14	14	28	14.5	14.5	29	11	11	22	2	2	2	2	2	2	5.2	5.2	5.2	5.2	6.5	80	74.82726	74.82726	62.75862	67.24238	35.2	21.7	21.7	18.2	19.5	26					
19V20C005	14.5	14.5	29	14.5	14.5	29	14	14	28	2	2	2	2	2	2	8.2	8.2	8.2	8.2	10.25	89.09091	85.17241	85.17241	83.44828	90.51724	39.2	24.7	24.7	24.7	26.25	41					
19V20C006	14	14	28	13	13	30	12	12	24	2	2	2	2	2	2	10	10	10	10	13.5	90.90909	93.1034	93.10345	82.75862	91.37931	40	27	27	24	26.5	50					
19V20C007	14	14	28	13	13	30	14.5	14.5	29	2	2	2	2	2	2	7.8	7.8	7.8	7.8	9.75	85.90909	85.51724	85.51724	83.7931	90.51724	37.8	24.8	24.8	24.3	26.25	39					
19V20C008	14.5	14.5	29	14.5	14.5	29	10	10	20	2	2	2	2	2	2	7.8	7.8	7.8	7.8	9.75	88.18182	83.7931	83.7931	68.27586	75	38.8	24.3	24.3	19.8	21.75	39					
19V20C009	15	15	30	15	15	30	13	13	26	2	2	2	2	2	2	6.4	6.4	6.4	6.4	8	87.27273	80.68966	80.68966	73.7931	79.31034	38.4	23.4	23.4	21.4	23	37					
19V20C010	14.5	14.5	29	15	15	30	14.5	14.5	29	2	2	2	2	2	2	8.4	8.4	8.4	8.4	10.5	89.54545	87.5862	87.5862	85.86207	93.10345	39.4	25.4	25.4	24.9	27	42					
19V20C011	15	15	30	15	15	30	11.5	11.5	23	2	2	2	2	2	2	7	7	7	7	8.75	88.63636	82.75862	82.75862	70.68966	76.73414	39	24	24	20.5	22.25	33					
19V20C012	15	15	30	15	15	30	14	14	28	2	2	2	2	2	2	10	10	10	10	12.5	95.45455	93.1034	93.10345	89.65517	98.27586	42	27	27	26	28.5	50					
19V20C013	14	14	28	15	15	30	13.5	13.5	27	2	2	2	2	2	2	10	10	10	10	12.5	90.90909	93.1034	93.10345	87.93103	98.55172	40	27	27	25.5	28	50					
19V20C014	12	12	24	10	10	20	10.5	10.5	21	2	2	2	2	2	2	8	8	8	8	10	77.27273	68.9655	68.96552	70.68966	77.58621	34	20	20	20.5	23.3	40					
19V20C015	14	14	28	14.5	14.5	29	13.5	13.5	27	2	2	2	2	2	2	8	8	8	8	9	88.63636	87.931	87.93103	84.48276	82.24138	39	25	25	24.5	24.75	45					
19V20C016	12	12	24	15	15	30	10	10	20	2	2	2	2	2	2	7.8	7.8	7.8	7.8	9.5	76.36364	84.8276	84.8276	67.58621	74.12793	33.6	24.6	24.6	19.8	21.5	38					
19V20C017	14.5	14.5	29	15	15	30	10	10	20	2	2	2	2	2	2	8.8	8.8	8.8	8.8	11	90.45455	88.9655	88.96552	71.73414	79.31034	39.8	25.8	25.8	20.8	23	44					
19V20C018	14.5	14.5	29	13.5	13.5	27	15	15	30	2	2	2	2	2	2	10	10	10	10	12.5	91.81818	87.931	87.93103	93.10345	101.7241	41	25.5	25.5	27	29.5	50					
19V20C019	14.5	14.5	29	15	15	30	13.5	13.5	27	2	2	2	2	2	2	8.4	8.4	8.4	8.4	10.5	89.54545	87.5862	87.5862	82.41379	89.65517	39.4	25.4	25.4	23.8	26	42					
19V20C020	14.5	14.5	29	15	15	30	14	14	28	2	2	2	2	2	2	5.4	5.4	5.4	5.4	6.75	82.72727	77.2414	77.24138	73.7931	78.44828	36.4	22.4	22.4	21.4	22.75	27					
19V20C021	14	14	28	13	13	26	15	15	30	2	2	2	2	2	2	7.4	7.4	7.4	7.4	9.25	87.2414	77.24138	84.18793	90.51724	37.4	22.4	22.4	24.4	26.25	37						
19V20C022	15	15	30	15	15	30	15	15	30	2	2	2	2	2	2	10	10	10	10	12.5	95.45455	93.1034	93.10345	93.10345	101.7241	42	27	27	27	29.5	50					
19V20C023	19.5	19.5	39	15.5	15.5	31	11.5	11.5	23	2	2	2	2	2	2	5.2	5.2	5.2	5.2	6.5	68.96551	71.3793	71.37931	64.48276	68.96552	28.2	20.7	20.7	16.7	20	26					
19V20C024	15	15	30	14.5	14.5	29	13.5	13.5	27	2	2	2	2	2	2	8.2	8.2	8.2	8.2	10.25	91.36364	85.1724	85.17241	81.72414	88.7931	40.2	24.7	24.7	23.7	25.75	41					
19V20C025	10	10	20	13	13	26	12	12	24	2	2	2	2	2	2	10	10	10	10	12.5	72.72727	86.2089	86.2089	82.75862	91.37931	32	25	25	24	26.5	50					
19V20C026	14.5	14.5	29	15	15	30	13.5	13.5	27	2	2	2	2	2	2	7.8	7.8	7.8	7.8	9.75	88.18182	85.51724	85.51724	80.34483	87.06897	38.8	24.8	24.8	23.3	25.25	39					
19V20C028	15	15	30	15	15	30	15	15	30	2	2	2	2	2	2	7.8	7.8	7.8	7.8	9.75	90.45455	85.51724	85.51724	85.51724	92.24138	39.8	24.8	24.8	24.8	26.75	39					
19V20C028	14	14	28	15	15	30	15	15	30	2	2	2	2	2	2	6.4	6.4	6.4	6.4	8	81.72727	80.68966	80.68966	86.2089	86.2089	36.4	23.4	23.4	23.4	25	32					
19V20C031	14.5	14.5	29	15	15	30	15	15	30	2	2	2	2	2	2	8.4	8.4	8.4	8.4	10.5	89.54545	87.5862	87.5862	87.58621	94.82726	39.4	25.4	25.4	25.4	27.5	42					
19V20C032	13	13	26	13.5	13.5	27	13	13	26	2	2	2	2	2	2	7	7	7	7	8.75	79.54545	77.5862	77.5862	82.75862	88.7931	35	22.5	22.5	24	25.75	35					
19V20C033	15	15	30	15	15	30	15	15	30	2	2	2	2	2	2	10	10	10	10	12.5	95.45455	93.1034	93.10345	93.10345	101.7241	42	27	27	27	29.5	50					
19V20C034	14	14	28	15	15	30	14.5	14.5	29	2	2	2	2	2	2	10	10	10	10	12.5	90.90909	93.1034	93.10345	93.10345	101.7241	40	27	27	27	29.5	50					
19V20C035	15	15	30	10	10	20	10	10	20	2	2	2	2	2	2	8	8	8	8	10	91.90909	68.9655	68.96552	68.96552	75.86207	40	20	20	20	22	40					
19V20C036	14	14	28	13	13	26	13.5	13.5	27	2	2	2	2	2	2	8	8	8	8	9	88.63636	82.75862	82.75862	84.48276	92.24138	39	24	24	24.5	26.75	45					
19V20C037	14	14	28	14.5	14.5	29	13.5	13.5	27	2	2	2	2	2	2	7.6	7.6	7.6	7.6	9.5	85.45455	83.1034	83.10345	79.65517	86.2089	37.6	24.1	24.1	23.1	26	38					
19V20C038	14.5	14.5	29	10	10	20	14	14	28	2	2	2	2	2	2	3.2	3.2	3.2	3.2	6.5	82.27273	58.2103	58.21034	73.10345	77.58621	36.2	17.2	17.2	21.2	22.5	26					
19V20C039	14	14	28	15	15	30	14.5	14.5	29	2	2	2	2	2	2	8.2	8.2	8.2	8.2	10.25	88.81818	86.8966	86.89655	85.17241	92.24138	38.2	25.2	25.2	24.7	26.75	41					
19V20C040	14	14	28	15	15	30	13.5	13.5	27	2	2	2	2	2	2	10	10	10	10	12.5	90.90909	93.1034	93.10345	87.93103	96.55172	40	27	27	25.5	28	50					
19V20C041	14.5	14.5	29	14.5	14.5	29	14	14	28	2	2	2	2	2	2	7.8	7.8	7.8	7.8	9.75	88.18182	83.7931	83.7931	82.06897	88.7931	38.8	24.3	24.								



Department of Computer Science and Engineering

2021-2022

COURSE OUTCOMES

Subject: Computer Organization

Subject Code: 18CS34

- CO1. Explain the basic organization of a computer system.
- CO2. Demonstrate functioning of different sub systems, such as processor, Input/output, and memory.
- CO3. Illustrate hardwired control and micro programmed control, pipelining, embedded and other computing systems.
- CO4. Design and analyze simple arithmetic and logical units.

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 modelling 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.
- PO.9 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: recognition of the need for, and an ability to engage in, to resolve Contemporary issues and acquire lifelong learning.



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(Approved by AICTE, New Delhi, Recognised by Govt. of Karnataka and Affiliated to Visvesvaraya Technological University, Belagavi)



COLLEGE		SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY													
FACULTY NAME		Mr. CHETHAN M S													
BRANCH		CSE				ACADEMIC YEAR				2021-2022					
COURSE	B.E	SEMESTER				III		SECTION							
SUBJECT	COMPUTER ORGANIZATION						SUBJECT CODE				18CS34				

CO & PO MAPPING

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	2	-	2	-	-	-	-	-	-	-	2	-	-	-
CO2	3	3	2	-	-	-	-	-	-	-	-	2	-	-	2
CO3	3	2	-	2	-	-	-	-	-	-	-	2	2	-	2
CO4	3	3	3	2	-	-	-	-	-	-	-	2	2	-	2
AVG	3	2.5	1.2	1.5	-	-	-	-	-	-	-	2.0	1.0	-	1.5
OVERALL MAPPING OF SUBJECT												1.81			

CO AND PO ATTAINMENT

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	41.94	1.25	0.83	-	0.83	-	-	-	-	-	-	-	0.83	-	-	
CO2	52.76	1.58	1.58	1.05	-	-	-	-	-	-	-	-	1.05	-	-	1.05
CO3	51.28	1.53	1.02	-	1.02	-	-	-	-	-	-	-	1.02	1.02	-	1.02
CO4	54.15	1.62	1.62	1.62	1.08	-	-	-	-	-	-	-	1.08	1.08	-	1.08
AVERAGE	50.03	1.49	1.26	1.33	0.97	-	-	-	-	-	-	-	0.99	1.05	-	1.05
FINAL ATTAINMENT LEVEL													1.16			

Chethan M S
 STAFF INCHARGE

Chethan M S
 COMPUTER SCIENCE & ENGG.,
 SIET, TUMAKURU-06.

Chethan M S
 PRINCIPAL
 SIET, TUMAKURU

Department of Computer Science and Engineering

COURSE INSTRUCTOR: Prof. CHETHAN M S			COURSE CODE: 18CS34				COURSE: COMPUTER ORGANIZATION				SEM: III SEM				2021-2022 ODD SEM				TOTAL STRENGTH: 54				CSE			
Roll No.	USN	Name	T1		T2		T3		ASSIGNMENT-10				SET-40M				FINAL				SEE					
			T1-30	T2-30	T3-30	CO1-30	CO2-30	CO3-30	CO4-30	CO1-15	CO2-15	CO3-15	CO4-15	CO1-15	CO2-15	CO3-15	CO4-15	CO1-47.5	CO2-47.5	CO3-47.5		CO4-47.5				
1	1SV20CS001	ANUSHA B S	17	14	9	17	7	7	9	2.5	2.5	2.5	2.5	7.25	7.25	7.25	7.25	26.75	16.75	16.75	18.75	20				
2	1SV20CS002	ANUSHA R	18	23	6	18	12	11	6	2.5	2.5	2.5	2.5	9	9	9	9	29.5	23.5	22.5	17.5	36				
3	1SV20CS003	ASFA KHANUM	17	30	14	17	15	15	14	2.5	2.5	2.5	2.5	11.5	11.5	11.5	11.5	31	29	29	28	46				
4	1SV20CS004	ASHA	21	16	16	21	8	8	16	2.5	2.5	2.5	2.5	8	8	8	8	31.5	18.5	18.5	26.5	32				
5	1SV20CS005	ASHWINI S	15	17	24	15	9	8	24	2.5	2.5	2.5	2.5	9.75	9.75	9.75	9.75	27.25	21.25	20.25	36.25	30				
6	1SV20CS006	BORISH KONGBRILATPAM	23	23	24	23	12	11	24	2.5	2.5	2.5	2.5	9	9	9	9	34.5	23.5	22.5	35.5	36				
7	1SV20CS007	DHEERAJ KUMAR P	5	14	7	5	7	7	7	2.5	2.5	2.5	2.5	4.25	4.25	4.25	4.25	11.75	13.75	13.75	13.75	17				
8	1SV20CS008	DIBESH SRESTHA	6	3	17	6	2	1	17	2.5	2.5	2.5	2.5	7.5	7.5	7.5	7.5	16	12	11	27	30				
9	1SV20CS009	EMILY LAURA	AB	25	23	0	13	12	23	2.5	2.5	2.5	2.5	10.5	10.5	10.5	10.5	13	26	25	36	42				
10	1SV20CS010	G MALJNGARAYA	18	20	20	18	10	10	29	2.5	2.5	2.5	2.5	8.25	8.25	8.25	8.25	28.75	20.75	20.75	29.75	33				
11	1SV20CS011	GIRISHA V	5	14	7	5	7	7	7	2.5	2.5	2.5	2.5	4.25	4.25	4.25	4.25	11.75	13.75	13.75	13.75	17				
12	1SV20CS012	H R ABHINANDAN	4	11	15	4	6	5	15	2.5	2.5	2.5	2.5	10.25	10.25	10.25	10.25	16.75	18.75	17.75	27.75	41				
13	1SV20CS013	HABIBULLA SADIK MULLA	16	14	15	16	7	7	15	2.5	2.5	2.5	2.5	5.25	5.25	5.25	5.25	23.75	14.75	14.75	22.75	21				
14	1SV20CS014	HARSHITHA T A	19	20	14	19	10	10	14	2.5	2.5	2.5	2.5	8.75	8.75	8.75	8.75	30.25	21.25	21.25	25.25	26				
15	1SV20CS015	JAHDUL ISLAM	7	21	19	7	11	10	19	2.5	2.5	2.5	2.5	8.25	8.25	8.25	8.25	17.75	21.75	20.75	29.75	33				
16	1SV20CS016	JAYANTH D S	11	5	10	11	3	2	10	2.5	2.5	2.5	2.5	6.75	6.75	6.75	6.75	20.25	12.25	11.25	19.25	27				
17	1SV20CS017	KAVYA M	16	27	11	16	14	13	11	2.5	2.5	2.5	2.5	6.75	6.75	6.75	6.75	23.25	23.25	22.25	20.25	27				
18	1SV20CS018	KEERTHANA KUMBAR	14	2	11	14	1	1	11	2.5	2.5	2.5	2.5	7.25	7.25	7.25	7.25	23.75	10.75	10.75	20.75	20				
19	1SV20CS019	M P SHISHIER	0	3	3	0	2	1	3	2.5	2.5	2.5	2.5	5.25	5.25	5.25	5.25	7.75	9.75	8.75	10.75	21				
20	1SV20CS020	MADHURA SHREE M	14	21	7	14	11	10	7	2.5	2.5	2.5	2.5	8	8	8	8	24.5	21.5	20.5	17.5	32				
21	1SV20CS021	MAJMAANJUM	5	5	24	5	3	2	24	2.5	2.5	2.5	2.5	7.25	7.25	7.25	7.25	14.75	12.75	11.75	33.75	29				
22	1SV20CS022	MAMATHA K	5	16	8	5	8	8	8	2.5	2.5	2.5	2.5	8.25	8.25	8.25	8.25	15.75	18.75	18.75	18.75	33				
23	1SV20CS023	MANOJ KUMAR PATIL	8	12	9	8	6	6	9	2.5	2.5	2.5	2.5	4.25	4.25	4.25	4.25	14.75	12.75	12.75	15.75	17				
24	1SV20CS024	MANESH H RANGARADDI	15	15	20	15	8	7	20	2.5	2.5	2.5	2.5	4.25	4.25	4.25	4.25	21.75	14.75	13.75	26.75	17				
25	1SV20CS025	MOHAMMED NABIL	AB	6	20	0	3	3	20	2.5	2.5	2.5	2.5	6.5	6.5	6.5	6.5	9	12	12	29	26				
26	1SV20CS026	MOHAMMED OWAB KHAN	0	5	21	0	3	2	21	2.5	2.5	2.5	2.5	6.25	6.25	6.25	6.25	8.75	11.75	10.75	29.75	26				
27	1SV20CS028	MONIKA A	14	14	11	14	7	7	11	2.5	2.5	2.5	2.5	5.25	5.25	5.25	5.25	21.75	14.75	14.75	18.75	21				
28	1SV20CS029	MYTHRI B N	4	15	7	4	8	7	7	2.5	2.5	2.5	2.5	5.25	5.25	5.25	5.25	11.75	15.75	14.75	14.75	21				
29	1SV20CS030	NANDINI T S	5	10	11	5	5	5	11	2.5	2.5	2.5	2.5	5.25	5.25	5.25	5.25	12.75	12.75	12.75	18.75	21				
30	1SV20CS031	NAYANA D G	13	22	23	13	11	11	23	2.5	2.5	2.5	2.5	6.25	6.25	6.25	6.25	21.75	19.75	19.75	31.75	26				
31	1SV20CS032	NETHRA PRASAD D R	2	4	21	2	2	2	21	2.5	2.5	2.5	2.5	2.75	2.75	2.75	2.75	7.25	7.25	7.25	26.25	11				
32	1SV20CS033	PARTHA H R	15	14	3	15	7	7	3	2.5	2.5	2.5	2.5	5.25	5.25	5.25	5.25	22.75	14.75	14.75	10.75	21				
33	1SV20CS034	PUSHPRAJ	15	24	30	15	12	12	30	2.5	2.5	2.5	2.5	11.75	11.75	11.75	11.75	29.25	26.25	26.25	44.25	47				
34	1SV20CS035	RAHUL AJITH KUMBAR	11	17	13	11	9	8	13	2.5	2.5	2.5	2.5	10.25	10.25	10.25	10.25	23.75	21.75	20.75	25.75	41				
35	1SV20CS036	ROUSHANI BEGUM	17	20	9	17	10	10	9	2.5	2.5	2.5	2.5	9.25	9.25	9.25	9.25	28.75	21.75	21.75	20.75	37				
36	1SV20CS037	SADASHISH KUMAR BHOKTA	17	30	30	17	15	15	30	2.5	2.5	2.5	2.5	12.5	12.5	12.5	12.5	32	30	30	45	60				
37	1SV20CS038	SAGAR S K	7	11	8	7	6	5	8	2.5	2.5	2.5	2.5	5.5	5.5	5.5	5.5	15	14	13	16	22				
38	1SV20CS039	SANIYA SARDAR	6	9	17	6	5	4	17	2.5	2.5	2.5	2.5	8.25	8.25	8.25	8.25	16.75	15.75	14.75	27.75	33				
39	1SV20CS040	SEKH FARDEEN	3	3	20	3	2	1	20	2.5	2.5	2.5	2.5	7.5	7.5	7.5	7.5	13	12	11	30	30				
40	1SV20CS041	SHAK RABBANI	2	3	21	2	2	1	21	2.5	2.5	2.5	2.5	7.75	7.75	7.75	7.75	12.25	12.25	11.25	31.25	31				
41	1SV20CS042	SHARIBA FIRDOSE	5	17	8	5	9	8	8	2.5	2.5	2.5	2.5	8.75	8.75	8.75	8.75	16.25	20.25	19.25	19.25	30				
42	1SV20CS043	SHASHIREKHA M	6	7	13	6	4	3	13	2.5	2.5	2.5	2.5	5.25	5.25	5.25	5.25	13.75	11.75	10.75	20.75	21				
43	1SV20CS045	SHRAVANAKUMARA T	3	5	24	3	3	2	24	2.5	2.5	2.5	2.5	8.75	8.75	8.75	8.75	14.25	14.25	13.25	35.25	36				
44	1SV20CS046	SIDHANT PANDIT	AB	2	24	0	1	1	24	2.5	2.5	2.5	2.5	3.75	3.75	3.75	3.75	6.25	7.25	7.25	30.25	18				
45	1SV20CS047	SMRITI DEWANGAN	11	14	24	11	7	7	24	2.5	2.5	2.5	2.5	9.25	9.25	9.25	9.25	22.75	18.75	18.75	35.75	37				
46	1SV20CS048	SOUVIK KARAK	11	17	13	11	9	8	13	2.5	2.5	2.5	2.5	9	9	9	9	22.5	20.5	19.5	24.5	36				
47	1SV20CS049	SRIKIRAN B	0	4	22	0	2	2	22	2.5	2.5	2.5	2.5	2.25	2.25	2.25	2.25	4.75	6.75	6.75	26.75	9				
48	1SV20CS050	SUSHMITHA K	15	16	20	15	8	8	20	2.5	2.5	2.5	2.5	9.25	9.25	9.25	9.25	26.75	19.75	19.75	31.75	37				
49	1SV20CS051	TEJASHWINI R	16	16	9	16	8	8	9	2.5	2.5	2.5	2.5	6.25	6.25	6.25	6.25	24.75	16.75	16.75	17.75	25				
50	1SV20CS052	TEJESHWAR T R	2	9	15	2	5	4	15	2.5	2.5	2.5	2.5	5.25	5.25	5.25	5.25	9.75	12.75	11.75	22.75	21				
51	1SV20CS053	USHA B N	5	12	13	5	6	6	13	2.5	2.5	2.5	2.5	7.5	7.5	7.5	7.5	15	16	16	23	30				
52	1SV20CS054	VAISHNAVI BHUSHAN	30	30	30	30	15	15	30	2.5	2.5	2.5	2.5	13.75	13.75	13.75	13.75	46.25	31.25	31.25	46.25	66				
53	1SV20CS055	VARSHITHA T N	6	14	11	6	7	7	11	2.5	2.5	2.5	2.5	5.25	5.25	5.25	5.25	13.75	14.75	14.75	18.75	21				
54	1SV20CS056	VENKATESH DALAWAI	23	19	23	23	10	9	23	2.5	2.5	2.5	2.5	8.5	8.5	8.5	8.5	34	21	20	34	34				
																	AVG	19.9259259	17.14815	16.6666667	25.722222					
																	%	41.9493177	52.76353	51.28205128	54.152047					

Chethan M S
CHETHAN M S

Dr. Sannantha Shetty



Department of Computer Science and Engineering

COURSE OUTCOME

- C01.** Design a software system, components, or process to meet desired needs within realistic constraints.
- C02.** Assess professional and ethical responsibility.
- C03.** Function on multi-disciplinary teams.
- C04.** Use the techniques, skills and modern engineering tools necessary for engineering practice
- C05.** Analyze, design, implement, verify, validate, implement, apply and maintain software systems or parts of software 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		Mr SUTHAN R									
BRANCH		CSE			ACADEMIC YEAR			2021-22			
COURSE	B.E	SEMESTER		III	SECTION						
SUBJECT	Software Engineering				SUBJECT CODE		18CS35				

CO & PO MAPPING

	PO 1	PO 2	PO3	PO 4	PO 5	PO 6	PO7	PO8	PO 9	PO1 0	PO1 1	PO 12	PS O1	PS O2	PS O3
CO1	2		2		2	2							2	2	
CO2								3							1
CO3									2	2			1		1
CO4	2	2			2								2	2	
CO5			3	2	2		2				2	2			3
AVERAGE	2	2	2.5	2	2	2	2	3	2	2	2	2	1.3	2	1.3
OVERALL MAPPING OF SUBJECT												2.0			
												0			

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	0.51	0.01		0.01		0.01	0.01							0.01	0.01	
CO2	0.64								0.02							0.01
CO3	0.59									0.01	0.01			0.01		0.01
CO4	1.20	0.02	0.02			0.02								0.02	0.02	
CO5	0.58			0.02	0.01	0.01		0.01				0.01	0.01			0.02
AVERAGE	0.70	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.02	0.01
FINAL ATTAINMENT LEVEL													0.21			

C. S. Sathyanarayana

**HOD,
COMPUTER SCIENCE & ENGg.,
SIET, TUMAKURU-08.**

N. S. Sathyanarayana
**PRINCIPAL
SIET, TUMAKURU**

[Signature]
STAFF INCHARGE

ROLL NO	Academic year : 2021-22		SEM 3			Total strength : 55			Subject : SE					IBCS5					Total Cos ATTAINMENT					% of individual CO					SEE Total	
	USN	A TEST (100M)		IA TEST (300M)		ASSIGNMENT / QUIZ (10 M)			SEE MARKS(60)					Total Cos ATTAINMENT					% of individual CO											
		CO1	TOTAL	CO2	CO3	TOTAL	CO4	CO5	TOTAL	CO1	CO2	CO3	CO4	CO5	CO1-12	CO2	CO3	CO4	CO5	CO1-44	CO2-29	CO3-29	CO4-29	CO5-29	CO1	CO2	CO3	CO4		CO5
1	1SV20C3001	17	17	10	10	20	7	8	15	2	2	2	2	2	5.4	5.4	5.4	5.4	5.4	34.4	17.4	17.4	14.4	15.4	0.5545	0.6	0.6	0.4965517	0.510345	27
2	1SV20C3002	26	26	15	14	29	15	15	30	2	2	2	2	2	7	7	7	7	7	33	34	33	34	34	0.7955	0.8275862	0.791034	0.8275862	0.8275862	35
3	1SV20C3003	27	27	15	14	29	15	12	27	2	2	2	2	2	8.2	8.2	8.2	8.2	8.2	37.2	25.2	24.2	25.2	22.2	0.8455	0.8689655	0.8344828	0.8689655	0.7655172	41
4	1SV20C3004	17	17	14	15	29	14	15	29	2	2	2	2	2	6	6	6	6	6	25	22	23	22	23	0.5682	0.7586207	0.791034	0.7586207	0.791034	30
5	1SV20C3005	12	12	14	15	29	15	15	30	2	2	2	2	2	6	6	6	6	6	20	22	23	23	23	0.4545	0.7586207	0.791034	0.791034	0.791034	30
6	1SV20C3006	22	22	15	15	30	14	15	29	2	2	2	2	2	8	8	8	8	8	32	25	25	24	25	0.7273	0.862069	0.862069	0.8275862	0.862069	40
7	1SV20C3007	19	19	10	10	20	0	0	AB	2	2	2	2	2	6.2	6.2	6.2	6.2	6.2	27.2	18.2	18.2	8.2	8.2	0.6182	0.6275862	0.6275862	0.2827586	0.2827586	31
8	1SV20C3008	9	9	15	14	28	14	10	24	2	2	2	2	2	5.4	5.4	5.4	5.4	5.4	16.4	32.4	21.4	21.4	17.4	0.3727	0.7724138	0.717931	0.717931	0.6	27
9	1SV20C3009	19	19	15	14	29	7	8	15	2	2	2	2	2	7.6	7.6	7.6	7.6	7.6	28.6	24.6	23.6	16.6	17.6	0.65	0.8482759	0.8137931	0.5724138	0.6068966	38
10	1SV20C3010	14	14	15	12	27	15	12	27	2	2	2	2	2	6.6	6.6	6.6	6.6	6.6	22.6	23.6	20.6	23.6	20.6	0.5136	0.8137931	0.7103448	0.8137931	0.7103448	33
11	1SV20C3011	8	8	10	6	16	8	7	15	2	2	2	2	2	5.4	5.4	5.4	5.4	5.4	15.4	17.4	13.4	15.4	14.4	0.35	0.6	0.462069	0.5310345	0.4965517	27
12	1SV20C3012	12	12	10	6	16	10	8	18	2	2	2	2	2	7	7	7	7	7	21	19	15	19	17	0.4773	0.6551724	0.5172414	0.5517241	0.5862069	35
13	1SV20C3013	12	12	10	7	17	10	10	20	2	2	2	2	2	7.2	7.2	7.2	7.2	7.2	21.2	19.2	16.2	19.2	19.2	0.4818	0.662069	0.5586207	0.662069	0.662069	36
14	1SV20C3014	20	20	15	15	30	7	8	15	2	2	2	2	2	4.8	4.8	4.8	4.8	4.8	26.8	21.8	21.8	13.8	14.8	0.6091	0.7517241	0.7517241	0.4758621	0.5103448	24
15	1SV20C3015	16	16	10	12	22	5	4	9	2	2	2	2	2	6.2	6.2	6.2	6.2	6.2	24.2	18.2	20.2	13.2	12.2	0.55	0.6275862	0.6965517	0.4551724	0.6206897	31
16	1SV20C3016	13	13	15	11	26	10	10	20	2	2	2	2	2	7.2	7.2	7.2	7.2	7.2	22.2	24.2	20.2	19.2	19.2	0.5045	0.8344828	0.6965517	0.662069	0.662069	36
17	1SV20C3017	9	9	10	10	20	13	10	23	2	2	2	2	2	4.4	4.4	4.4	4.4	4.4	15.4	16.4	16.4	16.4	16.4	0.33	0.3655172	0.5655172	0.6689655	0.3655172	22
18	1SV20C3018	13	13	10	8	18	10	7	17	2	2	2	2	2	4.2	4.2	4.2	4.2	4.2	19.2	16.2	14.2	16.2	13.2	0.4364	0.5586207	0.4889655	0.5586207	0.4551724	21
19	1SV20C3019	11	11	10	1	11	2	2	4	2	2	2	2	2	1.6	1.6	1.6	1.6	1.6	14.6	13.6	4.6	5.6	5.6	0.3318	0.4689655	0.1586207	0.1931034	0.1931034	8
20	1SV20C3020	14	14	15	11	26	10	13	23	2	2	2	2	2	7.8	7.8	7.8	7.8	7.8	21.8	24.8	20.8	19.8	22.8	0.5409	0.8551724	0.7172414	0.6827586	0.7862069	39
21	1SV20C3021	16	16	10	14	24	15	14	29	2	2	2	2	2	3	3	3	3	3	20.6	14.6	18.6	19.6	18.6	0.4682	0.5034483	0.6413793	0.6758621	0.6413793	13
22	1SV20C3022	13	13	15	11	26	15	11	26	2	2	2	2	2	8	8	8	8	8	22.8	24.8	20.8	24.8	20.8	0.5182	0.8551724	0.7172414	0.8551724	0.7172414	39
23	1SV20C3023	11	11	3	2	5	5	5	10	2	2	2	2	2	4	4	4	4	4	17.4	9.4	8.4	11.4	11.4	0.3955	0.3241379	0.2896552	0.3931034	0.3931034	22
24	1SV20C3024	11	11	11	10	21	13	10	23	2	2	2	2	2	4	4	4	4	4	17.2	17.2	16.2	19.2	16.2	0.3900	0.5931034	0.5586207	0.662069	0.5586207	21
25	1SV20C3025	0	0	2	2	4	10	12	22	2	2	2	2	2	5	5	5	5	5	6.6	8.6	8.6	16.6	18.6	0.15	0.2965517	0.2965517	0.5724138	0.6413793	23
26	1SV20C3026	8	8	0	0	AB	9	9	18	2	2	2	2	2	3	3	3	3	3	12.6	4.6	4.6	13.6	13.6	0.1586207	0.1586207	0.4689655	0.4689655	0.4689655	13
27	1SV20C3027	12	12							2	2	2	2	2	4	4	4	4	4	18.2	6.2	6.2	9.2	9.2	0.4136	0.2137931	0.2137931	0.3172414	0.3172414	21
28	1SV20C3028	5	5	4	4	12	5	6	11	2	2	2	2	2	2	2	2	2	2	9.2	8.2	8.2	9.2	10.2	0.2091	0.2827586	0.3827586	0.3172414	0.3517241	11
29	1SV20C3029	16	16	10	5	15	7	7	14	2	2	2	2	2	5	5	5	5	5	22.6	16.6	11.6	13.6	13.6	0.5136	0.3724138	0.4	0.4689655	0.4689655	23
30	1SV20C3030	14	14	10	8	18	2	2	4	2	2	2	2	2	2	2	2	2	2	18.2	14.2	12.2	6.2	6.2	0.4136	0.4896552	0.4206897	0.2137931	0.2137931	11
31	1SV20C3031	16	16	12	15	27	15	11	26	2	2	2	2	2	6	6	6	6	6	23.8	19.8	22.8	22.8	18.8	0.5409	0.6827586	0.7862069	0.7862069	0.6482759	29
32	1SV20C3032	8	8	4	4	8	5	5	10	2	2	2	2	2	2	2	2	2	2	11.8	7.8	7.8	8.8	8.8	0.2082	0.2689655	0.2689655	0.3034483	0.3034483	9
33	1SV20C3033	11	11	6	6	12	1	2	3	2	2	2	2	2	4	4	4	4	4	17.4	12.4	12.4	7.4	8.4	0.3955	0.4275862	0.4275862	0.2551724	0.2896552	22
34	1SV20C3034	21	21	15	12	27	15	11	26	2	2	2	2	2	6	6	6	6	6	29.4	23.4	20.4	23.4	19.4	0.6682	0.8068966	0.7914483	0.8068966	0.6689655	32
35	1SV20C3035	18	18	15	13	28	15	13	28	2	2	2	2	2	8	8	8	8	8	28.4	25.4	23.4	25.4	23.4	0.6455	0.8758621	0.8068966	0.8758621	0.8068966	42
36	1SV20C3036	17	17	15	14	29	15	10	25	2	2	2	2	2	7	7	7	7	7	26.4	24.4	23.4	24.4	19.4	0.6	0.8413793	0.8068966	0.8413793	0.6689655	37
37	1SV20C3037	30	30	15	15	30	15	15	30	2	2	2	2	2	8	8	8	8	8	39.8	24.8	24.8	24.8	24.8	0.9045	0.8551724	0.8551724	0.8551724	0.8551724	39
38	1SV20C3038	15	15	10	8	18	7	7	14	2	2	2	2	2	6	6	6	6	6	23	19	16	15	15	0.5227	0.6206897	0.5517241	0.5172414	0.5172414	30
39	1SV20C3039	12	12	15	11	26	14	15	29	2	2	2	2	2	6	6	6	6	6	20.4	23.4	19.4	22.4	23.4	0.4636	0.8068966	0.6689655	0.7724138	0.8068966	32
40	1SV20C3040	10	10	10	7	17	9	9	18	2	2	2	2	2	6	6	6	6	6	18.4	18.4	15.4	17.4	17.4	0.4182	0.6344828	0.5510345	0.6	0.6	32
41	1SV20C3041	8	8	4	5	9	5	5	10	2	2	2	2	2	6	6	6	6	6	16.2	12.2	13.2	13.2	13.2	0.3682	0.4206897	0.4551724	0.4551724	0.4551724	31
42	1SV20C3042	14	14	10	9	19	7	8	15	2	2	2	2	2	3	3	3	3	3	19.4	15.4	14.4	12.4	13.4	0.4409	0.5310345	0.4965517	0.4275862	0.462069	17
43	1SV20C3043	11	11	15	11	26	10	6	16	2	2	2	2	2	4	4	4	4	4	17.4	17.4	14.4	12.4	13.4	0.4409	0.5310345	0.4965517	0.4275862	0.462069	17
44	1SV20C3044	14	14	10	11	21	14	10	24	2	2	2	2	2	5	5	5	5	5	21.4	21.4	17.4	16.4	12.4	0.3955	0.737931	0.6	0.5655172	0.4275862	27
45	1SV20C3045	0	0	0	0	0	15	11	26	2	2	2	2	2	4	4	4	4	4	6.2	6.2	6.2	21.2	17.2	0.1409	0.2137931	0.2137931	0.710345	0.9931034	21
46	1SV20C3046	22	22	15	10	25	15	10	25	2	2	2	2	2	7	7	7	7	7	30.6	23.6	18.6	23.6	18.6	0.6955	0.8137931	0.6413793	0.8137931	0.6413793	33



Sri Shridevi Charitable Trust (R.)
SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

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(Approved by AICTE, New Delhi, Recognised by Govt. of Karnataka and Affiliated to Visvesvaraya Technological University, Belagavi)

ESTD: 2002



Department of Computer Science and Engineering

2021-2022

COURSE OUTCOMES

Subject: Management and Entrepreneurship for IT Industry
Subject Code: 18CS51

- CO1. Define management, organization, entrepreneur, planning, staffing, ERP and outline their importance in entrepreneurship
- CO2. Utilize the resources available effectively through ERP.
- CO3. Make use of IPRs and institutional support in entrepreneurship

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 modelling 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: recognition of the need for, and an ability to engage in, to resolve Contemporary issues and acquire lifelong learning.



Sri Shridevi Charitable Trust (R.)
SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

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(Approved by AICTE, New Delhi, Recognised by Govt. of Karnataka and Affiliated to Visvesvaraya Technological University, Belagavi)

ESTD: 2002



COLLEGE		SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY															
FACULTY NAME		Mr. CHETHAN M S															
BRANCH		CSE				ACADEMIC YEAR				2021-2022							
COURSE	B.E.	SEMESTER				V		SECTION				A					
SUBJECT		MANAGEMENT AND ENTREPRENEURSHIP FOR IT INDUSTRY						SUBJECT CODE		18CS51							

CO & PO MAPPING

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	-	-	-	-	1	-	1	2	2	2	2	2	-	-
CO2	3	2	-	-	1	1	-	1	2	2	2	2	2	-	2
CO3	3	2	2	-	1	1	-	1	2	2	2	2	2	2	2
AVG	3.0	1.3	0.6	-	0.6	1.0	-	1.0	2.0	2.0	2.0	2.0	2.0	0.6	1.3
OVERALL MAPPING OF SUBJECT													1.49		

CO AND PO ATTAINMENT

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	50.37	1.51	-	-	-	-	0.50	-	0.50	1.01	1.01	1.01	1.01	1.01	-	-
CO2	58.53	1.75	1.17	-	-	0.58	0.58	-	0.58	1.17	1.17	1.17	1.17	1.17	-	1.17
CO3	73.82	2.21	1.17	1.47	-	0.73	0.73	-	0.73	1.47	1.47	1.47	1.47	1.47	1.47	1.47
AVERAGE	60.90	1.82	1.17	1.47	-	0.94	0.60	-	0.60	1.21	1.21	1.21	1.21	1.21	1.47	1.32
FINAL ATTAINMENT LEVEL														1.18		

Chethan M S
 STAFF INCHARGE

Chethan M S
 HOD,
 COMPUTER SCIENCE & ENGG.,
 SIET, TUMAKURU-06.

Manjunath
 PRINCIPAL
 SIET, TUMAKURU.

Department of Computer Science and Engineering

COURSE INSTRUCTOR: Prof. CHETHAN M S			COURSE CODE:18CS51		COURSE: Management and Entrepreneurship for IT Industry			SEM: V SEM A-Section			2022 ODD				CSE			
Roll No.	USN	Name						ASSIGNMENT-10			SEE-60M			FINAL			SEE	
			T1-30	T2-30	T3-30	T1	T2	T3	CO1-3.3	CO2-3.3	CO3-3.3	CO1-20	CO2-20	CO3-20	CO1-53.3	CO2-53.3		CO3-53.3
1	ISV19CS001	AFREEN AFSHAN	30	29	30	30	29	30	3.3	3.3	3.3	16.33	16.33	16.33	49.63	48.63	49.63	49
2	ISV19CS003	AKASH KUMAR SINGH	21	20	30	21	20	30	3.3	3.3	3.3	11.33	11.33	11.33	35.63	34.63	44.63	34
3	ISV19CS004	AKHIL N	11	AB	17	11	0	17	3.3	3.3	3.3	9.33	9.33	9.33	23.63	12.63	29.63	28
4	ISV19CS005	AKSHATHA M	11	20	19	11	20	19	3.3	3.3	3.3	7.00	7.00	7.00	21.30	30.30	29.30	21
5	ISV19CS006	AMRIT GYAWALI	20	25	26	20	25	26	3.3	3.3	3.3	9.67	9.67	9.67	32.97	37.97	38.97	29
6	ISV19CS007	ANKITHA K	17	24	27	17	24	27	3.3	3.3	3.3	10.00	10.00	10.00	30.30	37.30	40.30	30
7	ISV19CS008	ANUSHA B	12	26	29	12	26	29	3.3	3.3	3.3	12.00	12.00	12.00	27.30	41.30	44.30	36
8	ISV19CS009	ARBIN TAJ	2	1	25	2	1	25	3.3	3.3	3.3	4.00	4.00	4.00	9.30	8.30	32.30	12
9	ISV19CS011	ASHRITH P	8	8	23	8	8	23	3.3	3.3	3.3	11.33	11.33	11.33	22.63	22.63	37.63	34
10	ISV19CS013	AYESHA SALEEM	14	16	17	14	16	17	3.3	3.3	3.3	14.33	14.33	14.33	31.63	33.63	34.63	43
11	ISV19CS014	BHAGYASHREE	2	0	24	2	0	24	3.3	3.3	3.3	0.00	0.00	0.00	5.30	3.30	27.30	0
12	ISV19CS015	BHAGYASHREE G	17	21	26	17	21	26	3.3	3.3	3.3	10.00	10.00	10.00	30.30	34.30	39.30	30
13	ISV19CS016	BHARATHI H	14	22	26	14	22	26	3.3	3.3	3.3	10.00	10.00	10.00	27.30	35.30	39.30	30
14	ISV19CS017	BHARGAV N	7	AB	19	7	0	19	3.3	3.3	3.3	8.33	8.33	8.33	18.63	11.63	30.63	25
15	ISV19CS018	BHAVANA C	15	22	27	15	22	27	3.3	3.3	3.3	10.67	10.67	10.67	28.97	35.97	40.97	32
16	ISV19CS019	BHOJANNA AJAY	17	5	23	17	5	23	3.3	3.3	3.3	11.33	11.33	11.33	31.63	19.63	37.63	34
17	ISV19CS020	BHOOMIKA J N	11	8	23	11	8	23	3.3	3.3	3.3	8.67	8.67	8.67	22.97	19.97	34.97	26
18	ISV19CS021	BHUVANESHWARI	17	21	27	17	21	27	3.3	3.3	3.3	10.67	10.67	10.67	30.97	34.97	40.97	32
19	ISV19CS022	BHUVANESHWARI A	26	24	19	26	24	19	3.3	3.3	3.3	9.67	9.67	9.67	38.97	36.97	31.97	29
20	ISV19CS023	CHETHAN V	16	29	24	16	29	24	3.3	3.3	3.3	15.67	15.67	15.67	34.97	47.97	42.97	47
21	ISV19CS024	DARSHAN K N	AB	AB	26	0	0	26	3.3	3.3	3.3	5.00	5.00	5.00	8.30	8.30	34.30	15
22	ISV19CS025	DEEKSHA K	16	18	30	16	18	30	3.3	3.3	3.3	10.00	10.00	10.00	29.30	31.30	43.30	30
23	ISV19CS026	DHANUSH K	0	AB	26	0	0	26	3.3	3.3	3.3	4.67	4.67	4.67	7.97	7.97	33.97	14
24	ISV19CS027	DISHAN M	19	24	26	19	24	26	3.3	3.3	3.3	8.00	8.00	8.00	30.30	35.30	37.30	24
25	ISV19CS028	DULARCHAND KALWAR	4	19	17	4	19	17	3.3	3.3	3.3	14.67	14.67	14.67	21.97	36.97	34.97	44
26	ISV19CS029	ESRA BANU	7	16	20	7	16	20	3.3	3.3	3.3	9.33	9.33	9.33	19.63	28.63	32.63	28
27	ISV19CS030	GAYITHRIDEVI K M	15	25	24	15	25	24	3.3	3.3	3.3	14.00	14.00	14.00	32.30	42.30	41.30	42
28	ISV19CS031	GOUDAR ROHIT RENU	4	22	18	4	22	18	3.3	3.3	3.3	10.00	10.00	10.00	17.30	35.30	31.30	30
29	ISV19CS032	H BARKATHULLA	13	22	28	13	22	28	3.3	3.3	3.3	14.67	14.67	14.67	30.97	39.97	45.97	44
30	ISV19CS033	HARISHA M R	17	23	27	17	23	27	3.3	3.3	3.3	15.00	15.00	15.00	35.30	41.30	45.30	45

Chethan M.S
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COMPUTER SCIENCE & ENGG.,
SIET, TUMAKURU-06.

31	ISV19CS034	HARSHITHA C	30	30	30	30	30	30	3.3	3.3	3.3	15.00	15.00	15.00	48.30	48.30	48.30	45	
32	ISV19CS035	HEMANTH K R	15	22	30	15	22	30	3.3	3.3	3.3	11.33	11.33	11.33	29.63	36.63	44.63	34	
33	ISV19CS036	J N SHREYAS	11	28	29	11	28	29	3.3	3.3	3.3	10.67	10.67	10.67	24.97	41.97	42.97	32	
34	ISV19CS037	MADIWALAR	10	19	30	10	19	30	3.3	3.3	3.3	11.67	11.67	11.67	24.97	33.97	44.97	35	
35	ISV19CS038	KALPANA M N	9	26	26	9	26	26	3.3	3.3	3.3	10.67	10.67	10.67	22.97	39.97	39.97	32	
36	ISV19CS040	LAVANYA T S	17	23	29	17	23	29	3.3	3.3	3.3	11.00	11.00	11.00	31.30	37.30	43.30	33	
37	ISV19CS041	MADHAVA REDDY M	AB	11	22	0	11	22	3.3	3.3	3.3	9.67	9.67	9.67	12.97	23.97	34.97	29	
38	ISV19CS042	MAHALAKSHMI H	13	14	30	13	14	30	3.3	3.3	3.3	10.00	10.00	10.00	26.30	27.30	43.30	30	
39	ISV19CS043	MONIKA P	5	12	21	5	12	21	3.3	3.3	3.3	7.00	7.00	7.00	15.30	22.30	31.30	21	
40	ISV19CS044	MONISHA P	23	29	30	23	29	30	3.3	3.3	3.3	12.67	12.67	12.67	38.97	44.97	45.97	38	
41	ISV19CS045	NAGAKRUPA D R	15	23	26	15	23	26	3.3	3.3	3.3	9.67	9.67	9.67	27.97	35.97	38.97	29	
42	ISV19CS046	NANDAN KUMAR M	20	14	20	20	14	20	3.3	3.3	3.3	11.67	11.67	11.67	34.97	28.97	34.97	35	
43	ISV19CS047	NANDINI A	17	19	29	17	19	29	3.3	3.3	3.3	10.33	10.33	10.33	30.63	32.63	42.63	31	
44	ISV19CS048	NAYANA H S	11	16	26	11	16	26	3.3	3.3	3.3	12.33	12.33	12.33	26.63	31.63	41.63	37	
45	ISV19CS050	NIKKI KISHORE	23	23	30	23	23	30	3.3	3.3	3.3	16.67	16.67	16.67	42.97	42.97	49.97	50	
46	ISV19CS051	NOOR JAHAN	11	10	15	11	10	15	3.3	3.3	3.3	10.00	10.00	10.00	24.30	23.30	28.30	30	
47	ISV19CS052	PRAMOD R	10	14	26	10	14	26	3.3	3.3	3.3	7.00	7.00	7.00	20.30	24.30	36.30	21	
48	ISV19CS053	PRIYA R ACHARYA	26	25	30	26	25	30	3.3	3.3	3.3	10.67	10.67	10.67	39.97	38.97	43.97	32	
49	ISV19CS054	RAHUL S	3	0	27	3	0	27	3.3	3.3	3.3	10.00	10.00	10.00	16.30	13.30	40.30	30	
50	ISV19CS055	RAJAN KUMAR PATEL	0	4	26	0	4	26	3.3	3.3	3.3	8.33	8.33	8.33	11.63	15.63	37.63	25	
51	ISV19CS056	RAKSHITH B R	8	30	29	8	30	29	3.3	3.3	3.3	11.00	11.00	11.00	22.30	44.30	43.30	33	
52	ISV19CS057	RAVINDRA H V	30	29	30	30	29	30	3.3	3.3	3.3	12.33	12.33	12.33	45.63	44.63	45.63	37	
53	ISV19CS058	S ANKITHA	18	18	30	18	18	30	3.3	3.3	3.3	15.00	15.00	15.00	36.30	36.30	48.30	45	
54	ISV19CS059	SAHANA B R	3	14	23	3	14	23	3.3	3.3	3.3	8.33	8.33	8.33	14.63	25.63	34.63	25	
55	ISV19CS060	GULARADDI	16	14	26	16	14	26	3.3	3.3	3.3	11.67	11.67	11.67	30.97	28.97	40.97	35	
56	ISV19CS061	SAI KISHAN M R	8	15	28	8	15	28	3.3	3.3	3.3	8.67	8.67	8.67	19.97	26.97	39.97	26	
57	ISV19CS062	SANIHA C	11	11	26	11	11	26	3.3	3.3	3.3	8.00	8.00	8.00	22.30	22.30	37.30	24	
58	ISV19CS063	SANTHOSH C	14	24	30	14	24	30	3.3	3.3	3.3	12.00	12.00	12.00	29.30	39.30	45.30	36	
59	ISV19CS064	CHAUBEY	8	9	26	8	9	26	3.3	3.3	3.3	13.33	13.33	13.33	24.63	25.63	42.63	40	
60	ISV19CS065	SHAFIYA KHANUM	11	24	26	11	24	26	3.3	3.3	3.3	11.67	11.67	11.67	25.97	38.97	40.97	35	
															AVG	26.85	31.2	39.35	
															%	50.375235	58.536585	73.827392	

Chandru
CHANDRU M.S

Dr. Hanumanth Kumar
HOD,
COMPUTER SCIENCE & ENGG.,
SIET, TUMAKURU-06.



Department of Computer Science and Engineering

COURSE OUTCOME

- CO1. Explain principles of application layer protocols
- CO2. Recognize transport layer services and infer UDP and TCP protocols
- CO3. Classify routers, IP and Routing Algorithms in network layer
- CO4. Understand the Wireless and Mobile Networks covering IEEE 802.11 Standard
- CO5. Describe Multimedia Networking and Network Management

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 modelling 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: 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. AYESHA KHANUM					
BRANCH	CSE	ACADEMIC YEAR			2024-25	
COURSE	B.E	SEMESTER	V	SECTION	B	
SUBJECT	Computer Networks and Security			SUBJECT CODE	18CS52	

CO-PO-PSO Mapping															
COs	Pos												PSOs		
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3
CO1	3	2	1			1	1					2	3	1	2
CO2	3	3	2	2	3	1	1					2	3	1	2
CO3	3	3	2	3	3	1	1					2	3	2	2
CO4	2	1		2	3	1	1					3	2	1	3
CO5	1			1		1	1					1	1	1	2
Average	2.4	2.25	1.6	2	3	1	1					2	2.4	1.2	2.2

CO AND PO ATTAINMENT

ATTAINMENT TABLE																
COs	AVG	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	86	2.58	1.72	0.86			0.86	0.86					1.72	2.58	0.86	1.72
CO2	46	1.38	1.38	0.92	0.92	1.38	0.46	0.46					0.92	1.38	0.46	0.92
CO3	44.4	1.33	1.33	0.88	1.33	1.33	0.44	0.44					0.88	1.33	0.88	0.88
CO4	41.9	0.83	0.41		0.83	1.25	0.41	0.41					1.25	0.83	0.41	1.25
CO5	39.4	0.39			0.39		0.39	0.39					0.39	0.39	0.39	0.39
AVERAGE		1.30	1.21	0.88	0.86	1.32	0.51	0.51					1.03	1.30	0.6	1.1

AKH

STAFF INCHARGE

Cv. Ayesha Khanum
H.O.D.
COMPUTER SCIENCE & ENGG.,
SIET, TUMAKURU-60.

Principals Signature
PRINCIPAL
SIET, TUMAKURU.

Roll No.	USN	Name	T1					T2					T3					ASSIGNMENT 10/5					SEE					Final					TOTAL AVG
			T1	T2	T3	CO 1-30	CO 2-15	CO 3-15	CO 4-15	CO 5-15	CO 1-2	C O2	C O3	CO 4-2	CO 5-2	SEE	CO1-12	CO2-12	CO3-12	CO4-12	CO5-12	CO1-44	CO2-29	CO3-29	CO4-29	CO5-29							
1	ISV19CS001	AFREEN AFSHAN	15	24	24	15	10	14	14	10	2	2	2	2	2	38	7.6	7.6	7.6	7.6	7.6	24.6	19.6	23.6	23.6	19.6	22.2						
2	ISV19CS003	SINGH	21	21	23	21	10	11	10	13	2	2	2	2	2	32	6.4	6.4	6.4	6.4	6.4	29.4	18.4	19.4	18.4	21.4	21.4						
3	ISV19CS004	AKHIL N	0	18	18	0	10	8	10	8	2	2	2	2	2	39	7.8	7.8	7.8	7.8	7.8	29.8	18.8	19.8	17.8	19.8	17.8						
4	ISV19CS005	AKSHATHA M	16	20	24	16	10	10	10	14	2	2	2	2	2	24	4.8	4.8	4.8	4.8	4.8	22.8	16.8	16.8	16.8	20.8	18.8						
5	ISV19CS006	AMRIT GYAWALI	23	27	23	23	15	12	10	13	2	2	2	2	2	26	5.2	5.2	5.2	5.2	5.2	30.2	22.2	19.2	17.2	20.2	21.8						
6	ISV19CS007	ANKITHA K	26	26	17	26	11	15	10	7	2	2	2	2	2	29	5.8	5.8	5.8	5.8	5.8	33.8	18.8	22.8	17.8	14.8	21.6						
7	ISV19CS008	ANUSHA B	21	30	24	21	15	15	10	14	2	2	2	2	2	34	6.8	6.8	6.8	6.8	6.8	29.8	23.8	23.8	18.8	22.8	23.8						
8	ISV19CS009	ARBIN TAJ	2	12	15	2	6	6	10	5	2	2	2	2	2	15	3	3	3	3	3	7	11	11	15	10	10.8						
9	ISV19CS011	ASHRITH P	9	20	17	9	10	10	10	7	2	2	2	2	2	38	7.6	7.6	7.6	7.6	7.6	18.6	19.6	19.6	19.6	16.6	18.8						
10	ISV19CS013	SALEEM	23	30	25	23	15	15	15	10	2	2	2	2	2	32	6.4	6.4	6.4	6.4	6.4	31.4	23.4	23.4	23.4	18.4	24						
11	ISV19CS014	BHAGYASHREE	5	2	0	5	1	1	0	0	2	2	2	2	2	0	0	0	0	0	7	3	3	2	2	3.4							
12	ISV19CS015	GIRIYASHREE G	15	29	30	15	15	14	15	15	2	2	2	2	2	26	5.2	5.2	5.2	5.2	5.2	22.2	22.2	21.2	22.2	22.2	22						
13	ISV19CS016	BHARATHI H	21	29	15	21	14	15	10	5	2	2	2	2	2	35	7	7	7	7	7	30	23	24	19	14	22						
14	ISV19CS017	BHARGAV N	0	18	12	0	10	8	10	2	2	2	2	2	2	9	1.8	1.8	1.8	1.8	1.8	3.8	13.8	11.8	13.8	5.8	9.8						
15	ISV19CS018	BHAVANA C	27	29	24	27	15	14	14	10	2	2	2	2	2	27	5.4	5.4	5.4	5.4	5.4	34.4	22.4	21.4	21.4	17.4	23.4						
16	ISV19CS019	BHOJANNA AJAY	11	15	14	11	10	5	10	4	2	2	2	2	2	21	4.2	4.2	4.2	4.2	4.2	17.2	16.2	11.2	16.2	10.2	14.2						
17	ISV19CS020	BHOOMIKA J N	16	15	15	16	10	5	10	5	2	2	2	2	2	21	4.2	4.2	4.2	4.2	4.2	22.2	16.2	11.2	16.2	11.2	15.4						
18	ISV19CS021	BRUNAVI ECHOMVEI	27	30	0	27	15	15	0	0	2	2	2	2	2	35	7	7	7	7	7	36	24	24	9	9	20.4						
19	ISV19CS022	BRUNAVI ECHOMVEI	20	27	26	20	12	15	10	16	2	2	2	2	2	21	4.2	4.2	4.2	4.2	4.2	26.2	18.2	21.2	16.2	22.2	20.8						
20	ISV19CS023	CHETHAN V	20	29	24	20	15	14	14	10	2	2	2	2	2	35	7	7	7	7	7	29	24	23	23	19	23.6						
21	ISV19CS024	DARSHAN K N	11	11	0	11	5	6	0	0	2	2	2	2	2	3	0.6	0.6	0.6	0.6	0.6	13.6	7.6	8.6	2.6	2.6	7						
22	ISV19CS025	DEEKSHA K	26	29	21	26	15	14	10	11	2	2	2	2	2	36	7.2	7.2	7.2	7.2	7.2	35.2	24.2	23.2	19.2	20.2	24.4						
23	ISV19CS026	DHANUSH K	9	19	0	9	10	9	0	0	2	2	2	2	2	13	2.6	2.6	2.6	2.6	2.6	13.6	14.6	13.6	4.6	4.6	10.2						
24	ISV19CS027	DISHAN M	18	29	23	18	14	15	13	10	2	2	2	2	2	33	6.6	6.6	6.6	6.6	6.6	26.6	22.6	23.6	21.6	18.6	22.6						
25	ISV19CS028	KALWAR	8	22	22	8	10	12	11	11	2	2	2	2	2	21	4.2	4.2	4.2	4.2	4.2	14.2	16.2	18.2	17.2	17.2	16.6						
26	ISV19CS029	ESRA BANU	15	27	27	15	15	12	17	10	2	2	2	2	2	21	4.2	4.2	4.2	4.2	4.2	21.2	21.2	18.2	23.2	16.2	20						
27	ISV19CS030	KANAYATHI DEVI	18	27	26	18	12	15	11	15	2	2	2	2	2	38	7.6	7.6	7.6	7.6	7.6	27.6	21.6	24.6	20.6	24.6	23.8						
28	ISV19CS031	RENU	11	17	11	11	10	7	10	1	2	2	2	2	2	12	2.4	2.4	2.4	2.4	2.4	15.4	14.4	11.4	14.4	5.4	12.2						
29	ISV19CS032	BARKATHULLA	24	27	30	24	15	12	15	15	2	2	2	2	2	38	7.6	7.6	7.6	7.6	7.6	33.6	24.6	21.6	24.6	24.6	25.8						
30	ISV19CS033	HARISHA M R	27	25	20	27	15	10	10	10	2	2	2	2	2	50	10	10	10	10	10	39	27	22	22	22	26.4						
31	ISV19CS034	HARSHITHA C	29	30	30	29	15	15	15	15	2	2	2	2	2	41	8.2	8.2	8.2	8.2	8.2	39.2	25.2	25.2	25.2	25.2	28						
32	ISV19CS035	HEMANTH K R	23	23	29	23	13	10	14	15	2	2	2	2	2	42	8.4	8.4	8.4	8.4	8.4	33.4	23.4	20.4	24.4	25.4	25.4						
33	ISV19CS036	J N SHREYAS	14	23	20	14	10	13	10	10	2	2	2	2	2	17	3.4	3.4	3.4	3.4	3.4	19.4	15.4	18.4	15.4	15.4	16.8						
34	ISV19CS037	JYOTTI MOHAN MADIWALAR	21	29	27	21	15	14	12	15	2	2	2	2	2	34	6.8	6.8	6.8	6.8	6.8	29.8	23.8	22.8	20.8	23.8	24.2						
35	ISV19CS038	KALPANA M N	26	30	30	26	15	15	15	15	2	2	2	2	2	35	7	7	7	7	7	35	24	24	24	24	26.2						
36	ISV19CS040	LAVANYA T S	18	24	22	18	14	10	10	12	2	2	2	2	2	38	7.6	7.6	7.6	7.6	7.6	27.6	23.6	19.6	19.6	21.6	22.4						
37	ISV19CS041	REDDY M	0	26	19	0	15	11	10	9	2	2	2	2	2	41	8.2	8.2	8.2	8.2	8.2	10.2	25.2	21.2	20.2	19.2	19.2						
38	ISV19CS042	MONIKA P	27	30	18	27	15	15	10	8	2	2	2	2	2	24	4.8	4.8	4.8	4.8	4.8	33.8	21.8	21.8	16.8	14.8	21.8						
39	ISV19CS043	MONIKA P	26	29	17	26	14	15	10	7	2	2	2	2	2	21	4.2	4.2	4.2	4.2	4.2	32.2	20.2	21.2	16.2	13.2	20.6						

40	ISV19CS044	MONISHA P	24	27	25	24	15	12	1	10	2	2	2	2	2	33	6.6	6.6	6.6	6.6	6.6	32.6	23.6	20.6	23.6	18.6	23.8								
41	ISV19CS045	NAGAKRUPA D R	23	27	23	23	15	17	10	13	2	2	2	2	2	21	4.2	4.2	4.2	4.2	4.2	29.2	21.2	23.2	16.2	19.2	21.8								
42	ISV19CS046	KUMAR M	20	18	21	20	10	8	11	10	2	2	2	2	2	27	5.4	5.4	5.4	5.4	5.4	27.4	17.4	15.4	18.4	17.4	19.2								
43	ISV19CS047	NANDINI A	20	30	21	20	15	15	10	11	2	2	2	2	2	32	6.4	6.4	6.4	6.4	6.4	28.4	23.4	23.4	18.4	19.4	22.6								
44	ISV19CS048	NAYANA H S	20	27	27	20	15	12	15	12	2	2	2	2	2	32	6.4	6.4	6.4	6.4	6.4	28.4	23.4	20.4	23.4	20.4	23.2								
45	ISV19CS050	NIKKI KISHORE	23	29	27	23	14	15	12	15	2	2	2	2	2	44	8.8	8.8	8.8	8.8	8.8	33.8	24.8	25.8	22.8	25.8	26.6								
46	ISV19CS051	NOOR JAHAN	21	29	21	21	15	14	10	11	2	2	2	2	2	21	4.2	4.2	4.2	4.2	4.2	27.2	21.2	20.2	16.2	17.2	20.4								
47	ISV19CS052	PRAMOD R	21	21	18	21	10	11	10	8	2	2	2	2	2	23	4.6	4.6	4.6	4.6	4.6	27.6	16.6	17.6	16.6	14.6	18.6								
48	ISV19CS053	ACHARYA	23	29	21	23	15	14	20	1	2	2	2	2	2	32	6.4	6.4	6.4	6.4	6.4	31.4	23.4	22.4	28.4	9.4	23								
49	ISV19CS054	RAHUL S	15	17	14	15	10	7	7	7	2	2	2	2	2	17	3.4	3.4	3.4	3.4	3.4	20.4	15.4	12.4	12.4	12.4	14.6								
50	ISV19CS055	PATEL	2	16	12	2	10	6	6	6	2	2	2	2	2	12	2.4	2.4	2.4	2.4	2.4	6.4	14.4	10.4	10.4	10.4	10.4								
51	ISV19CS056	RAKSHITH B R	15	20	27	15	10	10	15	12	2	2	2	2	2	29	5.8	5.8	5.8	5.8	5.8	22.8	17.8	17.8	22.8	19.8	20.2								
52	ISV19CS057	RAVINDRA H V	27	30	30	27	15	15	15	15	2	2	2	2	2	39	7.8	7.8	7.8	7.8	7.8	36.8	24.8	24.8	24.8	24.8	27.2								
53	ISV19CS058	S ANKITHA	20	30	23	20	15	15	10	13	2	2	2	2	2	36	7.2	7.2	7.2	7.2	7.2	29.2	24.2	24.2	19.2	22.2	23.8								
54	ISV19CS059	SAHANA B R	0	18	19	0	10	8	10	9	2	2	2	2	2	11	2.2	2.2	2.2	2.2	2.2	4.2	14.2	12.2	14.2	13.2	11.6								
55	ISV19CS060	SAHANA SHARANAPPA	12	27	17	12	15	12	10	7	2	2	2	2	2	29	5.8	5.8	5.8	5.8	5.8	19.8	22.8	19.8	17.8	14.8	19								
56	ISV19CS061	SAI KISHAN M R	26	30	30	26	15	15	15	15	2	2	2	2	2	27	5.4	5.4	5.4	5.4	5.4	33.4	22.4	22.4	22.4	22.4	24.6								
57	ISV19CS062	SANIHA C	2	29	23	2	14	15	10	13	2	2	2	2	2	8	1.6	1.6	1.6	1.6	1.6	5.6	17.6	18.6	13.6	16.6	14.4								
58	ISV19CS063	SANTHOSH C	26	30	26	26	15	15	11	15	2	2	2	2	2	39	7.8	7.8	7.8	7.8	7.8	35.8	24.8	24.8	20.8	24.8	26.2								
59	ISV19CS064	SATYAM KUMAR CHAUBEY	23	30	30	23	15	15	15	15	2	2	2	2	2	34	6.8	6.8	6.8	6.8	6.8	31.8	23.8	23.8	23.8	23.8	25.4								
60	ISV19CS065	KHANUM	9	29	21	9	15	14	10	11	2	2	2	2	2	36	7.2	7.2	7.2	7.2	7.2	18.2	24.2	23.2	19.2	20.2	21								
																					24.94	20.24	19.54	18.46	17.36										
																					86	46	44.4	41.9	39.4										

21-22
odd cs

Roll No.	USN	Name	SCSSm:V 021-2 ODDULTY: Mr. Renukaradhya																		
			SUB: DBMS			T1				T2				ASSIGNMENT 10/4				Final			
			T1	T2	T3	CO1 30	CO2 15	CO3 15	CO4 30	CO1	CO2	CO3	CO4	CO1 =32. 5	CO2 =32. 5	CO3 =32. 5	CO4 =32. 5	EE(6C)			
1	1SV19CS001	AFREEN AFSHAN	18	24	27	18	12	12	27	2.5	2.5	2.5	2.5	20.5	14.5	14.5	29.5	45			
2	1SV19CS003	AKASH KUMAR SINGH	20	18	29	20	15	13	29	2.5	2.5	2.5	2.5	22.5	17.5	15.5	31.5	44			
3	1SV19CS004	AKHIL N	2	0	0	0	0	0	0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	44			
4	1SV19CS005	AKSHATHA M	15	24	17	15	12	12	17	2.5	2.5	2.5	2.5	17.5	14.5	14.5	19.5	41			
5	1SV19CS006	AMRIT GYAWALI	22	20	24	22	10	10	24	2.5	2.5	2.5	2.5	24.5	12.5	12.5	26.5	39			
6	1SV19CS007	ANKITHA K	24	25	27	24	15	10	27	2.5	2.5	2.5	2.5	26.5	17.5	12.5	29.5	38			
7	1SV19CS008	ANUSHA B	22	24	27	22	12	12	27	2.5	2.5	2.5	2.5	24.5	14.5	14.5	29.5	41			
8	1SV19CS009	ARBIN TAJ	10	24	17	10	12	12	17	2.5	2.5	2.5	2.5	12.5	14.5	14.5	19.5	43			
9	1SV19CS011	ASHRITH P	5	21	27	5	11	10	27	2.5	2.5	2.5	2.5	7.5	13.5	12.5	29.5	42			
10	1SV19CS013	AYESHA SALEEM	23	27	27	23	15	12	27	2.5	2.5	2.5	2.5	25.5	17.5	14.5	29.5	36			
11	1SV19CS014	BHAGYASHREE	A	4	A	0	2	2	0	2.5	2.5	2.5	2.5	2.5	4.5	4.5	2.5	34			
12	1SV19CS015	BHAGYASHREE G	20	24	30	20	12	12	30	2.5	2.5	2.5	2.5	22.5	14.5	14.5	32.5	33			
13	1SV19CS016	BHARATHI H	18	24	27	18	12	12	27	2.5	2.5	2.5	2.5	20.5	14.5	14.5	29.5	32			
14	1SV19CS017	BHARGAV N	A	17	A	0	9	8	0	2.5	2.5	2.5	2.5	2.5	11.5	10.5	2.5	39			
15	1SV19CS018	BHAVANA C	23	27	23	23	14	13	23	2.5	2.5	2.5	2.5	25.5	16.5	15.5	25.5	43			
16	1SV19CS019	BHOJANNA AJAY	12	1	A	12	0	1	0	2.5	2.5	2.5	2.5	14.5	2.5	3.5	2.5	38			
17	1SV19CS020	BHOOMIKA J N	20	24	29	20	12	12	29	2.5	2.5	2.5	2.5	22.5	14.5	14.5	31.5	36			
18	1SV19CS021	BHUVANESHWARI	26	27	30	26	14	13	30	2.5	2.5	2.5	2.5	28.5	16.5	15.5	32.5	49			
19	1SV19CS022	BHUVANESHWARI A	21	24	30	21	12	12	30	2.5	2.5	2.5	2.5	23.5	14.5	14.5	32.5	48			
20	1SV19CS023	CHETHAN V	12	24	27	12	12	12	27	2.5	2.5	2.5	2.5	14.5	14.5	14.5	29.5	39			
21	1SV19CS024	DARSHAN K N	2	9	A	0	6	3	0	2.5	2.5	2.5	2.5	2.5	8.5	5.5	2.5	45			
22	1SV19CS025	DEEKSHA K	24	24	30	24	12	12	30	2.5	2.5	2.5	2.5	26.5	14.5	14.5	32.5	46			
23	1SV19CS026	DHANUSH K	5	11	A	0	5	6	0	2.5	2.5	2.5	2.5	2.5	7.5	8.5	2.5	35			
24	1SV19CS027	DISHAN M	23	18	29	23	9	9	29	2.5	2.5	2.5	2.5	25.5	11.5	11.5	31.5	37			
25	1SV19CS028	DULARCHAND KALWAR	7	11	23	7	5	6	23	2.5	2.5	2.5	2.5	9.5	7.5	8.5	25.5	38			
26	1SV19CS029	ESRA BANU	18	20	27	18	10	10	27	2.5	2.5	2.5	2.5	20.5	12.5	12.5	29.5	39			
27	1SV19CS030	GAYITHRIDEVI K M	26	27	30	26	15	12	30	2.5	2.5	2.5	2.5	28.5	17.5	14.5	32.5	38			
28	1SV19CS031	GOUDAR ROHIT RENU	A	18	A	0	9	9	0	2.5	2.5	2.5	2.5	2.5	11.5	11.5	2.5	47			
29	1SV19CS032	H BARKATHULLA	20	24	27	20	12	12	27	2.5	2.5	2.5	2.5	22.5	14.5	14.5	29.5	37			
30	1SV19CS033	HARISHA M R	24	17	27	24	9	8	27	2.5	2.5	2.5	2.5	26.5	11.5	10.5	29.5	47			
31	1SV19CS034	HARSHITHA C	25	30	30	25	15	15	30	2.5	2.5	2.5	2.5	27.5	17.5	17.5	32.5	45			

32	1SV19CS035	HEMANTH K R	24	24	30	24	12	12	30	2.5	2.5	2.5	2.5	26.5	14.5	14.5	32.5	39
33	1SV19CS036	J N SHREYAS	A	24	27	0	12	12	27	2.5	2.5	2.5	2.5	2.5	14.5	14.5	29.5	39
34	1SV19CS037	JYOTI MOHAN MADIWALAR	17	24	27	17	12	12	27	2.5	2.5	2.5	2.5	19.5	14.5	14.5	29.5	36
35	1SV19CS038	KALPANA M N	15	27	27	15	15	12	27	2.5	2.5	2.5	2.5	17.5	17.5	14.5	29.5	39
36	1SV19CS040	LAVANYA T S	21	29	30	21	15	14	30	2.5	2.5	2.5	2.5	23.5	17.5	16.5	32.5	39
37	1SV19CS041	MADHAVA REDDY M	A	7	26	0	4	3	26	2.5	2.5	2.5	2.5	2.5	6.5	5.5	28.5	46
38	1SV19CS042	MAHALAKSHMI H	20	20	27	0	10	10	27	2.5	2.5	2.5	2.5	2.5	12.5	12.5	29.5	44
39	1SV19CS043	MONIKA P	18	24	24	18	12	12	24	2.5	2.5	2.5	2.5	20.5	14.5	14.5	26.5	41
40	1SV19CS044	MONISHA P	24	24	27	24	12	12	27	2.5	2.5	2.5	2.5	26.5	14.5	14.5	29.5	37
41	1SV19CS045	NAGAKRUPA D R	25	24	30	25	12	12	30	2.5	2.5	2.5	2.5	27.5	14.5	14.5	32.5	38
42	1SV19CS046	NANDAN KUMAR M	18	18	24	18	9	9	24	2.5	2.5	2.5	2.5	20.5	11.5	11.5	26.5	35
43	1SV19CS047	NANDINI A	21	24	27	21	12	12	27	2.5	2.5	2.5	2.5	23.5	14.5	14.5	29.5	34
44	1SV19CS048	NAYANA H S	23	27	27	23	15	12	27	2.5	2.5	2.5	2.5	25.5	17.5	14.5	29.5	37
45	1SV19CS050	NIKKI KISHORE	26	29	30	26	14	15	30	2.5	2.5	2.5	2.5	28.5	16.5	17.5	32.5	46
46	1SV19CS051	NOOR JAHAN	10	24	16	0	12	12	16	2.5	2.5	2.5	2.5	2.5	14.5	14.5	18.5	32
47	1SV19CS052	PRAMOD R	A	15	20	0	8	7	20	2.5	2.5	2.5	2.5	2.5	10.5	9.5	22.5	31
48	1SV19CS053	PRIYA R ACHARYA	26	27	30	26	15	12	30	2.5	2.5	2.5	2.5	28.5	17.5	14.5	32.5	32
49	1SV19CS054	RAHUL S	15	24	11	15	12	12	11	2.5	2.5	2.5	2.5	17.5	14.5	14.5	13.5	34
50	1SV19CS055	RAJAN KUMAR PATEL	5	16	27	5	8	8	27	2.5	2.5	2.5	2.5	7.5	10.5	10.5	29.5	47
51	1SV19CS056	RAKSHITH B R	15	A	29	15	0	0	29	2.5	2.5	2.5	2.5	17.5	2.5	2.5	31.5	47
52	1SV19CS057	RAVINDRA H V	23	30	30	23	15	15	30	2.5	2.5	2.5	2.5	25.5	17.5	17.5	32.5	43
53	1SV19CS058	S ANKITHA	25	24	29	25	12	12	29	2.5	2.5	2.5	2.5	27.5	14.5	14.5	31.5	39
54	1SV19CS059	SAHANA B R	A	14	23	0	7	7	23	2.5	2.5	2.5	2.5	2.5	9.5	9.5	25.5	38
55	1SV19CS060	SAHANA SHARANAPPA CHILABADDI	17	24	27	17	12	12	27	2.5	2.5	2.5	2.5	19.5	14.5	14.5	29.5	37
56	1SV19CS061	SAI KISHAN M R	11	24	30	11	12	12	30	2.5	2.5	2.5	2.5	13.5	14.5	14.5	32.5	42
57	1SV19CS062	SANIHA C	14	24	27	14	12	12	27	2.5	2.5	2.5	2.5	16.5	14.5	14.5	29.5	41
58	1SV19CS063	SANTHOSH C	19	24	24	19	12	12	24	2.5	2.5	2.5	2.5	21.5	14.5	14.5	26.5	36
59	1SV19CS064	SATYAM KUMAR CHAUBEY	17	24	27	17	12	12	27	2.5	2.5	2.5	2.5	19.5	14.5	14.5	29.5	33
60	1SV19CS065	SHAFIYA KHANUM	20	24	27	20	12	12	27	2.5	2.5	2.5	2.5	22.5	14.5	14.5	29.5	32

AVG #####

PERCENT 54.7 40.9 39.4 79.5

Signature of Staff

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H.O.D.
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SIET, TUMAKURU-06.



SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

SIRA ROAD, TUMKUR- 572 106.

Department of Computer Science and Engineering

COURSE OUTCOME

- CO1.** Acquire fundamental understanding of the core concepts in automata theory and Theory of Computation
- CO2.** Learn how to translate between different models of Computation (e.g., Deterministic and Non-deterministic and Software models).
- CO3.** Design Grammars and Automata (recognizers) for different language classes and become knowledgeable about restricted models of Computation (Regular, Context Free) and their relative powers.
- CO4.** Develop skills in formal reasoning and reduction of a problem to a formal model, with an emphasis on semantic precision and conciseness.
- CO5.** Classify a problem with respect to different models of Computation

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 modelling 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. KIRAN G M					
BRANCH	CSE	ACADEMIC YEAR			2021-22	
COURSE	B.E	SEMESTER	V	SECTION	A	
SUBJECT	Automata Theory and Computability			SUBJECT CODE	18CS54	

CO-PO-PSO Mapping															
COs	Pos												PSOs		
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3
CO1	3	1	1	-	-	-	-	-	-	-	-	1	-	-	2
CO2	2	-	-	-	-	-	-	-	-	-	-	1	-	-	2
CO3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	2
CO4	1	1	2	-	-	-	-	-	-	-	-	1	-	-	2
CO5	2	2	-	-	-	-	-	-	-	-	-	1	-	-	2
Average	1.8	1.3	1.5	-	-	-	-	-	-	-	-	1.0	-	-	2.0

CO AND PO ATTAINMENT

ATTAINMENT TABLE


COs	AVG	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	68.9	2.06	0.68	0.68									0.68			1.37
CO2	72.0	1.44											0.72			1.44
CO3	71.0	0.71														1.42
CO4	70.6	0.70	0.70	1.41									0.70			1.41
CO5	69.3	1.38	1.38										0.69			1.38
AVERAGE		1.25	0.92	1.04									0.69			1.40

[Signature]
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[Signature]
PRINCIPAL
SIET, TUMAKURU

Roll No.	USN	Name	18CS54eng V / 2021-22 ODD		FACULTY: Mr. KIRAN G M															Final	TOTAL							
			SUB: ATC			T1	T2	T3	ASSIGNMENT 105					SEE														
			T1	T2	T3	CO1-	CO2-	CO3-	CO4-	CO5-	CO1-2	CO2-2	CO3-2	CO4-2	CO5-2	SEE/6	CO1-	CO2-	CO3-			CO4-	CO5-	CO1-	CO2-	CO3-	CO4-	CO5-
1	1SV19CS001	AFREEN AFSHAN	28	29	29	28	15	14	14	15	2	2	2	2	2	38	7.6	7.6	7.6	7.6	7.6	37.6	24.6	23.6	23.6	24.6	26.8	
2	1SV19CS003	AKASH KUMAR SINGH	28	28	26	28	14	14	13	13	2	2	2	2	2	37	7.4	7.4	7.4	7.4	7.4	37.4	23.4	23.4	22.4	22.4	25.8	
3	1SV19CS004	AKHIL N	26	27	24	0	15	12	12	12	2	2	2	2	2	0	0	0	0	0	0	2	17	14	14	14	12.2	
4	1SV19CS005	AKSHATHA M	28	28	28	28	14	14	14	14	2	2	2	2	2	21	4.2	4.2	4.2	4.2	4.2	34.2	20.2	20.2	20.2	20.2	23	
5	1SV19CS006	AMRIT OYAWALI	29	28	27	29	14	14	14	13	2	2	2	2	2	29	5.8	5.8	5.8	5.8	5.8	36.8	21.8	21.8	21.8	20.8	24.6	
6	1SV19CS007	ANKITHA K	29	29	29	29	15	14	15	14	2	2	2	2	2	28	5.6	5.6	5.6	5.6	5.6	36.6	22.6	21.6	22.6	21.6	25	
7	1SV19CS008	ANUSHA B	30	29	28	30	15	14	14	14	2	2	2	2	2	34	6.8	6.8	6.8	6.8	6.8	38.8	23.8	22.8	22.8	22.8	26.2	
8	1SV19CS009	ARBIN TAJ	28	28	24	28	14	14	12	12	2	2	2	2	2	3	0.6	0.6	0.6	0.6	0.6	30.6	16.6	16.6	14.6	14.6	18.6	
9	1SV19CS011	ASIRITH P	28	28	28	28	14	14	14	14	2	2	2	2	2	21	4.2	4.2	4.2	4.2	4.2	34.2	20.2	20.2	20.2	20.2	23	
10	1SV19CS013	AYESHA SALEEM	28	29	28	28	15	14	14	14	2	2	2	2	2	26	5.2	5.2	5.2	5.2	5.2	35.2	22.2	21.2	21.2	21.2	24.2	
11	1SV19CS014	BRAGYASHREE	14	29	AB	14	15	14	0	0	2	2	2	2	2	4	0.8	0.8	0.8	0.8	0.8	16.8	17.8	16.8	2.8	2.8	11.4	
12	1SV19CS015	BRAGYASHREE G	27	29	29	27	15	14	15	14	2	2	2	2	2	28	5.6	5.6	5.6	5.6	5.6	34.6	22.6	21.6	22.6	21.6	24.6	
13	1SV19CS016	BHARATHI H	24	28	26	24	14	14	13	13	2	2	2	2	2	21	4.2	4.2	4.2	4.2	4.2	30.2	20.2	20.2	19.2	19.2	21.8	
14	1SV19CS017	BHARGAV N	26	28	24	0	14	14	12	12	2	2	2	2	2	0	0	0	0	0	0	2	16	16	14	14	12.4	
15	1SV19CS018	BHAVANA C	29	29	29	29	15	14	15	14	2	2	2	2	2	27	5.4	5.4	5.4	5.4	5.4	36.4	22.4	21.4	22.4	21.4	24.8	
16	1SV19CS019	BHDIJANA AJAY	15	26	26	15	13	13	14	12	2	2	2	2	2	11	2.2	2.2	2.2	2.2	2.2	19.2	17.2	17.2	18.2	16.2	17.6	
17	1SV19CS020	BHDOMKA J N	30	29	29	30	15	14	15	14	2	2	2	2	2	35	7	7	7	7	7	39	24	23	24	23	26.6	
18	1SV19CS021	BHUVANESHWARI	30	29	30	30	14	15	15	15	2	2	2	2	2	37	7.4	7.4	7.4	7.4	7.4	39.4	23.4	24.4	24.4	24.4	27.2	
19	1SV19CS022	BHUVANESHWARI A	29	28	29	29	14	14	15	14	2	2	2	2	2	24	4.8	4.8	4.8	4.8	4.8	35.8	20.8	20.8	21.8	20.8	24	
20	1SV19CS023	CHETHAN V	26	28	29	26	14	14	15	14	2	2	2	2	2	21	4.2	4.2	4.2	4.2	4.2	32.2	20.2	20.2	21.2	20.2	22.8	
21	1SV19CS024	DARSHAN K N	0	AB	AB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	1SV19CS025	DEEKSHA K	30	29	29	30	15	14	15	14	2	2	2	2	2	36	7.2	7.2	7.2	7.2	7.2	39.2	24.2	23.2	24.2	23.2	26.8	
23	1SV19CS026	DHANUSH K	AB	AB	AB	0	0	0	0	0	0	0	0	0	0	5	1	1	1	1	1	1	1	1	1	1	1	1
24	1SV19CS027	DISHAN M	28	28	28	28	14	14	14	14	2	2	2	2	2	48	9.6	9.6	9.6	9.6	9.6	39.6	25.6	25.6	25.6	25.6	28.4	
25	1SV19CS028	DULARCHAND KALWAR	14	29	28	14	15	14	14	14	2	2	2	2	2	30	6	6	6	6	6	22	23	22	22	22	22.2	
26	1SV19CS029	ESRA BANU	24	28	29	24	14	14	15	14	2	2	2	2	2	24	4.8	4.8	4.8	4.8	4.8	30.8	20.8	20.8	21.8	20.8	23	
27	1SV19CS030	GAYITHRIDEVI K M	30	29	30	30	15	14	15	15	2	2	2	2	2	35	7	7	7	7	7	39	24	23	24	24	26.8	
28	1SV19CS031	GOUDAR ROHIT RENU	28	28	24	28	14	14	12	12	2	2	2	2	2	4	0.8	0.8	0.8	0.8	0.8	30.8	16.8	16.8	14.8	14.8	18.8	
29	1SV19CS032	H BARKATHULLA	27	28	28	27	14	14	14	14	2	2	2	2	2	21	4.2	4.2	4.2	4.2	4.2	33.2	20.2	20.2	20.2	20.2	22.8	
30	1SV19CS033	HARISHA M R	26	26	28	26	13	13	14	14	2	2	2	2	2	35	7	7	7	7	7	35	22	22	23	23	25	
31	1SV19CS034	HARSHITHA C	30	29	30	30	15	14	15	15	2	2	2	2	2	39	7.8	7.8	7.8	7.8	7.8	39.8	24.8	23.8	24.8	24.8	27.6	
32	1SV19CS035	HEMANTH K R	27	28	26	27	14	14	13	13	2	2	2	2	2	43	8.6	8.6	8.6	8.6	8.6	37.6	24.6	24.6	23.6	23.6	26.8	
33	1SV19CS036	J N SHREYAS	26	28	24	26	14	14	12	12	2	2	2	2	2	2	0.4	0.4	0.4	0.4	0.4	28.4	16.4	16.4	14.4	14.4	18	
34	1SV19CS037	JYOTI MOHAN MADIWALAR	28	29	29	28	15	14	15	14	2	2	2	2	2	22	4.4	4.4	4.4	4.4	4.4	34.4	21.4	20.4	21.4	20.4	23.6	
35	1SV19CS038	KALPANA M N	29	28	29	29	14	14	15	14	2	2	2	2	2	21	4.2	4.2	4.2	4.2	4.2	35.2	20.2	20.2	21.2	20.2	23.4	
36	1SV19CS040	LAVANYA T S	28	29	30	28	15	14	15	15	2	2	2	2	2	37	7.4	7.4	7.4	7.4	7.4	37.4	24.4	23.4	24.4	24.4	26.8	
37	1SV19CS041	MADHAV REDDY M	26	28	28	26	14	14	14	14	2	2	2	2	2	33	6.6	6.6	6.6	6.6	6.6	34.6	22.6	22.6	22.6	22.6	25	
38	1SV19CS042	MAHALAKSHMI H	28	28	28	0	14	14	14	14	2	2	2	2	2	22	4.4	4.4	4.4	4.4	4.4	34.4	20.4	20.4	20.4	20.4	17.6	


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15

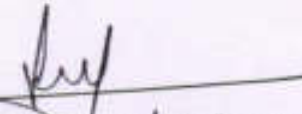
39	1SV19CS043	MONIKA P	30	29	29	30	14	15	15	14	2	2	2	2	2	24	4.8	4.8	4.8	4.8	4.8	36.8	20.8	21.8	21.8	20.8	24.4																										
40	1SV19CS044	MONISHA P	29	29	29	29	14	15	15	14	2	2	2	2	2	27	5.4	5.4	5.4	5.4	5.4	36.4	21.4	22.4	22.4	21.4	24.8																										
41	1SV19CS045	NAGAKRUPA D R	29	29	29	29	14	15	15	14	2	2	2	2	2	37	7.4	7.4	7.4	7.4	7.4	38.4	23.4	24.4	24.4	23.4	26.8																										
42	1SV19CS046	NANDAN KUMAR M	30	29	27	30	14	15	15	12	2	2	2	2	2	33	6.6	6.6	6.6	6.6	6.6	38.6	22.6	23.6	23.6	20.6	25.8																										
43	1SV19CS047	NANDINI A	29	28	29	29	14	14	15	14	2	2	2	2	2	46	9.2	9.2	9.2	9.2	9.2	40.2	25.2	25.2	26.2	25.2	28.4																										
44	1SV19CS048	NAYANA H S	26	28	28	26	14	14	14	14	2	2	2	2	2	15	3	3	3	3	3	31	19	19	19	19	21.4																										
45	1SV19CS050	NIKKI KISHORE	30	29	29	30	15	14	15	14	2	2	2	2	2	32	6.4	6.4	6.4	6.4	6.4	38.4	23.4	22.4	23.4	22.4	26																										
46	1SV19CS051	NOOR JAHAN	21	28	28	0	14	14	14	14	2	2	2	2	2	14	2.8	2.8	2.8	2.8	2.8	4.8	18.8	18.8	18.8	18.8	16																										
47	1SV19CS052	PRAMOD R	28	29	29	28	14	15	15	14	2	2	2	2	2	38	7.6	7.6	7.6	7.6	7.6	39.6	23.6	24.6	24.6	24.6	27.4																										
48	1SV19CS053	PRIYA R ACHARYA	30	29	30	30	14	15	15	15	2	2	2	2	2	15	3	3	3	3	3	31	20	18	18	20	21.4																										
49	1SV19CS054	RAHUL S	26	28	28	26	15	13	13	15	2	2	2	2	2	31	4.2	4.2	4.2	4.2	4.2	18.2	19.2	19.2	19.2	19.2	19																										
50	1SV19CS055	RAJAN KUMAR PATEL	12	26	26	12	15	13	13	13	2	2	2	2	2	33	6.6	6.6	6.6	6.6	6.6	35.6	22.6	22.6	22.6	22.6	25.2																										
51	1SV19CS056	RAKSHITH B R	27	28	28	27	14	14	14	14	2	2	2	2	2	41	8.2	8.2	8.2	8.2	8.2	39.2	25.2	24.2	25.2	25.2	27.8																										
52	1SV19CS057	RAVINDRA H V	29	29	30	29	15	14	15	15	2	2	2	2	2	41	8.2	8.2	8.2	8.2	8.2	35.2	24.2	25.2	25.2	22.2	26.4																										
53	1SV19CS058	S ANKITHA	25	29	27	25	14	15	15	12	2	2	2	2	2	11	2.2	2.2	2.2	2.2	2.2	4.2	19.2	18.2	18.2	17.2	15.4																										
54	1SV19CS059	SAHANA B R	26	29	27	0	15	14	14	13	2	2	2	2	2	11	2.2	2.2	2.2	2.2	2.2	4.2	19.2	18.2	18.2	17.2	15.4																										
55	1SV19CS060	SAHANA SHARANAPPA	28	29	28	28	15	14	14	14	2	2	2	2	2	21	4.2	4.2	4.2	4.2	4.2	34.2	21.2	20.2	20.2	20.2	23.2																										
56	1SV19CS061	SAI KISHAN M R	7	29	28	7	15	14	14	14	2	2	2	2	2	26	5.2	5.2	5.2	5.2	5.2	14.2	22.2	21.2	21.2	21.2	20																										
57	1SV19CS062	SANDBA C	26	28	28	26	14	14	14	14	2	2	2	2	2	18	3.6	3.6	3.6	3.6	3.6	31.6	19.6	19.6	19.6	19.6	22																										
58	1SV19CS063	SANTHOSH C	24	28	28	24	14	14	14	14	2	2	2	2	2	30	6	6	6	6	6	32	22	22	22	22	24																										
59	1SV19CS064	SATYAM KUMAR CHAUBEY	25	28	26	25	14	14	13	13	2	2	2	2	2	42	8.4	8.4	8.4	8.4	8.4	35.4	24.4	24.4	23.4	23.4	26.2																										
60	1SV19CS065	SHAFIYA KHANUM	27	29	29	27	15	14	15	14	2	2	2	2	2	38	7.6	7.6	7.6	7.6	7.6																																
																						30.337	20.887	20.603	20.487	20.087																											
																						68.9	72.0	71.0	70.6	69.3																											

4

COLLEGE	SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY															
FACULTY NAME	PROF. SHANMUKASWAMY C V															
BRANCH	CS	ACADEMIC YEAR										2021-22				
PROGRAM	B.E	SEMESTER	V	SECTION											A [CSE]	
COURSE NAME	APPLICATIONS DEVELOPMENT USING PYTHON							COURSE CODE				18CS55				
CO & PO MAPPING																
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	
CO1	3	3			2											
CO2	3	3			2											
CO3	3	3	3		2								2			
CO4	3	3	3		2								2			
CO5	3	3	3		2								2			
AVERAGE	3.0	3.0	3.0		2.0								3.0			
OVERALL MAPPING OF COURSE															2.32	

CO AND PO ATTAINMENT

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	60	1.8	1.8			1.2										
CO2	60	1.8	1.8			1.2										
CO3	68	2.0	2.0	2.0		1.4								1.4		
CO4	62	1.9	1.9	1.9		1.2								1.2		
CO5	61	1.8	1.8	1.8		1.2								1.2		
AVERAGE		1.86	1.86	1.9		1.24								1.3		
FINAL ATTAINMENT LEVEL																1.63


 Prof. Shanmukaswamy C V
 STAFF INCHARGE


 HOD,
 COMPUTER SCIENCE & ENGINEERING
 SIET, TUMAKURU


 PRINCIPAL
 SIET, TUMAKURU

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
COsPOs ATTAINMENT
ACADEMIC YEAR -2021-22[ODD SEM]

CLASS:5th SEM "A" CSE

Course Name :Application Development using Python[18CS55]

Roll No.	USN	Name	T1		T2	T3		ASSIGNMENT 10'S					SEE [60]	SEE [60]					Final CO's					Attainment [Stud]
			CO1 15	CO2 15	CO3 30	CO4 15	CO5 15	CO1 2	CO2 2	CO3 2	CO4 2	CO5 2		CO1 12	CO2 12	CO3 12	CO4 12	CO5 12	CO1 29	CO2 29	CO3 44	CO4 29	CO5 29	
1	1SV19CS001	AFREEN APSHAN	13	13	27	9	9	2	2	2	2	2	29	6	6	6	6	5	21	21	35	17	16	69
2	1SV19CS003	AKASH KUMAR SINGH	15	14	23	7	7	2	2	2	2	2	32	6	6	6	7	7	23	22	31	16	16	68
3	1SV19CS004	AKHIL N	0	0	4	7	7	2	2	2	2	2	30	6	6	6	6	6	8	8	12	15	15	36
4	1SV19CS005	AKSHATHA M	13	13	18	12	11	2	2	2	2	2	32	7	7	6	6	6	22	22	26	20	19	68
5	1SV19CS006	AMRIT GYAWALI	13	13	18	13	13	2	2	2	2	2	25	5	5	5	5	5	20	20	25	20	20	66
6	1SV19CS007	ANKITHA K	13	12	19	11	10	2	2	2	2	2	33	6	6	7	7	7	21	20	28	20	19	68
7	1SV19CS008	ANUSHA B	11	12	21	13	13	2	2	2	2	2	47	9	9	9	10	10	22	23	32	25	25	79
8	1SV19CS009	ARBIN TAJ	7	7	11	1	1	2	2	2	2	2	5	1	1	1	1	1	10	10	14	4	4	26
9	1SV19CS011	ASHRITH P	9	9	10	8	7	2	2	2	2	2	22	4	4	4	5	5	15	15	16	15	14	47
10	1SV19CS013	AYESHA SALEEM	10	9	23	10	10	2	2	2	2	2	7	1	2	2	1	1	13	13	27	13	13	49
11	1SV19CS014	BHAGYASHREE	5	5	5	0	0	2	2	2	2	2	1	1	0	0	0	0	8	7	7	2	2	16
12	1SV19CS015	BHAGYASHREE G	13	14	23	13	13	2	2	2	2	2	36	7	7	7	8	7	22	23	32	23	22	76
13	1SV19CS016	BHARATHI H	9	9	23	11	11	2	2	2	2	2	25	5	5	5	5	5	16	16	30	18	18	61
14	1SV19CS017	BHARGAV N	10	10	21	0	0	2	2	2	2	2	14	3	3	3	3	2	15	15	26	5	4	41
15	1SV19CS018	BHAVANA C	13	13	26	14	14	2	2	2	2	2	21	4	4	4	5	4	19	19	32	21	20	69
16	1SV19CS019	BHOJANNA AJAY	4	4	4	3	3	2	2	2	2	2	17	4	4	3	3	3	10	10	9	8	8	28
17	1SV19CS020	BHOOMIKA J N	12	12	21	9	8	2	2	2	2	2	21	4	4	5	4	4	18	18	28	15	14	58
18	1SV19CS021	BHUVANESHWARI	14	15	30	15	15	2	2	2	2	2	33	6	6	7	7	7	22	23	39	24	24	83
19	1SV19CS022	BHUVANESHWARI A	12	11	23	10	10	2	2	2	2	2	22	5	5	4	4	4	19	18	29	16	16	61
20	1SV19CS023	CHETHAN V	14	15	29	6	7	2	2	2	2	2	22	4	4	4	5	5	20	21	35	13	14	64
21	1SV19CS024	DARSHAN K N	6	7	13	0	0	2	2	2	2	2	0	0	0	0	0	0	8	9	15	2	2	23
22	1SV19CS025	DEEKSHA K	14	15	29	15	15	2	2	2	2	2	33	6	7	7	7	6	22	24	38	24	23	82
23	1SV19CS026	DHANUSH K	0	0	AB	0	0	2	2	2	2	2	0	0	0	0	0	0	2	2	2	2	2	6
24	1SV19CS027	DISHAN M	13	13	26	15	15	2	2	2	2	2	12	3	3	2	2	2	18	18	30	19	19	65
25	1SV19CS028	DULARCHAND KALWAR	9	9	17	4	4	2	2	2	2	2	36	7	7	7	7	8	18	18	26	13	14	56
26	1SV19CS029	ESRA BANU	7	7	24	10	10	2	2	2	2	2	21	4	4	5	4	4	13	13	31	16	16	56
27	1SV19CS030	GAYITHRIDEVI K M	10	10	30	15	15	2	2	2	2	2	32	7	7	6	6	6	19	19	38	23	23	76
28	1SV19CS031	GOUDAR ROHIT RENU	10	10	11	9	8	2	2	2	2	2	9	1	2	2	2	2	13	14	15	13	12	42

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29	1SV19CS032	H BARKATHULLA	9	8	29	8	9	2	2	2	2	2	11	3	2	2	2	2	14	12	33	12	13	53															
30	1SV19CS033	HARISHA M R	7	8	23	14	14	2	2	2	2	2	23	4	4	5	5	5	13	14	30	21	21	62															
31	1SV19CS034	HARSHITHA C	15	15	30	15	15	2	2	2	2	2	36	7	7	7	8	7	24	24	39	25	24	85															
32	1SV19CS035	HEMANTH K R	10	10	28	15	15	2	2	2	2	2	36	7	7	8	7	7	19	19	38	24	24	78															
33	1SV19CS036	J N SHREYAS	0	0	14	6	6	2	2	2	2	2	6	2	1	1	1	1	4	3	17	9	9	26															
34	1SV19CS037	JYOTTI MOHAN MADIWALAR	9	8	24	15	15	2	2	2	2	2	35	7	7	7	7	7	18	17	33	24	24	73															
35	1SV19CS038	KALPANA M N	11	12	29	12	12	2	2	2	2	2	21	4	4	4	4	5	17	18	35	18	19	67															
36	1SV19CS040	LAVANYA T S	12	11	28	14	14	2	2	2	2	2	37	7	7	7	8	8	21	20	37	24	24	79															
37	1SV19CS041	MADHAVA REDDY M	0	0	12	7	7	2	2	2	2	2	33	6	6	7	7	7	8	8	21	16	16	43															
38	1SV19CS042	MAHALAKSHMI H	12	11	27	10	10	2	2	2	2	2	27	5	5	5	6	6	19	18	34	18	18	67															
39	1SV19CS043	MONIKA P	10	9	20	10	10	2	2	2	2	2	38	7	7	8	8	8	19	18	30	20	20	67															
40	1SV19CS044	MONISHA P	14	13	30	13	14	2	2	2	2	2	33	6	6	7	7	7	22	21	39	22	23	79															
41	1SV19CS045	NAGAKRUPA D R	13	13	24	12	12	2	2	2	2	2	38	8	8	8	7	7	23	23	34	21	21	76															
42	1SV19CS046	NANDAN KUMAR M	13	13	18	9	9	2	2	2	2	2	35	7	7	7	7	7	22	22	27	18	18	67															
43	1SV19CS047	NANDINI A	15	14	30	12	12	2	2	2	2	2	32	7	7	6	6	6	24	23	38	20	20	78															
44	1SV19CS048	NAYANA H S	13	13	26	15	14	2	2	2	2	2	40	8	8	8	8	8	23	23	36	25	24	82															
45	1SV19CS050	NIKKI KISHORE	15	15	30	15	15	2	2	2	2	2	35	7	7	7	7	7	24	24	39	24	24	84															
46	1SV19CS051	NOOR JAHAN	11	12	26	13	13	2	2	2	2	2	29	6	6	6	6	5	19	20	34	21	20	71															
47	1SV19CS052	PRAMOD R	10	9	20	13	13	2	2	2	2	2	42	8	8	8	9	9	20	19	30	24	24	73															
48	1SV19CS053	PRIYA R ACHARYA	15	15	30	15	14	2	2	2	2	2	33	7	7	7	6	6	24	24	39	23	22	83															
49	1SV19CS054	RAHUL S	2	3	17	7	7	2	2	2	2	2	43	8	8	9	9	9	12	13	28	18	18	56															
50	1SV19CS055	RAJAN KUMAR PATEL	6	7	20	10	10	2	2	2	2	2	21	4	4	5	4	4	12	13	27	16	16	53															
51	1SV19CS056	RAKSHITH B R	14	14	29	15	14	2	2	2	2	2	33	6	6	7	7	7	22	22	38	24	23	81															
52	1SV19CS057	RAVINDRA H V	15	15	30	15	14	2	2	2	2	2	29	6	6	6	6	5	23	23	38	23	21	80															
53	1SV19CS058	S ANKITHA	12	11	29	14	15	2	2	2	2	2	33	7	7	7	6	6	21	20	38	22	23	78															
54	1SV19CS059	SAHANA B R	0	0	25	9	8	2	2	2	2	2	21	5	4	4	4	4	7	6	31	15	14	46															
55	1SV19CS060	SAHANA SHARANAPPA GULARADDI	11	11	24	13	14	2	2	2	2	2	14	3	3	3	3	2	16	16	29	18	18	61															
56	1SV19CS061	SAI KISHAN M R	4	4	26	14	13	2	2	2	2	2	39	7	8	8	8	8	13	14	36	24	23	69															
57	1SV19CS062	SANHA C	11	12	28	10	10	2	2	2	2	2	6	2	1	1	1	1	15	15	31	13	13	54															
58	1SV19CS063	SANTHOSH C	13	14	25	15	14	2	2	2	2	2	38	8	8	8	7	7	23	24	35	24	23	81															
59	1SV19CS064	SATYAM KUMAR CHAUBEY	10	11	29	14	15	2	2	2	2	2	47	9	9	10	10	9	21	22	41	26	26	85															
60	1SV19CS065	SHAFIYA KHANUM	15	15	30	10	11	2	2	2	2	2	32	6	6	7	7	6	23	23	39	19	19	77															
																				17	17	30	18	18															
																				60	60	68	62	61															

Attainment

Prof. Phani Kumar Swamy

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Department of Computer Science and Engineering

COURSE OUTCOME

- CO1.** Explain Unix Architecture, File system and use of Basic Commands
- CO2.** Illustrate Shell Programming and to write Shell Scripts
- CO3.** Categorize, compare and make use of Unix System Calls
- CO4.** Build an application/service over a Unix system.

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 modelling 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: 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. BASAVESHA D					
BRANCH	CSE	ACADEMIC YEAR			2021-22	
COURSE	B.E	SEMESTER	V	SECTION	A	
SUBJECT	Unix Programming			SUBJECT CODE	18CS56	

CO-PO-PSO Mapping															
COs	Pos												PSOs		
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3
CO1	2												2		
CO2		3											2		
CO3		2											2		
CO4	2												2		
Average	2	2.5											2		

CO AND PO ATTAINMENT

ATTAINMENT TABLE																
COs	AVG	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	60.3	1.20												1.20		
CO2	59.8		1.79											1.19		
CO3	53.9		1.07											1.07		
CO4	67.7	1.35												1.35		
AVERAGE		1.27	1.43											1.20		

18CS56

2021-22 SEM 'A' OPD.

SEM 'A'

BASAVESHA D

Roll No.	USN	Name	T1				T2				T3				ASSIGNMENT 10/4				SEE				Final				TOTAL AVG
			T1	T2	T3	CO1-30	CO2-15	CO3-15	CO4-30	CO1-2	CO2-2	CO3-2	CO4-4	SEE	CO1-15	CO2-15	CO3-15	CO4-15	CO1-47	CO2-32	CO3-32	CO4-49					
1	ISV19CS001	AFREEN AFSHAN	19	17	19	19	10	7	19	2	2	2	4	50	12.5	12.5	12.5	12.5	33.5	24.5	21.5	35.5	28.75				
2	ISV19CS003	AKASH KUMAR SINGH	20	20	20	20	10	10	20	2	2	2	4	30	7.5	7.5	7.5	7.5	29.5	19.5	19.5	31.5	25				
3	ISV19CS004	AKHIL N	0	0	0	0	0	0	0	0	0	0	0	34	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5				
4	ISV19CS005	AKSHATHA M	21	11	26	21	5	6	26	2	2	2	4	36	9	9	9	9	32	16	17	39	26				
5	ISV19CS006	AMRIT GYAWALI	25	17	27	25	10	7	27	2	2	2	4	44	11	11	11	11	38	23	20	42	30.75				
6	ISV19CS007	ANKITHA K	24	14	25	24	10	4	25	2	2	2	4	33	8.25	8.25	8.25	8.25	34.3	20.3	14.3	37.3	26.5				
7	ISV19CS008	ANUSHA B	24	25	28	24	15	10	28	2	2	2	4	44	11	11	11	11	37	28	23	43	32.75				
8	ISV19CS009	ARBIN TAJ	8	11	19	8	5	6	19	2	2	2	4	11	2.75	2.75	2.75	2.75	12.8	9.75	10.8	25.8	14.75				
9	ISV19CS011	ASHRITH P	15	22	25	15	10	12	25	2	2	2	4	29	7.25	7.25	7.25	7.25	24.3	19.3	21.3	36.3	25.25				
10	ISV19CS013	AYESHA SALEEM	23	26	17	23	11	15	17	2	2	2	4	39	9.75	9.75	9.75	9.75	34.8	22.8	26.8	30.8	28.75				
11	ISV19CS014	BHAGYASHREE	13	0	0	13	0	0	0	0	0	0	0	1	0.25	0.25	0.25	0.25	13.3	0.25	0.25	0.25	3.5				
12	ISV19CS015	BHAGYASHREE G	24	15	17	24	10	5	17	2	2	2	4	31	7.75	7.75	7.75	7.75	33.8	19.8	14.8	28.8	24.25				
13	ISV19CS016	BHARATHI H	24	13	17	24	10	3	17	2	2	2	4	25	6.25	6.25	6.25	6.25	32.3	18.3	11.3	27.3	22.25				
14	ISV19CS017	BHARGAV N	0	12	0	0	10	2	0	0	0	0	0	21	5.25	5.25	5.25	5.25	5.25	15.3	7.25	5.25	8.25				
15	ISV19CS018	BHAVANA C	25	12	22	25	10	2	22	2	2	2	4	33	8.25	8.25	8.25	8.25	35.3	20.3	12.3	34.3	25.5				
16	ISV19CS019	BHOJANNA AJAY	17	3	18	17	1	2	18	2	2	2	4	17	4.25	4.25	4.25	4.25	23.3	7.25	8.25	26.3	16.25				
17	ISV19CS020	BHOOMIKA J N	14	16	24	14	10	6	24	2	2	2	4	41	10.25	10.25	10.25	10.25	26.3	22.3	18.3	38.3	26.25				
18	ISV19CS021	BHUVANESHWARI	26	24	20	26	14	10	20	2	2	2	4	47	11.75	11.75	11.75	11.75	39.8	27.8	23.8	35.8	31.75				
19	ISV19CS022	BHUVANESHWARI A	27	20	28	27	10	10	28	2	2	2	4	30	7.5	7.5	7.5	7.5	36.5	19.5	19.5	39.5	28.75				
20	ISV19CS023	CHEZHAN V	26	15	29	26	10	5	29	2	2	2	4	34	8.5	8.5	8.5	8.5	36.5	20.5	15.5	41.5	28.5				
21	ISV19CS024	DARSHAN K N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
22	ISV19CS025	DEEKSHA K	23	19	28	23	10	9	28	2	2	2	4	38	9.5	9.5	9.5	9.5	34.5	21.5	20.5	41.5	29.5				
23	ISV19CS026	DHANUSH K	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
24	ISV19CS027	DISHAN M	23	24	28	23	14	10	28	2	2	2	4	29	7.25	7.25	7.25	7.25	32.3	23.3	19.3	39.3	28.5				
25	ISV19CS028	DULARCHAND	17	4	20	17	2	2	20	2	2	2	4	35	8.75	8.75	8.75	8.75	27.8	12.8	12.8	32.8	21.5				
26	ISV19CS029	ESRA BANU	17	8	26	17	4	4	26	2	2	2	4	41	10.25	10.25	10.25	10.25	29.3	16.3	16.3	40.3	25.5				
27	ISV19CS030	GAYITHRIDEVI K M	21	15	26	21	10	5	26	2	2	2	4	45	11.25	11.25	11.25	11.25	34.3	23.3	18.3	41.3	29.25				
28	ISV19CS031	GOUDAR ROHIT RENU	0	19	29	0	10	9	29	2	2	2	4	22	5.5	5.5	5.5	5.5	7.5	17.5	16.5	38.5	20				
29	ISV19CS032	H BARKATHULLA	25	23	28	25	11	12	28	2	2	2	4	50	12.5	12.5	12.5	12.5	39.5	25.5	26.5	44.5	34				
30	ISV19CS033	HARISHA M R	21	15	29	21	10	5	29	2	2	2	4	44	11	11	11	11	34	23	18	44	29.75				
31	ISV19CS034	HARSHITHA C	27	26	30	27	11	15	30	2	2	2	4	44	11	11	11	11	40	24	28	45	34.25				
32	ISV19CS035	HEMANTH K R	22	14	20	22	10	4	20	2	2	2	4	45	11.25	11.25	11.25	11.25	35.3	23.3	17.3	35.3	27.75				
33	ISV19CS036	J N SHREYAS	0	0	0	0	0	0	0	2	2	2	4	5	1.25	1.25	1.25	1.25	3.25	3.25	3.25	5.25	3.75				
34	ISV19CS037	JYOTI MOHAN	23	14	25	23	10	4	25	2	2	2	4	47	11.75	11.75	11.75	11.75	36.8	23.8	17.8	40.8	29.75				

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35	ISV19CS038	KALPANA M N	23	2	24	23	1	24	2	2	2	4	36	9	9	9	9	34	12	12	37	23.75						
36	ISV19CS040	LAVANYA T S	23	21	27	23	11	10	27	2	2	2	4	36	9	9	9	9	34	22	21	40	29.25					
37	ISV19CS041	MADHAVA REDDY M	0	13	28	0	10	3	28	2	2	2	4	40	10	10	10	10	12	22	15	42	22.75					
38	ISV19CS042	MAHALAKSHMI H	23	23	22	23	13	10	22	2	2	2	4	23	5.75	5.75	5.75	5.75	30.8	20.8	17.8	31.8	25.25					
39	ISV19CS043	MONIKA P	8	18	21	8	10	8	21	2	2	2	4	43	10.75	10.75	10.75	10.75	20.8	22.8	20.8	35.8	25					
40	ISV19CS044	MONISHA P	22	14	27	22	10	4	27	2	2	2	4	39	9.75	9.75	9.75	9.75	33.8	21.8	15.8	40.8	28					
41	ISV19CS045	NAGAKRUPA D R	23	7	20	23	5	2	20	2	2	2	4	37	9.25	9.25	9.25	9.25	34.3	16.3	13.3	33.3	24.25					
42	ISV19CS046	NANDAN KUMAR M	22	19	23	22	10	9	23	2	2	2	4	39	9.75	9.75	9.75	9.75	33.8	21.8	20.8	36.8	28.25					
43	ISV19CS047	NANDINI A	22	17	18	22	10	7	18	2	2	2	4	41	10.25	10.25	10.25	10.25	34.3	22.3	19.3	32.3	27					
44	ISV19CS048	NAYANA H S	24	18	29	24	10	8	29	2	2	2	4	46	11.5	11.5	11.5	11.5	37.5	23.5	21.5	44.5	31.75					
45	ISV19CS050	NIKKI KISHORE	28	26	29	28	15	11	29	2	2	2	4	47	11.75	11.75	11.75	11.75	41.8	28.8	24.8	44.8	35					
46	ISV19CS051	NOOR JAHAN	20	19	16	20	10	9	16	2	2	2	4	39	9.75	9.75	9.75	9.75	31.8	21.8	20.8	29.8	26					
47	ISV19CS052	PRAMOD R	20	11	15	20	5	6	15	2	2	2	4	23	5.75	5.75	5.75	5.75	27.8	12.8	13.8	24.8	19.75					
48	ISV19CS053	PRIYA R ACHARYA	27	25	29	27	15	10	29	2	2	2	4	38	9.5	9.5	9.5	9.5	38.5	26.5	21.5	42.5	32.25					
49	ISV19CS054	RAHUL S	8	17	17	8	10	7	17	2	2	2	4	44	11	11	11	11	21	23	20	32	24					
50	ISV19CS055	RAJAN KUMAR PATEL	9	9	21	9	5	4	21	2	2	2	4	32	8	8	8	8	19	15	14	33	20.25					
51	ISV19CS056	RAKSHITH B R	26	23	15	26	15	8	15	2	2	2	4	27	6.75	6.75	6.75	6.75	34.8	23.8	16.8	25.8	25.25					
52	ISV19CS057	RAVINDRA H V	26	24	29	26	10	14	29	2	2	2	4	46	11.5	11.5	11.5	11.5	39.5	23.5	27.5	44.5	33.75					
53	ISV19CS058	S ANKITHA	25	27	26	25	12	15	26	2	2	2	4	38	9.5	9.5	9.5	9.5	36.5	23.5	26.5	39.5	31.5					
54	ISV19CS059	SAHANA B R	0	20	22	0	10	10	22	2	2	2	4	38	9.5	9.5	9.5	9.5	11.5	21.5	21.5	35.5	22.5					
55	ISV19CS060	SAHANA SHARANAPPA	15	19	20	15	10	9	20	2	2	2	4	28	7	7	7	7	24	19	18	31	23					
56	ISV19CS061	SAI KISHAN M R	9	15	23	9	10	5	23	2	2	2	4	38	9.5	9.5	9.5	9.5	20.5	21.5	16.5	36.5	23.75					
57	ISV19CS062	SANIHA C	18	20	20	18	10	10	20	2	2	2	4	23	5.75	5.75	5.75	5.75	25.8	17.8	17.8	29.8	22.75					
58	ISV19CS063	SANTHOSH C	25	20	23	25	10	10	23	2	2	2	4	37	9.25	9.25	9.25	9.25	36.3	21.3	21.3	36.3	28.75					
59	ISV19CS064	SATYAM KUMAR CHAUBEY	20	23	25	20	10	13	25	2	2	2	4	38	9.5	9.5	9.5	9.5	31.5	21.5	24.5	38.5	29					
60	ISV19CS065	SHAFIYA KHANUM	23	22	22	23	10	12	22	2	2	2	4	41	10.25	10.25	10.25	10.25	35.3	22.3	24.3	36.3	29.5					
																		28.4	19.1	17.2	33.2							
																		60.3	59.8	53.9	67.7							



Department of Computer Science and Engineering

2021-2022

COURSE OUTCOMES

Subject: Management and Entrepreneurship for IT Industry
Subject Code: 18CS51

- CO1. Define management, organization, entrepreneur, planning, staffing, ERP and outline their importance in entrepreneurship
- CO2. Utilize the resources available effectively through ERP.
- CO3. Make use of IPRs and institutional support in entrepreneurship

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 modelling 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.
- PO.9 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: recognition of the need for, and an ability to engage in, to resolve Contemporary issues and acquire lifelong learning.



Sri Shridevi Charitable Trust (R.)
SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

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(Approved by AICTE, New Delhi, Recognised by Govt. of Karnataka and Affiliated to Visvesvaraya Technological University, Belagavi)



COLLEGE		SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY													
FACULTY NAME		Mr. CHETHAN M S													
BRANCH		CSE				ACADEMIC YEAR						2021-2022			
COURSE	B.E	SEMESTER				V		SECTION				B			
SUBJECT	MANAGEMENT AND ENTREPRENEURSHIP FOR IT INDUSTRY						SUBJECT CODE		18CS51						

CO & PO MAPPING

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	-	-	-	-	1	-	1	2	2	2	2	2	-	-
CO2	3	2	-	-	1	1	-	1	2	2	2	2	2	-	2
CO3	3	2	2	-	1	1	-	1	2	2	2	2	2	2	2
AVG	3.0	1.3	0.6	-	0.6	1.0	-	1.0	2.0	2.0	2.0	2.0	2.0	0.6	1.3
OVERALL MAPPING OF SUBJECT													1.49		

CO AND PO ATTAINMENT

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	48.51	1.45	-	-	-	-	0.48	-	0.48	0.97	0.97	0.97	0.97	0.97	-	-
CO2	55.21	1.65	1.10	-	-	0.55	0.55	-	0.55	1.10	1.10	1.10	1.10	1.10	-	1.10
CO3	71.83	2.15	1.43	1.43	-	0.71	0.71	-	0.71	1.43	1.43	1.43	1.43	1.43	1.43	1.43
AVERAGE	58.51	1.75	1.26	1.43	-	0.63	0.58	-	0.58	1.16	1.16	1.16	1.16	1.16	1.43	1.26
FINAL ATTAINMENT LEVEL														1.13		

Chethan M S
 STAFF INCHARGE

Chethan M S
 COMPUTER SCIENCE & ENGG.,
 SIET, TUMAKURU-08.

Chethan M S
 PRINCIPAL
 SIET, TUMAKURU.

Department of Computer Science and Engineering

COURSE INSTRUCTOR: Prof. CHETHAN K S			COURSE CODE:18CS51			COURSE: Management and Entrepreneurship for IT Industry			SEM: V SEM B-Section			2021-2022 ODD SEM			CSE				
Roll No.	USN	Name	T1=30	T2=30	T3=30	T1 T2 T3			ASSIGNMENT-10			SEE-60M			FINAL			SEE	
						CO1-30	CO2-30	CO3-30	CO1-3.3	CO2-3.3	CO3-3.3	CO1-20	CO2-20	CO3-20	CO1-53.3	CO2-53.3	CO3-53.3		
1	ISV19CS066	SHAH HUSSAIN AHAMED S A	7	11	18	7	11	18	3.3	3.3	3.3	7.0	7.0	7.0	17.3	21.3	28.3	21	
2	ISV19CS067	SHWET KUMAR	11	5	17	11	5	17	3.3	3.3	3.3	12.0	12.0	12.0	26.3	20.3	32.3	36	
3	ISV19CS068	SIDDALINGAIAH N M	0	5	26	0	5	26	3.3	3.3	3.3	10.3	10.3	10.3	13.6	18.6	39.6	31	
4	ISV19CS069	SIDDESHYADAV G S	5	3	24	5	3	24	3.3	3.3	3.3	9.0	9.0	9.0	17.3	15.3	36.3	27	
5	ISV19CS070	SIKAS S K	26	24	29	26	24	29	3.3	3.3	3.3	15.0	15.0	15.0	44.3	42.3	47.3	45	
6	ISV19CS071	SINCHANA B S	10	18	27	10	18	27	3.3	3.3	3.3	11.7	11.7	11.7	25.0	33.0	42.0	35	
7	ISV19CS072	SRUJAN H K	15	14	29	15	14	29	3.3	3.3	3.3	11.0	11.0	11.0	29.3	28.3	43.3	33	
8	ISV19CS074	SUCHITRA H C	12	12	26	12	12	26	3.3	3.3	3.3	11.7	11.7	11.7	27.0	27.0	41.0	35	
9	ISV19CS076	SUHAS H B	15	10	30	15	10	30	3.3	3.3	3.3	9.0	9.0	9.0	27.3	22.3	42.3	27	
10	ISV19CS077	SUPRIYA C S	5	9	30	5	9	30	3.3	3.3	3.3	8.0	8.0	8.0	16.3	20.3	41.3	24	
11	ISV19CS079	TARUN R N	4	AB	23	4	0	23	3.3	3.3	3.3	7.0	7.0	7.0	14.3	10.3	33.3	21	
12	ISV19CS080	UTSHAV NEPAL	14	20	30	14	20	30	3.3	3.3	3.3	13.0	13.0	13.0	30.3	36.3	46.3	39	
13	ISV19CS081	VARSHA N	21	25	30	21	25	30	3.3	3.3	3.3	13.0	13.0	13.0	37.3	41.3	46.3	39	
14	ISV19CS082	VARSHINI J	25	20	26	25	20	26	3.3	3.3	3.3	10.7	10.7	10.7	39.0	34.0	40.0	32	
15	ISV19CS083	Y S YASWANTH SAI	25	29	30	25	29	30	3.3	3.3	3.3	15.7	15.7	15.7	44.0	48.0	49.0	47	
16	ISV19CS084	YASHAS G	14	18	26	14	18	26	3.3	3.3	3.3	13.3	13.3	13.3	30.6	34.6	42.6	40	
17	ISV19CS085	YATHISH GOWDA K H	15	11	19	15	11	19	3.3	3.3	3.3	7.3	7.3	7.3	25.6	21.6	29.6	22	
18	ISV19CS086	ZAKAUR RAHMAN	0	16	14	0	16	14	3.3	3.3	3.3	9.7	9.7	9.7	13.0	29.0	27.0	29	
19	ISV18CS002	AISHWARYA S	7	20	14	7	20	14	3.3	3.3	3.3	9.7	9.7	9.7	20.0	33.0	27.0	29	
20	ISV18CS006	BHARATH KUMAR J	11	19	30	11	19	30	3.3	3.3	3.3	12.7	12.7	12.7	27.0	35.0	46.0	38	
21	ISV18CS009	DEEKSHITH R	11	14	27	11	14	27	3.3	3.3	3.3	12.7	12.7	12.7	27.0	30.0	43.0	38	
22	ISV18CS012	DIVYA DEEKSHITH S	9	30	26	9	30	26	3.3	3.3	3.3	12.3	12.3	12.3	24.6	45.6	41.6	37	
23	ISV18CS018	GURUPRASAD B S	30	25	30	30	25	30	3.3	3.3	3.3	14.0	14.0	14.0	47.3	42.3	47.3	42	
24	ISV18CS034	RANGANATH	2	30	21	2	30	21	3.3	3.3	3.3	15.0	15.0	15.0	20.3	48.3	39.3	45	
25	ISV18CS035	SANDEEP H	AB	AB	AB	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0	
26	ISV18CS047	YASHVANTHKUMAR P	2	AB	27	2	0	27	3.3	3.3	3.3	9.7	9.7	9.7	15.0	13.0	40.0	29	
27	ISV20CS400	HEMA M S	18	22	30	18	22	30	3.3	3.3	3.3	10.7	10.7	10.7	32.0	36.0	44.0	32	
28	ISV20CS401	SWATHI K M	21	25	24	21	25	24	3.3	3.3	3.3	9.0	9.0	9.0	33.3	37.3	36.3	27	
															AVG	25.860714	29.432143	38.2893	
															%	48.519164	55.21978	71.8373	

CHETHAN K S
CHETHAN K S

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COMPUTER SCIENCE & ENGG.,
SIET, TUMAKURU-06.

**DEPARTMENT OF COMPUTER SCIENCE / INFORMATION SCIENCE**

SUBJECT	COMPUTER NETWORKS AND SECURITY	SUBJECT CODE	18CS52
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COURSE OUTCOME

- CO 1.** Explain principles of application layer protocols
- CO 2.** Recognize transport layer services and infer UDP and TCP protocols
- CO 3.** Classify routers, IP and Routing Algorithms in network layer
- CO 4.** Understand the Wireless and Mobile Networks covering IEEE 802.11 Standard
- CO 5:** Describe Multimedia Networking and Network Management

PSO1: To Create, select, and apply appropriate techniques, resources, modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.

PSO2: To manage complex IT projects with consideration of the human, financial, ethical and environmental factors and an understanding of risk management processes, and operational and policy implications.

PSO3: Acquaint module knowledge on emerging trends of the modern era in computer science and engineering.

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 analyse 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 modelling 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	Dr.CHARAN K V											
BRANCH	CSE / ISE			ACADEMIC YEAR				2021-22				
COURSE	B.E	SEMESTER		V	SECTION			A & B				
SUBJECT	COMPUTER NETWORKS AND SECURITY						SUBJECT CODE		18CS52			
CO & PO MAPPING												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	2	3	1	3			2	1	1	1	2
CO2	3	3	3	1	1			2	1	1	1	2
CO3	3	2	2	1	1			2	1	1	1	2
CO4	3	2	2	1	1			2	1	1	1	2
CO5	3	2	1	1	1			1	1	1	1	2
AVERAGE	3	2.16	2	1	1.33			1.66	1	1	1	2
OVERALL MAPPING OF SUBJECT												1.34

CO AND PO ATTAINMENT

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	0.28	0.8565	0.571	0.857	0.2855	0.8565			0.571	0.2855	0.2855	0.2855	0.571
CO2	0.24	0.7251	0.725	0.725	0.2417	0.2417			0.4834	0.2417	0.2417	0.2417	0.4834
CO3	0.28	0.8697	0.58	0.58	0.2899	0.2899			0.5798	0.2899	0.2899	0.2899	0.5798
CO4	0.28	0.8697	0.58	0.58	0.2899	0.2899			0.5798	0.2899	0.2899	0.2899	0.5798
CO5	0.25	0.7782	0.519	0.259	0.2594	0.2594			0.2594	0.2594	0.2594	0.2594	0.5188
AVERAGE	0.265	0.817	1.545	0.558	0.272	0.558			1.4152	0.2725	1.2725	0.27245	0.5449
FINAL ATTAINMENT LEVEL													1.63

	PSO1	PSO2	PSO3
CO1	2	2	2
CO2	2	2	2
CO3	2	2	2
CO4	2	1	2
CO5	2	2	2
AVERAGE	2	2	2

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SIET, TUMAKURU.



Department of Computer Science and Engineering

COURSE OUTCOME

- CO1.** Summarize the concepts of database objects; enforce integrity constraints on a database using RDBMS.
- CO2.** Use Structured Query Language (SQL) for database manipulation
- CO3.** Design simple database systems for some application to interact with databases
- CO4.** Implement normalizationalgorithms using database design theory for different application
- CO5.** Analyze and implement transaction processing, concurrency control and database recovery protocols in databases.

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 modelling 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: 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. ARSHIYA MUBEEN					
BRANCH	CSE	ACADEMIC YEAR			2021-22	
COURSE	B.E	SEMESTER	V	SECTION	B	
SUBJECT	Database Management System			SUBJECT CODE	18CS53	

CO-PO-PSO Mapping															
COs	Pos												PSOs		
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3
CO1	3	2	1	-	-	-	-	-	-	-	-	2	2	-	-
CO2	2	1	2	1	3	-	-	-	-	-	-	1	3	-	-
CO3	2	1	2	1	2	-	-	-	-	-	-	1	2	-	-
CO4	2	3	-	-	1	-	-	-	-	-	-	2	3	-	-
CO5	1	1	2	1	-	-	-	-	-	-	-	1	2	-	-
Average	2.0	1.6	1.8	1.0	2.0	-	-	-	-	-	-	1.4	2.4	-	-

CO AND PO ATTAINMENT

ATTAINMENT TABLE																
COs	AVG	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	62.9	1.88	1.25	0.62									1.25	1.25		
CO2	67.1	1.34	0.67	1.34	0.67	2.01							0.67	2.01		
CO3	66.2	1.32	0.66	1.32	0.66	1.32							0.66	1.32		
CO4	67.4	1.34	2.02			0.67							1.34	2.02		
CO5	66.7	0.66	0.66	1.33	0.66								0.66	1.33		
AVERAGE		1.30	1.05	1.15	0.66	1.33							0.91	1.58		


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Roll No.	USN	Name	T1			T2			T3			ASSIGNMENT 10/5					SEE					Final					TOT AL RES	
			T1	T2	T3	CO1-30	CO2-15	CO3-15	CO4-15	CO5-15	CO1-2	CO2-2	CO3-2	CO4-2	CO5-2	SEE	CO1-12	CO2-12	CO3-12	CO4-12	CO5-12	CO1-44	CO2-29	CO3-29	CO4-29	CO5-29		
61	ISV19CS066	SHAH HUSSAIN AHAM	29	29	29	29	14	15	15	14	2	2	2	2	2	26	5.2	5.2	5.2	5.2	5.2	36.2	21.2	22.2	22.2	21.2	24.6	
62	ISV19CS067	SHWET KUMAR	21	28	28	21	14	14	14	14	2	2	2	2	2	23	4.6	4.6	4.6	4.6	4.6	27.6	20.6	20.6	20.6	20.6	22	
63	ISV19CS068	SIDDALINGAIAH N M	16	28	28	16	14	14	14	14	2	2	2	2	2	27	5.4	5.4	5.4	5.4	5.4	23.4	21.4	21.4	21.4	21.4	21.8	
64	ISV19CS069	SIDDESHYADAV G S	14	28	28	14	14	14	14	14	2	2	2	2	2	27	5.4	5.4	5.4	5.4	5.4	23.4	21.4	21.4	21.4	21.4	21.8	
65	ISV19CS070	SIKAS S K	27	26	28	27	13	13	14	14	2	2	2	2	2	27	5.4	5.4	5.4	5.4	5.4	21.4	21.4	21.4	21.4	21.4	21.4	
66	ISV19CS071	SINCHANA B S	30	30	29	30	15	15	14	15	2	2	2	2	2	36	7.2	7.2	7.2	7.2	7.2	36.2	22.2	22.2	23.2	23.2	25.4	
67	ISV19CS072	SRUJAN H K	23	27	28	23	15	12	14	14	2	2	2	2	2	33	6.6	6.6	6.6	6.6	6.6	38.6	23.6	23.6	22.6	23.6	26.4	
68	ISV19CS074	SUCHITRA H C	28	29	29	28	15	14	15	14	2	2	2	2	2	27	5.4	5.4	5.4	5.4	5.4	30.4	22.4	19.4	21.4	21.4	23	
69	ISV19CS076	SUHAS H B	26	28	27	26	14	14	14	13	2	2	2	2	2	21	4.2	4.2	4.2	4.2	4.2	34.2	21.2	20.2	21.2	20.2	23.4	
70	ISV19CS077	SUPRIYA C S	17	29	27	17	15	14	15	12	2	2	2	2	2	15	3	3	3	3	3	31	19	19	19	18	21.2	
71	ISV19CS079	TARUN R N	0	AB	AB	0	0	0	0	0	0	0	0	0	0	3	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	
72	ISV19CS080	UTSHAV NEPAL	25	26	28	25	13	13	14	14	2	2	2	2	2	24	4.8	4.8	4.8	4.8	4.8	31.8	19.8	19.8	20.8	20.8	22.6	
73	ISV19CS081	VARSHA N	26	26	29	26	13	13	14	15	2	2	2	2	2	26	5.2	5.2	5.2	5.2	5.2	33.2	20.2	20.2	21.2	22.2	23.4	
74	ISV19CS082	VARSHINI J	27	29	29	27	15	14	15	14	2	2	2	2	2	27	5.4	5.4	5.4	5.4	5.4	34.4	22.4	21.4	22.4	21.4	24.4	
75	ISV19CS083	Y S YASWANTH SAI	28	26	28	28	13	13	15	13	2	2	2	2	2	32	6.4	6.4	6.4	6.4	6.4	36.4	21.4	21.4	23.4	21.4	24.8	
76	ISV19CS084	YASHAS G	26	28	28	26	14	14	13	15	2	2	2	2	2	27	5.4	5.4	5.4	5.4	5.4	33.4	21.4	21.4	20.4	22.4	23.8	
77	ISV19CS085	YATHISH GOWDA K H	21	28	28	21	14	14	14	14	2	2	2	2	2	21	4.2	4.2	4.2	4.2	4.2	27.2	20.2	20.2	20.2	20.2	21.6	
78	ISV19CS086	ZAKAUR RAHMAN	24	28	27	24	14	14	14	13	2	2	2	2	2	18	3.6	3.6	3.6	3.6	3.6	29.6	19.6	19.6	19.6	18.6	21.4	
79	ISV18CS002	AISHWARYA S	26	29	28	26	14	15	14	14	2	2	2	2	2	21	4.2	4.2	4.2	4.2	4.2	32.2	20.2	21.2	20.2	20.2	22.8	
80	ISV18CS006	BHARATH KUMAR J	18	26	26	18	13	13	13	13	2	2	2	2	2	26	5.2	5.2	5.2	5.2	5.2	25.2	20.2	20.2	20.2	20.2	21.2	
81	ISV18CS009	DEEKSHITH R	20	26	28	20	13	13	14	14	2	2	2	2	2	21	4.2	4.2	4.2	4.2	4.2	26.2	19.2	19.2	20.2	20.2	21	
82	ISV18CS012	DIVYA DEEKSHITH S	14	29	29	14	15	14	15	14	2	2	2	2	2	12	2.4	2.4	2.4	2.4	2.4	18.4	19.4	18.4	19.4	18.4	18.8	
83	ISV18CS018	GURUPRASAD B S	21	29	29	21	15	14	15	14	2	2	2	2	2	26	5.2	5.2	5.2	5.2	5.2	28.2	22.2	21.2	22.2	21.2	23	
84	ISV18CS034	RAKSHITHA RANGANA	18	28	28	18	14	14	14	14	2	2	2	2	2	41	8.2	8.2	8.2	8.2	8.2	28.2	24.2	24.2	24.2	24.2	25	
85	ISV18CS035	SANDEEP H	AB	AB	AB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86	ISV18CS047	YASHVANTHKUMAR P	26	28	28	26	14	14	14	14	2	2	2	2	2	21	4.2	4.2	4.2	4.2	4.2	32.2	20.2	20.2	20.2	20.2	22.6	
87	ISV20CS400	HEMA M S	26	28	29	26	14	14	14	15	2	2	2	2	2	14	2.8	2.8	2.8	2.8	2.8	30.8	18.8	18.8	18.8	19.8	21.4	
88	ISV20CS401	SWATHI K M	19	29	29	19	15	14	14	15	2	2	2	2	2	21	4.2	4.2	4.2	4.2	4.2	25.2	21.2	20.2	20.2	21.2	21.6	
																						27.7	19.5	19.2	19.6	19.3		
																							62.9	67.1	66.2	67.4	66.7	



Department of Computer Science and Engineering

COURSE OUTCOME

- CO1.** Acquire fundamental understanding of the core concepts in automata theory and Theory of Computation
- CO2.** Learn how to translate between different models of Computation (e.g., Deterministic and Non-deterministic and Software models).
- CO3.** Design Grammars and Automata (recognizers) for different language classes and become knowledgeable about restricted models of Computation (Regular, Context Free) and their relative powers.
- CO4.** Develop skills in formal reasoning and reduction of a problem to a formal model, with an emphasis on semantic precision and conciseness.
- CO5.** Classify a problem with respect to different models of Computation

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 modelling 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. KIRAN G M					
BRANCH	CSE	ACADEMIC YEAR			2021-22	
COURSE	B.E	SEMESTER	V	SECTION	B	
SUBJECT	Automata Theory and Computability			SUBJECT CODE	18CS54	

CO-PO-PSO Mapping															
COs	Pos												PSOs		
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3
CO1	3	1	1	-	-	-	-	-	-	-	-	1	-	-	2
CO2	2	-	-	-	-	-	-	-	-	-	-	1	-	-	2
CO3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	2
CO4	1	1	2	-	-	-	-	-	-	-	-	1	-	-	2
CO5	2	2	-	-	-	-	-	-	-	-	-	1	-	-	2
Average	1.8	1.3	1.5	-	-	-	-	-	-	-	-	1.0	-	-	2.0

CO AND PO ATTAINMENT

ATTAINMENT TABLE																
COs	AVG	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	68.9	2.06	0.68	0.68									0.68			1.37
CO2	72.0	1.44											0.72			1.44
CO3	71.0	0.71														1.42
CO4	70.6	0.70	0.70	1.41									0.70			1.41
CO5	69.3	1.38	1.38										0.69			1.38
AVERAGE		1.25	0.92	1.04									0.69			1.40

18CS54

Sem:V 'A'

2021-22

ODD

FACULTY: Mr. KIRAN G M

Roll No.	USN	Name	SUB: ATC			T1	T2		T3		ASSIGNMENT 10/5					SEE					Final					TOTAL AVG	
			T1	T2	T3	CO1-30	CO2-15	CO3-15	CO4-15	CO5-15	CO1-2	CO2-2	CO3-2	CO4-2	CO5-2	SEE (60)	CO1-12	CO2-12	CO3-12	CO4-12	CO5-12	CO1-44	CO2-29	CO3-29	CO4-29		CO5-29
1	1SV19CS001	AFREEN APFSHAN	28	29	29	28	15	14	14	15	2	2	2	2	2	38	7.6	7.6	7.6	7.6	7.6	37.6	24.6	23.6	23.6	24.6	26.8
2	1SV19CS003	AKASH KUMAR SINGH	28	28	26	28	14	14	13	13	2	2	2	2	2	37	7.4	7.4	7.4	7.4	7.4	37.4	23.4	23.4	22.4	22.4	25.8
3	1SV19CS004	AKHIL N	26	27	24	0	15	12	12	12	2	2	2	2	2	0	0	0	0	0	0	2	17	14	14	14	12.2
4	1SV19CS005	AKSHATHA M	28	28	28	28	14	14	14	14	2	2	2	2	2	21	4.2	4.2	4.2	4.2	4.2	34.2	20.2	20.2	20.2	20.2	23
5	1SV19CS006	AMRIT GYAWALI	29	28	27	29	14	14	14	13	2	2	2	2	2	29	5.8	5.8	5.8	5.8	5.8	36.8	21.8	21.8	21.8	20.8	24.6
6	1SV19CS007	ANKITHA K	29	29	29	29	15	14	15	14	2	2	2	2	2	28	5.6	5.6	5.6	5.6	5.6	36.6	22.6	21.6	22.6	21.6	25
7	1SV19CS008	ANUSHA B	30	29	28	30	15	14	14	14	2	2	2	2	2	34	6.8	6.8	6.8	6.8	6.8	38.8	23.8	22.8	22.8	22.8	26.2
8	1SV19CS009	ARBIN TAJ	28	28	24	28	14	14	12	12	2	2	2	2	2	3	0.6	0.6	0.6	0.6	0.6	30.6	16.6	16.6	14.6	14.6	18.6
9	1SV19CS011	ASHRITH P	28	28	28	28	14	14	14	14	2	2	2	2	2	21	4.2	4.2	4.2	4.2	4.2	34.2	20.2	20.2	20.2	20.2	23
10	1SV19CS013	AYESHA SALEEM	28	29	28	28	15	14	14	14	2	2	2	2	2	26	5.2	5.2	5.2	5.2	5.2	35.2	22.2	21.2	21.2	21.2	24.2
11	1SV19CS014	BHAGYASHREE	14	29	AB	14	15	14	0	0	2	2	2	2	2	4	0.8	0.8	0.8	0.8	0.8	16.8	17.8	16.8	2.8	2.8	11.4
12	1SV19CS015	BHAGYASHREE G	27	29	29	27	15	14	15	14	2	2	2	2	2	28	5.6	5.6	5.6	5.6	5.6	34.6	22.6	21.6	22.6	21.6	24.6
13	1SV19CS016	BHARATHI H	24	28	26	24	14	14	13	13	2	2	2	2	2	21	4.2	4.2	4.2	4.2	4.2	30.2	20.2	20.2	19.2	19.2	21.8
14	1SV19CS017	BHARGAV N	26	28	24	0	14	14	12	12	2	2	2	2	2	0	0	0	0	0	0	2	16	16	14	14	12.4
15	1SV19CS018	BHAVANA C	29	29	29	29	15	14	15	14	2	2	2	2	2	27	5.4	5.4	5.4	5.4	5.4	36.4	22.4	21.4	22.4	21.4	24.8
16	1SV19CS019	BHOJANNA AJAY	15	26	26	15	13	13	14	12	2	2	2	2	2	11	2.2	2.2	2.2	2.2	2.2	19.2	17.2	17.2	18.2	16.2	17.6
17	1SV19CS020	BHOOMIKA J N	30	29	29	30	15	14	15	14	2	2	2	2	2	35	7	7	7	7	7	39	24	23	24	23	26.6
18	1SV19CS021	BHUVANESHWARI	30	29	30	30	14	15	15	15	2	2	2	2	2	37	7.4	7.4	7.4	7.4	7.4	39.4	23.4	24.4	24.4	24.4	27.2
19	1SV19CS022	BHUVANESHWARI A	29	28	29	29	14	14	15	14	2	2	2	2	2	24	4.8	4.8	4.8	4.8	4.8	35.8	20.8	20.8	21.8	20.8	24
20	1SV19CS023	CHETHAN V	26	28	29	26	14	14	15	14	2	2	2	2	2	21	4.2	4.2	4.2	4.2	4.2	32.2	20.2	20.2	21.2	20.2	22.8
21	1SV19CS024	DARSHAN K N	0	AB	AB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	1SV19CS025	DEEKSHA K	30	29	29	30	15	14	15	14	2	2	2	2	2	36	7.2	7.2	7.2	7.2	7.2	39.2	24.2	23.2	24.2	23.2	26.8
23	1SV19CS026	DHANUSH K	AB	AB	AB	0	0	0	0	0	0	0	0	0	0	5	1	1	1	1	1	1	1	1	1	1	1
24	1SV19CS027	DISHAN M	28	28	28	28	14	14	14	14	2	2	2	2	2	48	9.6	9.6	9.6	9.6	9.6	39.6	25.6	25.6	25.6	25.6	28.4
25	1SV19CS028	DULARCHAND KALWAR	14	29	28	14	15	14	14	14	2	2	2	2	2	30	6	6	6	6	6	22	23	22	22	22	22.2
26	1SV19CS029	ESRA BANU	24	28	29	24	14	14	15	14	2	2	2	2	2	24	4.8	4.8	4.8	4.8	4.8	30.8	20.8	20.8	21.8	20.8	23
27	1SV19CS030	GAYITHRIDEVI K M	30	29	30	30	15	14	15	15	2	2	2	2	2	35	7	7	7	7	7	39	24	23	24	24	26.8
28	1SV19CS031	GOUDAR ROHIT RENU	28	28	24	28	14	14	12	12	2	2	2	2	2	4	0.8	0.8	0.8	0.8	0.8	30.8	16.8	16.8	14.8	14.8	18.8
29	1SV19CS032	H BARKATHULLA	27	28	28	27	14	14	14	14	2	2	2	2	2	21	4.2	4.2	4.2	4.2	4.2	33.2	20.2	20.2	20.2	20.2	22.8
30	1SV19CS033	HARISHA M R	26	26	28	26	13	13	14	14	2	2	2	2	2	35	7	7	7	7	7	35	22	22	23	23	25
31	1SV19CS034	HARSHITHA C	30	29	30	30	15	14	15	15	2	2	2	2	2	39	7.8	7.8	7.8	7.8	7.8	39.8	24.8	23.8	24.8	24.8	27.6

32	ISV19CS035	HEMANTH K R	27	28	26	27	14	14	13	13	2	2	2	2	2	43	8.6	8.6	8.6	8.6	8.6	37.6	24.6	24.6	23.6	23.6	26.8														
33	ISV19CS036	J N SHREYAS	26	28	24	26	14	14	12	12	2	2	2	2	2	2	0.4	0.4	0.4	0.4	0.4	28.4	16.4	16.4	14.4	14.4	18														
34	ISV19CS037	JYOTI MOHAN MADIWALAR	28	29	29	28	15	14	15	14	2	2	2	2	2	2	22	4.4	4.4	4.4	4.4	4.4	34.4	21.4	20.4	21.4	20.4	23.6													
35	ISV19CS038	KALPANA M N	29	28	29	29	14	14	15	14	2	2	2	2	2	2	21	4.2	4.2	4.2	4.2	4.2	35.2	20.2	20.2	21.2	20.2	23.4													
36	ISV19CS040	LAVANYA T S	28	29	30	28	15	14	15	15	2	2	2	2	2	2	37	7.4	7.4	7.4	7.4	7.4	37.4	24.4	23.4	24.4	24.4	26.8													
37	ISV19CS041	MADHAVA REDDY M	26	28	28	26	14	14	14	14	2	2	2	2	2	2	33	6.6	6.6	6.6	6.6	6.6	34.6	22.6	22.6	22.6	22.6	25													
38	ISV19CS042	MAHALAKSHMI H	28	28	28	0	14	14	14	14	2	2	2	2	2	2	24	4.8	4.8	4.8	4.8	4.8	36.8	20.8	21.8	21.8	20.8	24.4													
39	ISV19CS043	MONIKA P	30	29	29	30	14	15	15	14	2	2	2	2	2	2	27	5.4	5.4	5.4	5.4	5.4	36.4	21.4	22.4	22.4	21.4	24.8													
40	ISV19CS044	MONISHA P	29	29	29	29	14	15	15	14	2	2	2	2	2	2	37	7.4	7.4	7.4	7.4	7.4	38.4	23.4	24.4	24.4	23.4	26.8													
41	ISV19CS045	NAGAKRUPA D R	29	29	29	29	14	15	15	14	2	2	2	2	2	2	33	6.6	6.6	6.6	6.6	6.6	38.6	22.6	23.6	23.6	20.6	25.8													
42	ISV19CS046	NANDAN KUMAR M	30	29	27	30	14	15	15	12	2	2	2	2	2	2	33	6.6	6.6	6.6	6.6	6.6	40.2	25.2	25.2	26.2	25.2	28.4													
43	ISV19CS047	NANDINI A	29	28	29	29	14	14	15	14	2	2	2	2	2	2	46	9.2	9.2	9.2	9.2	9.2	40.2	25.2	25.2	26.2	25.2	28.4													
44	ISV19CS048	NAYANA H S	26	28	28	26	14	14	14	14	2	2	2	2	2	2	15	3	3	3	3	3	31	19	19	19	19	21.4													
45	ISV19CS050	NIKKI KISHORE	30	29	29	30	15	14	15	14	2	2	2	2	2	2	14	2.8	2.8	2.8	2.8	2.8	4.8	18.8	18.8	18.8	18.8	16													
46	ISV19CS051	NOOR JAHAN	21	28	28	0	14	14	14	14	2	2	2	2	2	2	26	5.2	5.2	5.2	5.2	5.2	35.2	21.2	22.2	22.2	21.2	24.4													
47	ISV19CS052	PRAMOD R	28	29	29	28	14	15	15	14	2	2	2	2	2	2	38	7.6	7.6	7.6	7.6	7.6	39.6	23.6	24.6	24.6	24.6	27.4													
48	ISV19CS053	PRIYA R ACHARYA	30	29	30	30	14	15	15	15	2	2	2	2	2	2	38	7.6	7.6	7.6	7.6	7.6	39.6	23.6	24.6	24.6	24.6	27.4													
49	ISV19CS054	RAHUL S	26	28	28	26	15	13	13	15	2	2	2	2	2	2	15	3	3	3	3	3	31	20	18	18	20	21.4													
50	ISV19CS055	RAJAN KUMAR PATEL	12	26	26	12	13	13	13	13	2	2	2	2	2	2	21	4.2	4.2	4.2	4.2	4.2	18.2	19.2	19.2	19.2	19.2	19													
51	ISV19CS056	RAKSHITH B R	27	28	28	27	14	14	14	14	2	2	2	2	2	2	33	6.6	6.6	6.6	6.6	6.6	35.6	22.6	22.6	22.6	22.6	25.2													
52	ISV19CS057	RAVINDRA H V	29	29	30	29	15	14	15	15	2	2	2	2	2	2	41	8.2	8.2	8.2	8.2	8.2	39.2	25.2	24.2	25.2	25.2	27.8													
53	ISV19CS058	S ANKITHA	25	29	27	25	14	15	15	12	2	2	2	2	2	2	11	2.2	2.2	2.2	2.2	2.2	4.2	19.2	18.2	18.2	17.2	15.4													
54	ISV19CS059	SAHANA B R	26	29	27	0	15	14	14	13	2	2	2	2	2	2	11	2.2	2.2	2.2	2.2	2.2	4.2	19.2	18.2	18.2	17.2	15.4													
55	ISV19CS060	SAHANA SHARANAPPA	28	29	28	28	15	14	14	14	2	2	2	2	2	2	21	4.2	4.2	4.2	4.2	4.2	18.2	19.2	19.2	19.2	19.2	19													
56	ISV19CS061	SAI KISHAN M R	7	29	28	7	15	14	14	14	2	2	2	2	2	2	26	5.2	5.2	5.2	5.2	5.2	14.2	22.2	21.2	21.2	21.2	20													
57	ISV19CS062	SANIHA C	26	28	28	26	14	14	14	14	2	2	2	2	2	2	18	3.6	3.6	3.6	3.6	3.6	31.6	19.6	19.6	19.6	19.6	22													
58	ISV19CS063	SANTHOSH C	24	28	28	24	14	14	14	14	2	2	2	2	2	2	30	6	6	6	6	6	32	22	22	22	22	24													
59	ISV19CS064	SATYAM KUMAR CHAUBEY	25	28	26	25	14	14	13	13	2	2	2	2	2	2	42	8.4	8.4	8.4	8.4	8.4	35.4	24.4	24.4	23.4	23.4	26.2													
60	ISV19CS065	SHAFTYA KHANUM	27	29	29	27	15	14	15	14	2	2	2	2	2	2	38	7.6	7.6	7.6	7.6	7.6	36.6	24.6	23.6	24.6	23.6	26.6													
																						30.34		20.89		20.60		20.49		20.09											
																						68.9		72.0		71.0		70.6		69.3											



Department of Computer Science and Engineering

COURSE OUTCOME

- C01. Demonstrate proficiency in handling of loops and creation of functions.
- C02. Identify the methods to create and manipulate lists, tuples and dictionaries
- C03. Discover the commonly used operations involving regular expressions and file system.
- C04. Interpret the concepts of Object-Oriented Programming as used in Python.
- C05. Determine the need for scraping websites and working with CSV, JSON and other file formats

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 SUTHAN R																
BRANCH	CSE					ACADEMIC YEAR					2021-2022						
COURSE	B.E	SEMESTER					V	SECTION									
SUBJECT	Application Development using Python					SUBJECT CODE					18CS55						

CO & PO MAPPING

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	2	3		2								3	2	2
CO2	3	3	3		2								3	1	2
CO3	3	3	3		2								3	2	2
CO4	3	2	2		2								3	3	2
CO5	3	2	2		2								3	3	2
AVERAGE2	3	2.4	2.6		2.0								3	2.2	2
OVERALL MAPPING OF SUBJECT												2.46			

CO AND PO ATTAINMENT

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	53.41	1.60	1.07	1.60		1.07								1.60	1.07	1.07
CO2	70.83	2.12	2.12	2.12		1.42								2.12	0.71	2.12
CO3	67.13	2.01	2.01	2.01		1.34								2.01	1.34	1.34
CO4	63.07	1.90	1.26	1.26		1.26								1.89	1.89	1.26
CO5	65.98	1.98	1.98	1.98		1.98								1.98	1.98	1.32
AVERAGE	64.08	1.92	1.69	1.79		1.41								1.92	1.40	1.42
FINAL ATTAINMENT LEVEL													1.65			


STAFF INCHARGE


HOD,
COMPUTER SCIENCE & ENGG.,
SIET, TUMAKURU-08.


PRINCIPAL
SIET, TUMAKURU

Academic year 2021-22		SEM V					Total strength :27					Subject :ADP					18CS55					SEE Tot									
ROLL NO	USN	A TEST 1(30M)		IA TEST 2(30M)		IA TEST 3(30M)		ASSIGNMENT / QUIZ(10 M)					SEE MARKS(60)					Total Cos ATTAINMENT					% of individual CO								
		CO1	TOTAL	CO2	CO3	TOTAL	CO4	CO5	TOTAL	CO1	CO2	CO3	CO4	CO5	CO1=12	CO2	CO3	CO4	CO5	CO1=4	CO2=29	CO3=29	CO4=29	CO5=29	CO1	CO2	CO3	CO4	CO5	60M	
1	1SV19CS066	21	21	15	14	29	14	14	28	2	2	2	2	2	7.8	7.8	7.8	7.8	7.8	31	25	24	23.8	23.8	70	85.5172	82.069	82.069	82.07	39	
2	1SV19CS067	16	16	15	10	25	15	10	25	2	2	2	2	2	7	7	7	7	7	25	24	19	23.6	18.6	55.909	81.3793	64.138	72.6154	64.14	33	
3	1SV19CS068	8	8	10	7	17	11	11	22	2	2	2	2	2	5	5	5	5	5	15	17	14	18.4	18.4	35	60	49.655	56.6154	63.45	27	
4	1SV19CS069	16	16	15	12	27	14	10	24	2	2	2	2	2	8	8	8	8	8	26	25	22	24	20	59.091	86.2069	75.862	73.8462	68.97	40	
5	1SV19CS070	22	22	14	15	29	14	15	29	2	2	2	2	2	5	5	5	5	5	29	21	22	21	22	65.909	72.4138	75.862	64.6154	75.86	25	
6	1SV19CS071	23	23	15	13	28	14	14	28	2	2	2	2	2	7	7	7	7	7	32	24	22	22.8	22.8	72.273	82.069	75.172	70.1538	78.62	34	
7	1SV19CS072	17	17	13	10	23	15	14	29	2	2	2	2	2	2	2	2	2	2	21	17	14	19.2	18.2	48.182	59.3103	48.966	59.0769	62.76	11	
8	1SV19CS074	14	14	10	10	20	15	11	26	2	2	2	2	2	6	6	6	6	6	22	18	18	23	19	50	62.069	62.069	70.7692	65.52	30	
9	1SV19CS076	14	14	15	14	29	15	15	30	2	2	2	2	2	7	7	7	7	7	23	24	23	23.8	23.8	51.818	82.069	78.621	73.2308	82.07	34	
10	1SV19CS077	17	17	10	11	21	10	7	17	2	2	2	2	2	3	3	3	3	3	22	15	16	15	12	50	51.7241	55.172	46.1538	41.38	15	
11	1SV19CS079	5	5	0	0	AB	0	0	AB	2	2	2	2	2	5	5	5	5	5	12	7	7	6.6	6.6	26.364	22.7586	22.759	20.3077	22.76	23	
12	1SV19CS080	14	14	14	15	29	10	7	17	2	2	2	2	2	4	4	4	4	4	20	20	21	16.2	13.2	45.909	69.6552	73.103	49.8462	45.52	21	
13	1SV19CS081	23	23	15	11	26	15	14	29	2	2	2	2	2	4	4	4	4	4	29	21	17	21.2	20.2	66.364	73.1034	59.31	65.2308	69.66	21	
14	1SV19CS082	23	23	14	15	29	15	15	30	2	2	2	2	2	9	9	9	9	9	34	25	26	26.2	26.2	77.727	86.8966	90.345	80.6154	90.34	46	
15	1SV19CS083	20	20	14	14	28	15	14	29	2	2	2	2	2	8	8	8	8	8	30	24	24	25.2	24.2	68.636	83.4483	83.448	77.5385	83.45	41	
16	1SV19CS084	20	20	13	13	26	10	9	19	2	2	2	2	2	6	6	6	6	6	28	21	21	18	17	63.636	72.4138	72.414	55.3846	58.62	30	
17	1SV19CS085	15	15	10	13	23	15	15	30	2	2	2	2	2	5	5	5	5	5	22	17	20	22.2	22.2	50.455	59.3103	69.655	68.3077	76.55	26	
18	1SV19CS086	14	14	14	15	29	10	10	20	2	2	2	2	2	5	5	5	5	5	21	21	22	17.4	17.4	48.636	73.7931	77.241	53.5385	60	27	
19	1SV18CS002	6	6	14	15	29	13	10	23	2	2	2	2	2	1	1	1	1	1	9	17	18	16.2	13.2	20.909	59.3103	62.759	49.8462	45.52	6	
20	1SV18CS006	19	19	14	13	27	15	14	29	2	2	2	2	2	5	5	5	5	5	26	21	20	22.4	21.4	60	73.7931	70.345	68.9231	73.79	27	
21	1SV18CS009	14	14	13	10	23	15	11	26	2	2	2	2	2	4	4	4	4	4	20	19	16	21.2	17.2	45.909	66.2069	55.862	65.2308	59.31	21	
22	1SV18CS012	7	7	15	14	29	15	14	29	2	2	2	2	2	5	5	5	5	5	14	22	21	22	21	31.818	75.8621	72.414	67.6923	72.41	25	
23	1SV18CS018	18	18	15	14	29	14	10	24	2	2	2	2	2	6	6	6	6	6	26	23	22	22.4	18.4	60	80.6897	77.241	68.9231	63.45	32	
24	1SV18CS034	10	10	14	10	24	14	15	29	2	2	2	2	2	5	5	5	5	5	17	21	17	20.8	21.8	38.182	71.7241	57.931	64	75.17	24	
25	1SV18CS047	14	14	10	8	18	10	9	19	2	2	2	2	2	6	6	6	6	6	22	18	16	17.8	16.8	49.545	61.3793	54.483	54.7692	57.93	29	
26	1SV20CS400	27	27	15	14	29	14	13	27	2	2	2	2	2	6	6	6	6	6	35	23	22	22.4	21.4	80.455	80.6897	77.241	68.9231	73.79	32	
27	1SV20CS401	14	14	15	12	27	10	12	22	2	2	2	2	2	6	6	6	6	6	22	23	20	17.8	19.8	49.545	78.6207	68.276	54.7692	68.28	29	
																									53.418	70.8301	67.126	63.0738	66	27.704	
																															46.173

Suthan R
SUTHAN R

C.V. Sumanth Kumar
HOD,
COMPUTER SCIENCE & ENGG.,
SIET, TUMAKURU-06.



Department of Computer Science and Engineering

COURSE OUTCOME

- CO1.** Explain Unix Architecture, File system and use of Basic Commands
- CO2.** Illustrate Shell Programming and to write Shell Scripts
- CO3.** Categorize, compare and make use of Unix System Calls
- CO4.** Build an application/service over a Unix system.

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 modelling 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: 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. BASAVESHA D					
BRANCH	CSE	ACADEMIC YEAR			2021-22	
COURSE	B.E	SEMESTER	V	SECTION	B	
SUBJECT	Unix Programming			SUBJECT CODE	18CS56	

CO-PO-PSO Mapping															
COs	Pos												PSOs		
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3
CO1	2												2		
CO2		3											2		
CO3		2											2		
CO4	2												2		
Average	2	2.5											2		

CO AND PO ATTAINMENT

ATTAINMENT TABLE																
COs	AVG	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	62.8	1.25												1.25		
CO2	60.7		1.82											1.21		
CO3	54.6		1.09											1.09		
CO4	64.0	1.28												1.28		
AVERAGE		1.26	1.45											1.20		

18CS56

SEM : V SEM 'B' 2021-22 EVEN

MR BASAVESHA D

Roll No.	USN	Name				T1	T2			T3	ASSIGNMENT 10/4				SEE				Final				TOTAL AVG			
			T1	T2	T3	CO1-30	CO2-15	CO3-15	CO4-30	CO1-4	CO2-2	CO3-2	CO4-2	SE E	CO1-15	CO2-15	CO3-15	CO4-15	CO1-49	CO2-32	CO3-32	CO4-47				
61	1SV19CS066	SHAH HUSSAIN AHAMED	25	20	28	25	10	10	28	4	2	2	2	29	7.25	7.25	7.25	7.25	36.3	19.3	19.3	37.3	28			
62	1SV19CS067	SHWET KUMAR	20	18	19	20	10	8	19	4	2	2	2	32	8	8	8	8	32	20	18	29	24.75			
63	1SV19CS068	SIDDALINGAIH N M	16	12	20	16	10	2	20	4	2	2	2	45	11.25	11.3	11.25	11.3	31.3	23.3	15.3	33.3	25.75			
64	1SV19CS069	SIDDESHYADAV G S	19	21	19	19	10	11	19	4	2	2	2	42	10.5	10.5	10.5	10.5	33.5	22.5	23.5	31.5	27.75			
65	1SV19CS070	SIKAS S K	23	20	26	23	10	10	26	4	2	2	2	33	8.25	8.25	8.25	8.25	35.3	20.3	20.3	36.3	28			
66	1SV19CS071	SINCHANA B S	25	24	26	25	10	14	26	4	2	2	2	33	8.25	8.25	8.25	8.25	37.3	20.3	24.3	36.3	29.5			
67	1SV19CS072	SRUJAN H K	16	25	24	16	10	15	24	4	2	2	2	21	5.25	5.25	5.25	5.25	25.3	17.3	22.3	31.3	24			
68	1SV19CS074	SUCHITRA H C	15	12	15	15	10	2	15	4	2	2	2	32	8	8	8	8	27	20	12	25	21			
69	1SV19CS076	SUHAS H B	24	20	29	24	10	10	29	4	2	2	2	30	7.5	7.5	7.5	7.5	35.5	19.5	19.5	38.5	28.25			
70	1SV19CS077	SUPRIYA C S	22	15	14	22	10	5	14	4	2	2	2	29	7.25	7.25	7.25	7.25	33.3	19.3	14.3	23.3	22.5			
71	1SV19CS079	TARUN R N	11	AB	AB	11	0	0	0	0	0	0	0	0	0	0	0	0	11	0	0	0	2.75			
72	1SV19CS080	UTSHAV NEPAL	25	24	19	25	14	10	19	4	2	2	2	38	9.5	9.5	9.5	9.5	38.5	25.5	21.5	30.5	29			
73	1SV19CS081	VARSHA N	23	23	29	23	13	10	29	4	2	2	2	30	7.5	7.5	7.5	7.5	34.5	22.5	19.5	38.5	28.75			
74	1SV19CS082	VARSHINI J	25	23	26	25	13	10	26	4	2	2	2	44	11	11	11	11	40	26	23	39	32			
75	1SV19CS083	Y S YASWANTH SAI	26	23	29	26	13	10	29	4	2	2	2	50	12.5	12.5	12.5	12.5	42.5	27.5	24.5	43.5	34.5			
76	1SV19CS084	YASHAS G	23	24	27	23	14	10	27	4	2	2	2	32	8	8	8	8	35	24	20	37	29			
77	1SV19CS085	YATHISH GOWDA K H	17	25	29	17	15	10	29	4	2	2	2	29	7.25	7.25	7.25	7.25	28.3	24.3	19.3	38.3	27.5			
78	1SV19CS086	ZAKAUR RAHMAN	16	14	26	16	7	7	26	4	2	2	2	33	8.25	8.25	8.25	8.25	28.3	17.3	17.3	36.3	24.75			
79	1SV18CS002	AISHWARYA S	15	19	14	15	10	9	14	4	2	2	2	24	6	6	6	6	25	18	17	22	20.5			
80	1SV18CS006	BHARATH KUMAR J	20	24	20	20	10	14	20	4	2	2	2	35	8.75	8.75	8.75	8.75	32.8	20.8	24.8	30.8	27.25			
81	1SV18CS009	DEEKSHITH R	20	15	17	20	10	5	17	4	2	2	2	11	2.75	2.75	2.75	2.75	26.8	14.8	9.75	21.8	18.25			
82	1SV18CS012	DIVYA DEEKSHITH S	20	20	29	20	10	10	29	4	2	2	2	33	8.25	8.25	8.25	8.25	32.3	20.3	20.3	39.3	28			
83	1SV18CS018	GURUPRASAD B S	19	17	23	19	10	7	23	4	2	2	2	41	10.25	10.3	10.25	10.3	33.3	22.3	19.3	35.3	27.5			
84	1SV18CS034	RAKSHITHA	19	14	27	19	10	4	27	4	2	2	2	44	11	11	11	11	34	23	17	40	28.5			
85	1SV18CS035	SANDEEP H	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
86	1SV18CS047	YASHVANTHKUMAR P	17	11	14	17	5	6	14	4	2	2	2	44	11	11	11	11	32	18	19	27	24			
87	1SV20CS400	HEMA M S	23	16	0	23	10	6	0	4	2	2	2	38	9.5	9.5	9.5	9.5	36.5	21.5	17.5	11.5	21.75			
88	1SV20CS401	SWATHI K M	16	14	23	16	10	4	23	4	2	2	2	21	5.25	5.25	5.25	5.25	25.3	17.3	11.3	30.3	21			
																			30.8	19.4	17.5	30.1				
																			62.8	60.7	54.6	64.0				

Dr. Hanumanth Kumar
H.O.D.
COMPUTER SCIENCE & ENGG.,
SIET, TUMAKURU-08.



Department of Computer Science and Engineering

COURSE OUTCOME

- CO1. Appraise the theory of Artificial intelligence and Machine Learning.
- CO2. Illustrate the working of AI and ML Algorithms.
- CO3. Demonstrate the applications of AI and ML.

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 modelling 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: 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. AYESHA KHANUM					
BRANCH	CSE	ACADEMIC YEAR			2021-22	
COURSE	B.E	SEMESTER	VII	SECTION		
SUBJECT	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING			SUBJECT CODE		18CS71

CO-PO-PSO Mapping															
COs	Pos												PSOs		
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3
CO1	3	1	1	1									2	2	1
CO2	2	2	2	2									2	2	2
CO3	2	2	2	2									1		1
Average	2.34	1.67	1.67	1.67											

CO AND PO ATTAINMENT

ATTAINMENT TABLE

COs	AVG	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	67.6	2.01	0.67	0.67	0.67									1.34	1.34	0.67
CO2	72.8	1.45	1.45	1.45	1.45									1.45	1.45	1.45
CO3	76	1.52	1.52	1.52	1.52									0.76		0.76
AVERAGE	1.66	1.21	1.21	1.21										1.18	1.39	0.96

AK

STAFF INCHARGE

Cv. Anurag Kumar

HOD.
COMPUTER SCIENCE & ENGG.,
SIET, TUMAKURU-96.

Principals

PRINCIPAL
SIET, TUMAKURU

18CS71

SEM:VII

ODD

SUB:AI & ML

2021-22

AYESHA KHANUM

Roll No.	USN	Name	IA			T1	T2	T3	ASSIGNMENT 10/3			EXTERNAL			FINAL			TOTAL AVG	
			T1	T2	T3	CO1-30	CO2-30	CO3-30	CO1-5	CO2-2	CO3-3	SEE(60)	CO1-20	CO2-20	CO3-20	CO1-55	CO2-52		CO3-53
1	1SV17CS011	Chaithra M S	10	27	24	10	27	24	5	2	3	39	13.0	13.0	13.0	28.0	42.0	40.0	36.7
2	1SV17CS015	Gaganashree T U	13	27	27	13	27	27	5	2	3	36	12.0	12.0	12.0	30.0	41.0	42.0	37.7
3	1SV17CS018	Junaid Ulla K han	27	27	27	27	27	27	5	2	3	30	10.0	10.0	10.0	42.0	39.0	40.0	40.3
4	1SV17CS024	Manasa V	12	28	27	12	28	27	5	2	3	0	0.0	0.0	0.0	17.0	30.0	30.0	25.7
5	1SV17CS027	Navya S	12	12	27	12	12	27	5	2	3	15	5.0	5.0	5.0	22.0	19.0	35.0	25.3
6	1SV17CS034	Raghu ram G K	20	22	23	20	22	23	5	2	3	26	8.7	8.7	8.7	33.7	32.7	34.7	33.7
7	1SV18CS001	Abdullah	26	26	27	26	26	27	5	2	3	28	9.3	9.3	9.3	40.3	37.3	39.3	39.0
8	1SV18CS003	Amulya J M	17	26	27	17	26	27	5	2	3	36	12.0	12.0	12.0	34.0	40.0	42.0	38.7
9	1SV18CS004	Ayush Ranjan Tiwari	26	20	23	26	20	23	5	2	3	38	12.7	12.7	12.7	43.7	34.7	38.7	39.0
10	1SV18CS005	Basavaraju	25	25	28	25	25	28	5	2	3	50	16.7	16.7	16.7	46.7	43.7	47.7	46.0
11	1SV18CS007	Bhavya HP	26	25	29	26	25	29	5	2	3	33	11.0	11.0	11.0	42.0	38.0	43.0	41.0
12	1SV18CS008	Chandrashekar T	23	27	27	23	27	27	5	2	3	24	8.0	8.0	8.0	36.0	37.0	38.0	37.0
13	1SV18CS011	Dharmana Harika	23	25	28	23	25	28	5	2	3	36	12.0	12.0	12.0	40.0	39.0	43.0	40.7
14	1SV18CS014	Enchara M	25	27	29	25	27	29	5	2	3	40	13.3	13.3	13.3	43.3	42.3	45.3	43.6
15	1SV18CS015	Gagana	12	27	27	12	27	27	5	2	3	27	9.0	9.0	9.0	26.0	38.0	39.0	34.3
16	1SV18CS017	Ganyakumar G R	26	28	29	26	28	29	5	2	3	32	10.7	10.7	10.7	41.7	40.7	42.7	41.7
17	1SV18CS019	Hada Amal Khan	21	28	27	21	28	27	5	2	3	30	10.0	10.0	10.0	36.0	40.0	40.0	38.7
18	1SV18CS021	Keerthiprasad	29	27	28	29	27	28	5	2	3	38	12.7	12.7	12.7	46.7	41.7	43.7	44.0
19	1SV18CS022	Kushal Kumar	26	26	27	26	26	27	5	2	3	31	10.3	10.3	10.3	41.3	38.3	40.3	40.0
20	1SV18CS023	Lavanya T A	27	26	29	27	26	29	5	2	3	28	9.3	9.3	9.3	41.3	37.3	41.3	40.0
21	1SV18CS024	Lisha Shree Nayaka	24	26	29	24	26	29	5	2	3	29	9.7	9.7	9.7	38.7	37.7	41.7	39.4
22	1SV18CS025	Manoranjan P M	20	28	27	20	28	27	5	2	3	32	10.7	10.7	10.7	35.7	40.7	40.7	39.0
23	1SV18CS026	Murfa fathima	24	28	27	24	28	27	5	2	3	33	11.0	11.0	11.0	40.0	41.0	41.0	40.7
24	1SV18CS028	Meghana G S	27	26	27	27	26	27	5	2	3	30	10.0	10.0	10.0	42.0	38.0	40.0	40.0
25	1SV18CS029	Nanda T M	23	26	27	23	26	27	5	2	3	33	11.0	11.0	11.0	39.0	39.0	41.0	39.7
26	1SV18CS030	Pavan Kumar Durgad	20	25	27	20	25	27	5	2	3	12	4.0	4.0	4.0	29.0	31.0	34.0	31.3
27	1SV18CS031	Pragna H S	23	26	27	23	26	27	5	2	3	35	11.7	11.7	11.7	39.7	39.7	41.7	40.4

28	1SV18CS032	Prajwal	22	23	24	22	23	24	5	2	3	36	12.0	12.0	12.0	39.0	37.0	39.0	38.3
29	1SV18CS033	Priyadarshini	28	27	27	28	27	27	5	2	3	38	12.7	12.7	12.7	45.7	41.7	42.7	43.4
30	1SV18CS038	Shradda S	25	27	27	25	27	27	5	2	3	24	8.0	8.0	8.0	38.0	37.0	38.0	37.7
31	1SV18CS042	Sushma H S	25	26	27	25	26	27	5	2	3	24	8.0	8.0	8.0	38.0	36.0	38.0	37.3
32	1SV18CS043	Thungashree	24	26	28	24	26	28	5	2	3	39	13.0	13.0	13.0	42.0	41.0	44.0	42.3
33	1SV18CS045	Vijayalakshmi	15	25	27	15	25	27	5	2	3	26	8.7	8.7	8.7	28.7	35.7	38.7	34.4
34	1SV18CS046	Vivekanand Math	22	27	29	22	27	29	5	2	3	21	7.0	7.0	7.0	34.0	36.0	39.0	36.3
35	1SV19CS400	Shireesha Hegade	24	26	27	24	26	27	5	2	3	46	15.3	15.3	15.3	44.3	43.3	45.3	44.3
36	1SV19CS401	Veena L C	20	26	28	20	26	28	5	2	3	25	8.3	8.3	8.3	33.3	36.3	39.3	36.3
																37.2	37.9	40.3	
																67.6	72.8	76.0	



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

SUBJECT	BIG DATA ANALYSIS	SUBJECT CODE	18CS72
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COURSE OUTCOME

- CO1. Understand fundamentals of Big Data analytics.
- CO2. Investigate Hadoop framework and Hadoop Distributed File system.
- CO3. Illustrate the concepts of NoSQL using MongoDB and Cassandra for Big Data.
- CO4. Demonstrate the MapReduce programming model to process the big data along with Hadoop tools.
- CO5. Use Machine Learning algorithms for real world big data.
- CO6. Analyze web contents and Social Networks to provide analytics with relevant visualization tools.

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: 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. RENUKARADHYA P.C														
BRANCH	CSE	ACADEMIC YEAR					2021-22								
COURSE	B.E	SEMESTER					VII								
SUBJECT	BIG DATA ANALYSIS					SUBJECT CODE					18CS72				

CO & PO MAPPING

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO10	PO11	PO12	PSO 1	PSO 2	PSO 3
CO1	3	2	2									2			
CO2	3	2	2									2			
CO3	3	2	2		1		1		2			2		1	
CO4	3	2	2		1		1		2			2		1	
CO5	3	2			1				2		2		1		
CO6	3	2			1				2		2		1		
AVERAGE	3	2	2		1		1		2		2	2	1	1	
OVERALL MAPPING OF SUBJECT												1.70			

CO AND PO ATTAINMENT

	CO %	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PS O1	PS O2	PS O3
CO1	78.47	2.35	1.56	1.56									1.56			
CO2	78.47	2.35	1.56	1.56									1.56			
CO3	79.67	2.39	1.59	1.59		0.79		0.79		1.59			1.59		0.79	
CO4	79.67	2.39	1.59	1.59		0.79		0.79		1.59			1.59		0.79	
CO5	89.10	2.67	1.78			0.89				1.78		1.78		0.89		
CO6	89.10	2.67	1.78			0.89				1.78		1.78		0.89		
AVERAGE	82.41	2.47	1.64	1.57		0.84		0.69		1.68		1.78	1.57	0.89	0.79	
FINAL ATTAINMENT LEVEL												1.392				

STAFF INCHARGE

[Signature]
 HOD
 COMPUTER SCIENCE & ENGG.
 SIET, TUMAKURU-06.

[Signature]
 PRINCIPAL
 SIET, TUMAKURU-06.

21-22
odd cs

Roll No.	USN	Name	18CSS53: V/021-2 ODD FACULTY: Mr. Renukaradhya P C													18CS53																	
			SUB: BDA			T1 T2 T3						T2 T3				ASSIGNMENT 10/6						SEE(6) SEE						Final					
			T1	T2	T3	CO1-15	CO2-15	CO3-15	CO4-15	CO5-15	CO6-15	CO1-1.66	CO2-1.66	CO3-1.66	CO4-1.66	CO5-1.66	CO6-1.66	CO1-1	CO2-1	CO3-1	CO4-1	CO5-1	CO6-1	01-26	02-26	03-26	04-26	05-26	06-26				
1	1SV17CS011	Chaithra M S	23	25	30	11.5	11.5	12.5	12.5	15	15	1.67	1.67	1.67	1.67	1.67	1.67	56	9.33	9.33	9.33	9.33	9.33	9.33	22.5	22.5	23.5	23.5	26	26			
2	1SV17CS015	Gaganashree T U	23	18	27	11.5	11.5	9	9	13.5	13.5	1.67	1.67	1.67	1.67	1.67	1.67	52	8.67	8.67	8.67	8.67	8.67	8.67	21.8	21.8	19.3	19.3	23.8	23.8			
3	1SV17CS018	Junaid Ulla K han	24	26	27	12	12	13	13	13.5	13.5	1.67	1.67	1.67	1.67	1.67	1.67	59	9.83	9.83	9.83	9.83	9.83	9.83	23.5	23.5	24.5	24.5	25	25			
4	1SV17CS024	Manasa V	23	18	27	11.5	11.5	9	9	13.5	13.5	1.67	1.67	1.67	1.67	1.67	1.67	45	7.5	7.5	7.5	7.5	7.5	7.5	20.7	20.7	18.2	18.2	22.7	22.7			
5	1SV17CS027	Navya S	4	15	21	2	2	7.5	7.5	10.5	10.5	1.67	1.67	1.67	1.67	1.67	1.67	25	4.17	4.17	4.17	4.17	4.17	4.17	7.83	7.83	13.3	13.3	16.3	16.3			
6	1SV17CS034	Raghu ram G K	14	A	24	7	7	0	0	12	12	1.67	1.67	1.67	1.67	1.67	1.67	40	6.67	6.67	6.67	6.67	6.67	6.67	15.3	15.3	8.33	8.33	20.3	20.3			
7	1SV18CS001	Abdullah	24	24	27	12	12	12	12	13.5	13.5	1.67	1.67	1.67	1.67	1.67	1.67	56	9.33	9.33	9.33	9.33	9.33	9.33	23	23	23	23	24.5	24.5			
8	1SV18CS003	Amulya J M	26	27	30	13	13	13.5	13.5	15	15	1.67	1.67	1.67	1.67	1.67	1.67	54	9	9	9	9	9	9	23.7	23.7	24.2	24.2	25.7	25.7			
9	1SV18CS004	Ayush Ranjan Tiwari	18	21	25	9	9	10.5	10.5	12.5	12.5	1.67	1.67	1.67	1.67	1.67	1.67	50	8.33	8.33	8.33	8.33	8.33	8.33	19	19	20.5	20.5	22.5	22.5			
10	1SV18CS005	Basavaraju	24	25	30	12	12	12.5	12.5	15	15	1.67	1.67	1.67	1.67	1.67	1.67	52	8.67	8.67	8.67	8.67	8.67	8.67	22.3	22.3	22.8	22.8	25.3	25.3			
11	1SV18CS007	Bhavya HP	26	27	30	13	13	13.5	13.5	15	15	1.67	1.67	1.67	1.67	1.67	1.67	53	8.83	8.83	8.83	8.83	8.83	8.83	23.5	23.5	24	24	25.5	25.5			
12	1SV18CS008	Chandrashekar T	24	25	30	12	12	12.5	12.5	15	15	1.67	1.67	1.67	1.67	1.67	1.67	57	9.5	9.5	9.5	9.5	9.5	9.5	23.2	23.2	23.7	23.7	26.2	26.2			
13	1SV18CS011	Dharmana Harika	23	23	27	11.5	11.5	11.5	11.5	13.5	13.5	1.67	1.67	1.67	1.67	1.67	1.67	45	7.5	7.5	7.5	7.5	7.5	7.5	20.7	20.7	20.7	20.7	22.7	22.7			
14	1SV18CS014	Enchara M	26	27	30	13	13	13.5	13.5	15	15	1.67	1.67	1.67	1.67	1.67	1.67	55	9.17	9.17	9.17	9.17	9.17	9.17	23.8	23.8	24.3	24.3	25.8	25.8			
15	1SV18CS015	Gagana	18	21	27	9	9	10.5	10.5	13.5	13.5	1.67	1.67	1.67	1.67	1.67	1.67	50	8.33	8.33	8.33	8.33	8.33	8.33	19	19	20.5	20.5	23.5	23.5			
16	1SV18CS017	Ganyakumar G R	27	26	30	13.5	13.5	13	13	15	15	1.67	1.67	1.67	1.67	1.67	1.67	57	9.5	9.5	9.5	9.5	9.5	9.5	24.7	24.7	24.2	24.2	26.2	26.2			
17	1SV18CS019	Hada Amal Khan	24	24	27	12	12	12	12	13.5	13.5	1.67	1.67	1.67	1.67	1.67	1.67	54	9	9	9	9	9	9	22.7	22.7	22.7	22.7	24.2	24.2			
18	1SV18CS021	Keerthiprasad	29	29	30	14.5	14.5	14.5	14.5	15	15	1.67	1.67	1.67	1.67	1.67	1.67	59	9.83	9.83	9.83	9.83	9.83	9.83	26	26	26	26	26.5	26.5			
19	1SV18CS022	Kushal Kumar	27	27	30	13.5	13.5	13.5	13.5	15	15	1.67	1.67	1.67	1.67	1.67	1.67	52	8.67	8.67	8.67	8.67	8.67	8.67	23.8	23.8	23.8	23.8	25.3	25.3			
20	1SV18CS023	Lavanya T A	26	24	27	13	13	12	12	13.5	13.5	1.67	1.67	1.67	1.67	1.67	1.67	46	7.67	7.67	7.67	7.67	7.67	7.67	22.3	22.3	21.3	21.3	22.8	22.8			
21	1SV18CS024	Lisha Shree Nayaka	27	27	28	13.5	13.5	13.5	13.5	14	14	1.67	1.67	1.67	1.67	1.67	1.67	57	9.5	9.5	9.5	9.5	9.5	9.5	24.7	24.7	24.7	24.7	25.2	25.2			
22	1SV18CS025	Manoranjan P M	23	26	30	11.5	11.5	13	13	15	15	1.67	1.67	1.67	1.67	1.67	1.67	56	9.33	9.33	9.33	9.33	9.33	9.33	22.5	22.5	24	24	26	26			
23	1SV18CS026	Murfa fathima	21	26	30	10.5	10.5	13	13	15	15	1.67	1.67	1.67	1.67	1.67	1.67	51	8.5	8.5	8.5	8.5	8.5	8.5	20.7	20.7	23.2	23.2	25.2	25.2			
24	1SV18CS028	Meghana G S	26	18	27	13	13	9	9	13.5	13.5	1.67	1.67	1.67	1.67	1.67	1.67	48	8	8	8	8	8	8	22.7	22.7	18.7	18.7	23.2	23.2			
25	1SV18CS029	Nanda T M	26	26	28	13	13	13	13	14	14	1.67	1.67	1.67	1.67	1.67	1.67	53	8.83	8.83	8.83	8.83	8.83	8.83	23.5	23.5	23.5	23.5	24.5	24.5			
26	1SV18CS030	Pavan Kumar Durgad	8	18	24	4	4	9	9	12	12	1.67	1.67	1.67	1.67	1.67	1.67	28	4.67	4.67	4.67	4.67	4.67	4.67	10.3	10.3	15.3	15.3	18.3	18.3			
27	1SV18CS031	Pragna H S	18	24	27	9	9	12	12	13.5	13.5	1.67	1.67	1.67	1.67	1.67	1.67	48	8	8	8	8	8	8	18.7	18.7	21.7	21.7	23.2	23.2			
28	1SV18CS032	Prajwal	24	26	27	12	12	13	13	13.5	13.5	1.67	1.67	1.67	1.67	1.67	1.67	44	7.33	7.33	7.33	7.33	7.33	7.33	21	21	22	22	22.5	22.5			

29	1SV18CS033	Priyadarshini	27	27	30	13.5	13.5	13.5	13.5	15	15	1.67	1.67	1.67	1.67	1.67	1.67	55	9.17	9.17	9.17	9.17	9.17	9.17	24.3	24.3	24.3	24.3	25.8	25.8	
30	1SV18CS038	Shradda S	24	24	30	12	12	12	12	15	15	1.67	1.67	1.67	1.67	1.67	1.67	52	8.67	8.67	8.67	8.67	8.67	8.67	22.3	22.3	22.3	22.3	25.3	25.3	
31	1SV18CS042	Sushma H S	15	15	27	7.5	7.5	7.5	7.5	13.5	13.5	1.67	1.67	1.67	1.67	1.67	1.67	52	8.67	8.67	8.67	8.67	8.67	8.67	22.3	22.3	22.3	22.3	25.3	25.3	
32	1SV18CS043	Thungashree	25	23	30	12.5	12.5	11.5	11.5	15	15	1.67	1.67	1.67	1.67	1.67	1.67	35	5.83	5.83	5.83	5.83	5.83	5.83	15	15	15	15	21	21	
33	1SV18CS045	Vijayalakshmi	12	18	25	6	6	9	9	12.5	12.5	1.67	1.67	1.67	1.67	1.67	1.67	33	5.5	5.5	5.5	5.5	5.5	5.5	19.7	19.7	18.7	18.7	22.2	22.2	
34	1SV18CS046	Vivekanand Math	23	24	30	11.5	11.5	12	12	15	15	1.67	1.67	1.67	1.67	1.67	1.67	26	4.33	4.33	4.33	4.33	4.33	4.33	12	12	15	15	18.5	18.5	
35	1SV19CS400	Shireesha Hegade	25	24	27	12.5	12.5	12	12	13.5	13.5	1.67	1.67	1.67	1.67	1.67	1.67	52	8.67	8.67	8.67	8.67	8.67	8.67	21.8	21.8	22.3	22.3	25.3	25.3	
36	1SV19CS401	Veena L C	22	24	27	11	11	12	12	13.5	13.5	1.67	1.67	1.67	1.67	1.67	1.67	54	9	9	9	9	9	9	23.2	23.2	22.7	22.7	24.2	24.2	
																		53	8.83	8.83	8.83	8.83	8.83	8.83	21.5	21.5	22.5	22.5	24	24	
																									AVG	20.9	20.9	21.2	21.2	23.8	23.8
																									PERCENT	78.5	78.5	79.7	79.7	89.1	89.1

S. Srinivas Reddy

[Signature]
HOD,
COMPUTER SCIENCE & ENGG.,
SIET, TUMAKURU-06.



Department of Computer Science and Engineering

COURSE OUTCOME

- CO1.** To study the concept of menus, windows, interfaces
- CO2.** To study about business functions
- CO3.** To study the characteristics and components of windows and the various controls for the windows.
- CO4.** To study about various problems in windows design with color, text, graphics
- CO5.** To study the testing methods

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 modelling 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: 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. BASAVESHA D					
BRANCH	CSE	ACADEMIC YEAR			2021-22	
COURSE	B.E	SEMESTER	VII	SECTION		
SUBJECT	USER INTERFACE DESIGN			SUBJECT CODE	18CS734	


CO-PO-PSO Mapping															
COs	Pos												PSOs		
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3
CO1	3	3	3	1	3			2	1	1	1	2	2	2	2
CO2	3	2	1		2				2	1	1	3	3	2	2
CO3	3	2	1	2	2				1	1	2	2	2	2	3
CO4	3	2		2	1				1	1	2	3	2	2	3
CO5	3	2		2	1					1	2	2	2	2	3
Average	3	2.2	1.66	1.75	1.8			2	1.25	1	1.6	2.4	2.2	2	2.6

CO AND PO ATTAINMENT

ATTAINMENT TABLE

COs	AVG	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	73.2	2.19	2.19	2.19	0.73	2.19			1.46	0.73	0.73	0.73	1.46	1.46	1.46	1.46
CO2	71.9	2.15	1.43	0.71		1.43				1.43	0.71	0.71	2.12	2.15	1.46	1.46
CO3	70.5	2.11	1.41	0.70	1.41	1.41				0.70	0.70	1.41	1.41	1.41	1.41	2.11
CO4	77.3	2.31	1.54		1.54	0.77				0.77	0.77	1.54	2.31	1.54	1.54	2.31
CO5	77.5	2.32	1.55		1.55	0.77					0.77	1.55	1.55	1.55	1.55	2.32
AVERAGE		2.21	1.62	1.2	1.30	1.31			1.46	0.90	0.73	1.18	1.71	1.62	1.48	1.93


STAFF INCHARGE


HOD,
COMPUTER SCIENCE & ENG^g.,
SIET, TUMAKURU-06.


PRINCIPAL
SIET, TUMAKURU

18CS734

2021-22

SUB: User Interface De SEM:VII

ODD

Basavesha D

Roll No.	USN	Name	IA		T1	T2		T3		ASSIGNMENT 10/5					EXTERNAL					FINAL					TOTAL AVG																									
			T1	T2	T3	CO1-30	CO2-15	CO3-15	CO4-15	CO5-15	CO1-2	CO2-2	CO3-2	CO4-2	CO5-2	SEE(60)	CO1-12	CO2-12	CO3-12	CO4-12	CO5-12	CO1-44	CO2-29	CO3-29		CO4-29	CO5-29																							
1	1SV17CS011	Chaithra M S	22	23	29	22	12	11	10	9	2	2	2	2	2	45	9	9	9	9	9	33	23	22	21	20	23.8																							
2	1SV17CS015	Gaganashree T U	24	26	28	24	13	13	14	14	2	2	2	2	2	29	5.8	5.8	5.8	5.8	5.8	31.8	20.8	20.8	21.8	21.8	23.4																							
3	1SV17CS018	Junaid Ulla K han	24	26	27	24	13	13	13	14	2	2	2	2	2	33	6.6	6.6	6.6	6.6	6.6	32.6	21.6	21.6	21.6	22.6	24																							
4	1SV17CS024	Manasa V	17	22	27	17	10	11	13	14	2	2	2	2	2	45	9	9	9	9	9	28	21	22	24	25	24																							
5	1SV17CS027	Navya S	AB	17	25	0	10	7	13	12	2	2	2	2	2	16	3.2	3.2	3.2	3.2	3.2	5.2	15.2	12.2	18.2	17.2	13.6																							
6	1SV17CS034	Raghu ram G K	14	19	26	14	10	9	13	13	2	2	2	2	2	30	6	6	6	6	6	22	18	17	21	21	19.8																							
7	1SV18CS001	Abdullah	13	13	27	13	7	6	13	14	2	2	2	2	2	37	7.4	7.4	7.4	7.4	7.4	22.4	16.4	15.4	22.4	23.4	20																							
8	1SV18CS003	Amulya J M	26	28	29	26	14	14	15	14	2	2	2	2	2	27	5.4	5.4	5.4	5.4	5.4	33.4	21.4	21.4	22.4	21.4	24																							
9	1SV18CS004	Ayush Ranjan Tiwa	20	19	24	20	10	9	12	12	2	2	2	2	2	34	6.8	6.8	6.8	6.8	6.8	28.8	18.8	17.8	20.8	20.8	21.4																							
10	1SV18CS005	Basavaraju	22	18	28	22	10	8	14	14	2	2	2	2	2	45	9	9	9	9	9	33	21	19	25	25	24.6																							
11	1SV18CS007	Bhavya HP	29	29	30	29	15	14	15	15	2	2	2	2	2	0	0	0	0	0	0	31	17	16	17	17	19.6																							
12	1SV18CS008	Chandrashekar T	22	28	29	22	14	14	15	14	2	2	2	2	2	45	9	9	9	9	9	33	25	25	26	25	26.8																							
13	1SV18CS011	Dharmana Harika	26	23	27	26	11	12	14	13	2	2	2	2	2	35	7	7	7	7	7	35	20	21	23	22	24.2																							
14	1SV18CS014	Enchara M	29	26	30	29	13	13	15	15	2	2	2	2	2	47	9.4	9.4	9.4	9.4	9.4	40.4	24.4	24.4	26.4	26.4	28.4																							
15	1SV18CS015	Gagana	17	26	29	17	13	13	15	14	2	2	2	2	2	30	6	6	6	6	6	25	21	21	23	22	22.4																							
16	1SV18CS017	Ganyakumar G R	28	29	29	28	15	14	14	15	2	2	2	2	2	44	8.8	8.8	8.8	8.8	8.8	38.8	25.8	24.8	24.8	25.8	28																							
17	1SV18CS019	Hada Amal Khan	27	19	26	27	10	9	13	13	2	2	2	2	2	37	7.4	7.4	7.4	7.4	7.4	36.4	19.4	18.4	22.4	22.4	23.8																							
18	1SV18CS021	Keerthiprasad	28	29	29	28	15	14	15	14	2	2	2	2	2	27	5.4	5.4	5.4	5.4	5.4	35.4	22.4	21.4	22.4	21.4	24.6																							
19	1SV18CS022	Kushal Kumar	28	25	29	28	12	13	15	14	2	2	2	2	2	27	5.4	5.4	5.4	5.4	5.4	35.4	19.4	20.4	22.4	21.4	23.8																							
20	1SV18CS023	Lavanya T A	28	22	25	28	11	11	12	13	2	2	2	2	2	41	8.2	8.2	8.2	8.2	8.2	38.2	21.2	21.2	22.2	23.2	25.2																							
21	1SV18CS024	Lisha Shree Nayak	27	28	29	27	14	14	14	15	2	2	2	2	2	44	8.8	8.8	8.8	8.8	8.8	37.8	24.8	24.8	24.8	25.8	27.6																							
22	1SV18CS025	Manoranjan P M	26	28	29	26	14	14	14	15	2	2	2	2	2	38	7.6	7.6	7.6	7.6	7.6	35.6	23.6	23.6	23.6	24.6	26.2																							
23	1SV18CS026	Murfa fathima	27	26	28	27	13	13	14	14	2	2	2	2	2	32	6.4	6.4	6.4	6.4	6.4	35.4	21.4	21.4	22.4	22.4	24.6																							
24	1SV18CS028	Meghana G S	26	27	26	26	14	13	13	13	2	2	2	2	2	31	6.2	6.2	6.2	6.2	6.2	34.2	22.2	21.2	21.2	21.2	24																							
25	1SV18CS029	Nanda T M	28	27	29	28	14	13	14	15	2	2	2	2	2	40	8	8	8	8	8	38	24	23	24	25	26.8																							
26	1SV18CS030	Pavan Kumar Durg	26	16	19	26	8	8	10	9	2	2	2	2	2	26	5.2	5.2	5.2	5.2	5.2	33.2	15.2	15.2	17.2	16.2	19.4																							
27	1SV18CS031	Pragna H S	14	27	27	14	13	14	14	13	2	2	2	2	2	37	7.4	7.4	7.4	7.4	7.4	23.4	22.4	23.4	23.4	22.4	23																							
28	1SV18CS032	Prajwal	25	24	29	25	12	12	14	15	2	2	2	2	2	24	4.8	4.8	4.8	4.8	4.8	31.8	18.8	18.8	20.8	21.8	22.4																							
29	1SV18CS033	Priyadarshini	29	27	26	29	13	14	13	13	2	2	2	2	2	50	10	10	10	10	10	41	25	26	25	25	28.4																							
30	1SV18CS038	Shradda S	29	27	29	29	13	14	14	15	2	2	2	2	2	28	5.6	5.6	5.6	5.6	5.6	36.6	20.6	21.6	21.6	22.6	24.6																							
31	1SV18CS042	Sushma H S	23	17	25	23	10	7	13	12	2	2	2	2	2	22	4.4	4.4	4.4	4.4	4.4	29.4	16.4	13.4	19.4	18.4	19.4																							
32	1SV18CS043	Thungashree	28	23	27	28	12	11	13	14	2	2	2	2	2	47	9.4	9.4	9.4	9.4	9.4	39.4	23.4	22.4	24.4	25.4	27																							
33	1SV18CS045	Vijayalakshmi	20	14	28	20	7	7	14	14	2	2	2	2	2	37	7.4	7.4	7.4	7.4	7.4	29.4	16.4	16.4	23.4	23.4	21.8																							
34	1SV18CS046	Vivekanand Math	23	27	29	23	15	12	14	15	2	2	2	2	2	33	6.6	6.6	6.6	6.6	6.6	31.6	23.6	20.6	22.6	23.6	24.4																							
35	1SV19CS400	Shiroesha Hegade	24	27	29	24	12	15	14	15	2	2	2	2	2	47	9.4	9.4	9.4	9.4	9.4	35.4	23.4	26.4	25.4	26.4	27.4																							
36	1SV19CS401	Veena L C	22	19	28	22	10	9	14	14	2	2	2	2	2	21	4.2	4.2	4.2	4.2	4.2	28.2	16.2	15.2	20.2	20.2	20																							
																										32.2					20.84					20.5					22.42					22.48				
																										73.2					71.9					70.5					77.3					77.5				

Dr. Jyotsna Shetty
HOD,
COMPUTER SCIENCE & ENGG.,
SIET, TUMAKURU-08.



Department of Computer Science and Engineering

COURSE OUTCOME

- C01.** Define cryptography and its principles
- C02.** Explain Cryptography algorithms
- C03.** Illustrate Public and Private Key cryptography
- C04.** Explain Key management, distribution and certification
- C05.** Explain authentication protocols
- C06.** Tell about IPsec

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 modelling 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. KIRAN G M				
BRANCH	CSE	ACADEMIC YEAR		2021-22	
COURSE	B.E	SEMESTER	VII	SECTION	
SUBJECT	Cryptography			SUBJECT CODE	18CS744

CO-PO-PSO Mapping															
COs	Pos												PSOs		
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3
CO1	2							2				2		2	
CO2		3											2		
CO3					2								2		3
CO4		2													3
CO5													2	2	
CO6													2	2	
Average	2	2.5			2			2				2			

CO AND PO ATTAINMENT

ATTAINMENT TABLE																
COs	AVG	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	77	1.54							1.54			1.54		1.54		
CO2	78.1		2.34											1.56		
CO3	76.5					1.53								1.53		2.29
CO4	80.9		1.61													2.42
CO5	77.9													1.55	1.55	
CO6	78.4													1.56	1.56	
AVERAGE		1.54	1.97			1.53			1.54			1.54		1.54	1.55	2.35

IGr
STAFF INCHARGE

C. S. Shrinath
HOD,
COMPUTER SCIENCE & ENGG.,
SIET, TUMAKURU-08.

Manjunath
PRINCIPAL
SIET, TUMAKURU.

SUB:AUTOMATE THEORY & COMPUTABILITY					KIRAN G.M					SEM/V					2018-1019					TOTAL AVERAGE																									
roll No.	USN	Name	T1					T2					T3					ASSIGNMENT 105					FINAL																						
			T1(30)	T2(30)	T3(30)	CO1-30	CO2-15	CO3-16	CO4-16	CO5-16	CO1-2	CO2-2	CO3-2	CO4-2	CO5-2	SEE(60)	CO1-12	CO2-12	CO3-12		CO4-12	CO5-12	CO1-44	CO2-28	CO3-28	CO4-28	CO5-28																		
1	1SV15CS070	Priya Panda	25	29	28	25	15	14	14	14	2	2	2	2	2	34	6.8	6.8	6.8	6.8	6.8	33.8	23.8	22.8	22.8	22.8	25.2																		
2	1SV17CS001	Abhishek Kumar Prasad	18	27	28	18	14	13	14	14	2	2	2	2	2	31	6.2	6.2	6.2	6.2	6.2	26.2	22.2	21.2	22.2	22.8																			
3	1SV17CS002	Abhishek Pandey	18	27	25	18	14	13	12	13	2	2	2	2	2	30	6	6	6	6	6	26	22	21	20	21	22																		
4	1SV17CS003	Aishwarya Mery E	20	28	28	20	14	14	14	14	2	2	2	2	2	33	6.6	6.6	6.6	6.6	6.6	28.6	22.6	22.6	22.6	23.8																			
5	1SV17CS004	Aman Prasad Kalwar	26	28	28	26	14	14	14	14	2	2	2	2	2	29	5.8	5.8	5.8	5.8	5.8	33.8	21.8	21.8	21.8	24.2																			
6	1SV17CS006	Anupriya Singh	26	30	30	26	15	15	15	15	2	2	2	2	2	29	5.8	5.8	5.8	5.8	5.8	33.8	22.8	22.8	22.8	25																			
7	1SV17CS009	Bhoomika M	16	25	28	16	13	12	14	14	2	2	2	2	2	25	5	5	5	5	5	23	20	19	21	21	20.8																		
8	1SV17CS012	Chandana D Gowda	19	28	28	19	14	14	14	14	2	2	2	2	2	30	6	6	6	6	6	27	22	22	22	22	23																		
9	1SV17CS013	Chethan D	23	28	28	23	14	14	14	14	2	2	2	2	2	33	6.6	6.6	6.6	6.6	6.6	31.6	22.6	22.6	22.6	24.4																			
10	1SV17CS014	Elva Regmi	18	25	28	18	12	13	14	14	2	2	2	2	2	30	6	6	6	6	6	26	20	21	22	22	22.2																		
11	1SV17CS016	Harshitha B A	24	27	28	24	13	14	14	14	2	2	2	2	2	29	5.8	5.8	5.8	5.8	5.8	31.8	20.8	21.8	21.8	21.8	23.6																		
12	1SV17CS017	Harshitha K	16	25	28	16	12	13	14	14	2	2	2	2	2	27	5.4	5.4	5.4	5.4	5.4	23.4	19.4	20.4	21.4	21.4	21.2																		
13	1SV17CS019	Kavya H S	16	28	29	16	14	14	15	14	2	2	2	2	2	31	6.2	6.2	6.2	6.2	6.2	24.2	22.2	22.2	23.2	22.8																			
14	1SV17CS020	Kavyashree Bk	10	26	29	10	13	13	15	14	2	2	2	2	2	27	5.4	5.4	5.4	5.4	5.4	17.4	20.4	20.4	22.4	21.4	20.4																		
15	1SV17CS021	Krupankh D N	24	28	29	24	14	14	14	15	2	2	2	2	2	33	6.6	6.6	6.6	6.6	6.6	29.6	22.6	22.6	23.6	24.2																			
16	1SV17CS023	Manasa N R	21	28	29	21	14	14	15	14	2	2	2	2	2	33	6.6	6.6	6.6	6.6	6.6	29.6	22.6	22.6	23.6	24.2																			
17	1SV17CS025	Mayank Sinha	28	30	28	28	15	15	14	14	2	2	2	2	2	38	7.6	7.6	7.6	7.6	7.6	37.6	24.6	24.6	23.6	26.8																			
18	1SV17CS026	Nanditha	22	27	28	22	14	13	14	14	2	2	2	2	2	28	5.6	5.6	5.6	5.6	5.6	29.6	21.6	20.6	21.6	21.6	23																		
19	1SV17CS029	Nidhi Anand	26	29	28	26	14	15	14	14	2	2	2	2	2	29	5.8	5.8	5.8	5.8	5.8	33.8	21.8	22.8	21.8	21.8	24.4																		
20	1SV17CS030	Nikesh Kumar Tiwari	24	27	27	24	14	13	13	14	2	2	2	2	2	29	5.8	5.8	5.8	5.8	5.8	31.8	21.8	20.8	20.8	21.8	23.4																		
21	1SV17CS031	Noor Aafiya	19	22	28	19	12	10	14	14	2	2	2	2	2	29	5.8	5.8	5.8	5.8	5.8	26.8	19.8	17.8	21.8	21.8	21.6																		
22	1SV17CS032	Prabhamagowda Y P	21	27	14	21	14	13	7	7	2	2	2	2	2	29	5.8	5.8	5.8	5.8	5.8	28.8	21.8	20.8	14.8	14.8	20.2																		
23	1SV17CS035	Rajesh Kumar Kahar	28	29	28	28	15	14	14	14	2	2	2	2	2	33	6.6	6.6	6.6	6.6	6.6	36.6	23.6	22.6	22.6	22.6	25.6																		
24	1SV17CS036	Sabha Khanum	19	26	28	19	13	13	14	14	2	2	2	2	2	31	6.2	6.2	6.2	6.2	6.2	27.2	21.2	21.2	22.2	22.2	22.8																		
25	1SV17CS037	Sadamnd Kumar	12	25	28	12	12	13	14	14	2	2	2	2	2	27	5.4	5.4	5.4	5.4	5.4	19.4	19.4	20.4	21.4	21.4	20.4																		
26	1SV17CS038	Saurabh Pandey	14	25	28	14	13	12	14	14	2	2	2	2	2	28	5.6	5.6	5.6	5.6	5.6	21.6	20.6	19.6	21.6	21.6	21																		
27	1SV17CS039	Tezashree Pokharel	21	29	28	21	15	14	14	14	2	2	2	2	2	33	6.6	6.6	6.6	6.6	6.6	29.6	23.6	22.6	22.6	22.6	24.2																		
28	1SV17CS040	Udaya	28	29	28	28	14	15	14	14	2	2	2	2	2	35	7	7	7	7	7	37	23	24	23	23	26																		
29	1SV17CS041	Vidya C M	14	21	28	14	10	11	14	14	2	2	2	2	2	29	5.8	5.8	5.8	5.8	5.8	21.8	17.8	18.8	21.8	21.8	20.4																		
30	1SV17CS042	Vijay Kumar Jha	23	27	28	23	14	13	14	14	2	2	2	2	2	33	6.6	6.6	6.6	6.6	6.6	31.6	22.6	21.6	22.6	22.6	24.2																		
																					28.713	21.68	21.48	21.88	21.88																				
																					65.3	74.8	74.1	75.4	75.4																				

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H.O.D.
COMPUTER SCIENCE & ENGG.,
SIET, TUMAKURU-08.

2021-22

EVEN SEM

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

COURSE NAME	PROBLEM SOLVING THROUGH PROGRAMMING	COURSE CODE	21PSP23
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COURSE OUTCOME

- CO1:** Elucidate the basic architecture and functionalities of a computer and also recognize the hardware parts.
- CO2:** Apply programming constructs of C language to solve the real world problem .
- CO3:** Explore user-defined data structures like arrays in implementing solutions to problems like searching and sorting
- CO4:** Explore user-defined data structures like structures, unions and pointers in implementing solutions.
- CO5:** Design and Develop Solutions to problems using modular programming constructs using functions.

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, analyse, 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

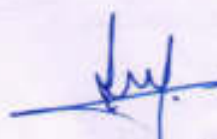
Program Specific Outcomes:

- PSO1:** To create, select, and apply appropriate techniques, resources, modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.
- PSO2:** To manage complex IT projects with consideration of the human, financial, ethical and environmental factors and an understanding of risk management processes and policy implications.
- PSO3:** Acquaint module knowledge on emerging trends of the modern era in Computer Science and Engineering.

COLLEGE	SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY														
FACULTY NAME	PROF. SHANMUKASWAMY C V														
BRANCH	CS			ACADEMIC YEAR						2021-22					
PROGRAM	B.E	SEMESTER			II		SECTION			A [CSE]					
COURSE NAME	PROBLEM SOLVING THROUGH PROGRAMMING						COURSE CODE			21PSP23					
CO & PO MAPPING															
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	2		2			2								
CO2	3	3	3	3	3						3	2		3	
CO3	3	3	3	3	3									3	
CO4	3	3	3	3	3										
CO5	3	3	3	3	3	2	3			2	3	3	3	3	
AVERAGE	3.0	2.8	3.0	2.8	3.0	2.0	2.5			2.0	3.0	2.5	3.0	3.0	
OVERALL MAPPING OF COURSE															

CO AND PO ATTAINMENT

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	77.4	2.32	1.55		1.55			1.55								
CO2	72	2.15	2.15	2.15	2.15	2.15						2.15	1.43		2.15	
CO3	71	2.13	2.13	2.13	2.13	2.13									2.13	
CO4	74	2.21	2.21	2.21	2.21	2.21										
CO5	73	2.19	2.19	2.19	2.19	2.19		2.19			1.46	2.19	2.19	2.19	2.19	
AVERAGE		2.2	2.05	2.17	2.05	2.17		1.87			1.46	2.17	1.81	2.19	2.16	
FINAL ATTAINMENT LEVEL															2.02	


STAFF INCHARGE


PRINCIPAL
SIET, TUMAKUR


HOD,
COMPUTER SCIENCE & ENGG.,
SIET, TUMAKURU-06.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

COsPOsPSOs ATTAINMENT

ACADEMIC YEAR -2021-22[ODD SEM]

CLASS:2nd SEM CSE A

Course Name: PROBLEM SOLVING THROUGH PROGRAMMING [21PSP23]

Roll No.	USN	Name	T1		T2		T3			ASSIGNMENT 10/5					QUIZ 10/5					SEE 50	SEE					Final Co's					
			CO1 20	CO2 10	CO3 10	CO4 10	CO5 10	CO1 2	CO2 2	CO3 2	CO4 2	CO5 2	CO1 2	CO2 2	CO3 2	CO4 2	CO5 2	CO1 10	CO2 10		CO3 10	CO4 10	CO5 10	CO1 34	CO2 24	CO3 24	CO4 24	CO5 24			
1	ISV21CS001	AASTHA PANDEY	17	9	8	7	7	2	2	2	2	2	2	2	2	2	2	2	2	2	18	3	3	3	4	4	24	16	15	15	15
2	ISV21CS002	ABDUL MOHSIN J KHAN	19	7	8	10	10	2	2	2	2	2	2	2	2	2	2	2	2	2	31	6	6	6	6	7	29	17	18	20	21
3	ISV21CS003	ABHINAV DEVARAJ T R	18	5	4	7	6	2	2	2	2	2	2	2	2	2	2	2	2	23	5	4	5	5	4	27	13	13	16	14	
4	ISV21CS004	ABHISHEK RANJAN	10	7	7	8	8	2	2	2	2	2	2	2	2	2	2	1	2	24	5	5	5	5	4	19	16	16	16	16	
5	ISV21CS005	ABRAR AHAMED I	17	8	8	8	7	2	2	2	2	2	2	2	2	2	2	2	2	28	5	5	5	6	6	26	17	17	18	17	
6	ISV21CS006	AJSHWARYA S	15	9	9	10	10	2	2	2	2	2	2	2	2	1	2	2	2	34	7	7	6	7	7	26	19	19	21	21	
7	ISV21CS008	ANANYA M J	15	7	7	9	9	2	2	2	2	2	2	2	2	2	2	2	2	22	5	4	5	4	4	24	15	16	17	17	
8	ISV21CS009	ARSHIYA NAAZ	19	9	10	9	10	2	2	2	2	2	2	2	2	2	2	2	2	18	4	4	3	3	3	27	17	17	16	17	
9	ISV21CS010	BHARATH M H	18	7	7	8	9	2	2	2	2	2	2	2	2	2	2	2	2	32	6	7	6	7	6	28	18	17	19	19	
10	ISV21CS012	BHAVYA A	18	7	7	10	10	2	2	2	2	2	2	2	2	2	2	2	2	34	7	7	7	7	6	29	18	18	21	20	
11	ISV21CS013	BHAVYA S	18	6	6	9	10	2	2	2	2	2	2	2	2	2	2	2	2	29	6	5	6	6	6	28	15	16	19	20	
12	ISV21CS014	BHOOMIKA Y	19	8	8	9	9	2	2	2	2	2	2	2	2	2	2	2	2	36	7	7	7	8	7	30	19	19	21	20	
13	ISV21CS015	BHUVAN G RAMALADA	18	10	9	10	10	2	2	2	2	2	2	2	2	2	2	2	2	26	6	5	5	5	5	28	19	18	19	19	
14	ISV21CS016	BIMMI KUMARI	19	10	10	10	10	2	2	2	2	2	2	2	2	2	2	2	2	38	7	7	8	8	8	30	21	22	22	22	
15	ISV21CS017	BINDHUSHREE R	17	8	7	9	9	2	2	2	2	2	2	2	2	2	2	2	2	20	4	4	4	4	4	25	16	15	17	17	
16	ISV21CS018	CHAITHRA P	18	8	8	10	10	2	2	2	2	2	2	2	2	2	2	2	2	38	8	8	8	7	7	30	20	20	21	21	
17	ISV21CS019	CHAITHRA V	19	6	6	10	10	2	2	2	2	2	2	2	2	2	2	2	2	20	4	4	4	4	4	27	14	14	18	18	
18	ISV21CS020	CHANDANA G	19	9	10	10	10	2	2	2	2	2	2	2	2	2	2	2	2	26	6	5	5	5	5	29	18	19	19	19	
19	ISV21CS021	CHANDANA N H	12	5	4	4	3	2	2	2	2	2	2	2	2	2	2	2	2	9	2	2	2	2	1	18	11	10	9.5	8	
20	ISV21CS022	CHANDU P	19	10	10	10	10	2	2	2	2	2	2	2	2	2	2	2	2	48	10	10	10	9	9	33	24	24	23	23	
21	ISV21CS023	CHITHRA J P	15	8	8	10	9	2	2	2	2	2	2	2	2	2	2	2	2	30	6	6	6	6	6	25	18	18	20	19	
22	ISV21CS024	D P HARSHITHA	14	9	9	9	8	2	2	2	2	2	2	2	2	2	2	2	2	30	6	6	6	6	6	24	19	19	19	18	
23	ISV21CS025	DARSHAN K	20	10	10	10	10	2	2	2	2	2	2	2	2	2	2	2	2	40	8	8	8	8	8	32	22	22	22	22	
24	ISV21CS026	DHANUSH K R	19	10	10	10	10	2	2	2	2	2	2	2	2	2	2	2	2	40	8	8	8	8	8	31	22	22	22	22	
25	ISV21CS027	DHEERAJ S	15	9	8	7	7	2	2	2	2	2	2	2	2	2	2	2	2	23	5	5	5	4	4	24	18	17	15	15	
26	ISV21CS028	DIPENDU KUMBHAKAR	19	8	8	10	10	2	2	2	2	2	2	2	2	2	2	1	2	25	5	5	5	5	5	28	17	17	19	18	
27	ISV21CS029	DIVYA A C	18	9	9	9	9	2	2	2	2	2	2	2	2	2	2	2	2	20	4	4	4	4	4	26	17	17	17	17	
28	ISV21CS030	DIVYA D R	18	9	9	9	8	2	2	2	2	2	2	2	2	2	2	2	2	28	6	6	5	6	5	28	19	18	19	17	
29	ISV21CS031	GAGANA K	14	4	4	0	0	2	2	2	2	2	0	0	0	0	0	0	0	9	2	1	2	2	2	18	7	8	4	4	



Department of Computer Science and Engineering

2021-2022

COURSE OUTCOMES

COURSE: DESIGN AND ANALYSIS OF ALGORITHMS 18CS42

- CO1. Describe computational solution to well known problems like searching, sorting etc.
- CO2. Estimate the computational complexity of different algorithms.
- CO3. Devise an algorithm using appropriate design strategies for problem solving.
- CO4. Test the efficient algorithms using Back Tracking for solving problems

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 modelling 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: recognition of the need for, and an ability to engage in, to resolve Contemporary issues and acquire lifelong learning.



Sri Shridevi Charitable Trust (R.)
SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY
 Sira Road, Tumkur - 572 106, Karnataka, India.

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Email: info@shrideviengineering.org, principal@shrideviengineering.org | Website: www.shrideviengineering.org

(Approved by AICTE, New Delhi, Recognised by Govt. of Karnataka and Affiliated to Visvesvaraya Technological University, Belagavi)

ESTD: 2002



COLLEGE		SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY															
FACULTY NAME		Mr. CHETHAN M S															
BRANCH		CSE				ACADEMIC YEAR				2021-2022							
COURSE	B.E	SEMESTER				IV		SECTION									
SUBJECT	DESIGN AND ANALYSIS OF ALGORITHMS						SUBJECT CODE				18CS42						

CO & PO MAPPING

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	2	1	2	-	-	-	-	-	-	-	2	1	-	1
CO2	3	2	1	2	-	-	-	-	-	-	-	2	1	-	2
CO3	3	2	3	3	-	-	-	-	-	-	-	2	1	-	2
CO4	3	2	3	2	-	-	-	-	-	-	-	2	1	-	2
AVG	3.0	2.0	2.0	2.2	-	-	-	-	-	-	-	2.0	1.0	-	1.7
OVERALL MAPPING OF SUBJECT												1.98			

CO AND PO ATTAINMENT

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	60.42	1.81	1.20	0.60	1.20	-	-	-	-	-	-	-	1.20	0.60	-	0.60
CO2	57.40	1.72	1.14	0.57	1.14	-	-	-	-	-	-	-	1.14	0.57	-	1.14
CO3	56.19	1.68	1.12	1.68	1.68	-	-	-	-	-	-	-	1.12	0.56	-	1.12
CO4	61.59	1.84	1.23	1.84	1.23	-	-	-	-	-	-	-	1.23	0.61	-	1.23
AVERAGE	58.9	1.76	1.17	1.17	1.31	-	-	-	-	-	-	-	1.17	0.58	-	1.0
FINAL ATTAINMENT LEVEL													1.16			

Chethan M S
STAFF INCHARGE

Cv Janakiramaiah
HOD,
COMPUTER SCIENCE & ENGG.,
SIET, TUMAKURU-06.

Manjunath
PRINCIPAL
SIET, TUMAKURU.

Department of Computer Science and Engineering

COURSE INSTRUCTOR: Prof. CHETHAN M S			COURSE CODE:18CS42		COURSE: DESIGN AND ANALYSIS OF ALGORITHMS				SEM: IV SEM		2021-2022 EVEN SEM				TOTAL STRENGTH :54				CSE			
Roll No.	USN	Name	T1-30	T2-30	T3-30	T1 T2 T3				ASSIGNMENT-10				SEE-60M				FINAL				SEE
						CO1-08	CO2-11	CO3-15	CO4-06	CO1-2.1	CO2-2.2	CO3-2.3	CO4-2.4	CO1-15	CO2-15	CO3-15	CO4-15	CO1-47.5	CO2-32.5	CO3-32.5	CO4-47.5	
1	1SV20CS001	ANUSHA B S	29	16	22	29	8	8	22	2.5	2.5	2.5	2.5	6.25	6.25	6.25	6.25	37.75	16.75	16.75	30.75	25
2	1SV20CS002	ANUSHA R	12	17	22	12	9	8	22	2.5	2.5	2.5	2.5	10.25	10.25	10.25	10.25	24.75	21.25	20.75	34.75	41
3	1SV20CS003	ASFA KHANUM	28	17	26	28	9	8	26	2.5	2.5	2.5	2.5	10.75	10.75	10.75	10.75	41.25	22.25	21.25	39.25	43
4	1SV20CS004	ASHA	26	16	25	26	8	8	25	2.5	2.5	2.5	2.5	10.25	10.25	10.25	10.25	38.75	20.75	20.75	37.75	41
5	1SV20CS005	ASHWINI S	30	23	26	30	12	11	26	2.5	2.5	2.5	2.5	8.75	8.75	8.75	8.75	41.25	23.25	22.25	37.25	35
6	1SV20CS006	BORISH KONGBRAILATPAM	29	30	29	29	15	15	29	2.5	2.5	2.5	2.5	10.5	10.5	10.5	10.5	42	28	28	42	42
7	1SV20CS007	DHEERAJ KUMAR P	17	14	20	17	7	7	20	2.5	2.5	2.5	2.5	7.75	7.75	7.75	7.75	27.25	17.25	17.25	30.25	31
8	1SV20CS008	DIBESH SRESTHA	8	15	28	8	8	7	28	2.5	2.5	2.5	2.5	9	9	9	9	19.5	19.5	18.5	30.5	36
9	1SV20CS009	EMILY LAURA	22	30	28	22	15	15	28	2.5	2.5	2.5	2.5	12	12	12	12	36.5	29.5	29.5	42.5	48
10	1SV20CS010	G MALINGARAYA	30	26	20	30	13	13	20	2.5	2.5	2.5	2.5	8.75	8.75	8.75	8.75	41.25	34.25	34.25	31.25	35
11	1SV20CS011	GIRISHA V	18	20	14	18	10	10	14	2.5	2.5	2.5	2.5	6	6	6	6	26.5	18.5	18.5	22.5	24
12	1SV20CS012	H R ABHINANDAN	26	11	21	26	6	5	21	2.5	2.5	2.5	2.5	5.25	5.25	5.25	5.25	33.75	13.75	12.75	28.75	21
13	1SV20CS013	HABIBULLA SADIK MULLA	17	20	17	17	10	10	17	2.5	2.5	2.5	2.5	7.5	7.5	7.5	7.5	27	20	20	27	30
14	1SV20CS014	HARSHITHA T A	30	25	30	30	13	12	30	2.5	2.5	2.5	2.5	9.75	9.75	9.75	9.75	42.25	25.25	24.25	42.25	38
15	1SV20CS015	JAHDUL ISLAM	26	4	25	26	2	2	25	2.5	2.5	2.5	2.5	9.25	9.25	9.25	9.25	37.75	13.75	13.75	36.75	27
16	1SV20CS016	JAYANTH D S	18	19	18	18	10	9	18	2.5	2.5	2.5	2.5	5.75	5.75	5.75	5.75	26.25	18.25	17.25	26.25	23
17	1SV20CS017	KAVYA M	17	24	24	17	12	12	24	2.5	2.5	2.5	2.5	7.5	7.5	7.5	7.5	27	22	22	34	30
18	1SV20CS018	KEERTHANA KUMBAR	10	14	19	10	7	7	19	2.5	2.5	2.5	2.5	8.25	8.25	8.25	8.25	20.75	17.75	17.75	29.75	33
19	1SV20CS019	M P SHISHIER	2	13	10	2	7	6	10	2.5	2.5	2.5	2.5	0.75	0.75	0.75	0.75	5.25	10.25	9.25	13.25	3
20	1SV20CS020	MADHURA SHREE M	17	5	16	17	3	2	16	2.5	2.5	2.5	2.5	6.5	6.5	6.5	6.5	26	12	11	25	26
21	1SV20CS021	MAJMAANJUM	24	26	23	24	13	13	23	2.5	2.5	2.5	2.5	9.25	9.25	9.25	9.25	35.75	24.75	24.75	34.75	37
22	1SV20CS022	MAMATHA K	19	9	22	19	5	4	22	2.5	2.5	2.5	2.5	7	7	7	7	28.5	14.5	13.5	31.5	28
23	1SV20CS023	MANOJ KUMAR PATIL	20	23	12	20	12	11	12	2.5	2.5	2.5	2.5	6.75	6.75	6.75	6.75	29.25	21.25	20.25	21.25	27
24	1SV20CS024	MANTESH H RANGARADDI	17	17	22	17	9	8	22	2.5	2.5	2.5	2.5	7.5	7.5	7.5	7.5	27	19	18	32	30
25	1SV20CS025	MOHAMMED NABIL	17	8	17	17	4	4	17	2.5	2.5	2.5	2.5	3.75	3.75	3.75	3.75	33.25	10.25	10.25	23.25	15
26	1SV20CS026	MOHAMMED OWAIS KHAN	14	0	12	14	0	0	12	2.5	2.5	2.5	2.5	3.25	3.25	3.25	3.25	19.75	5.75	5.75	17.75	13
27	1SV20CS028	MONIKA A	15	18	22	15	9	9	22	2.5	2.5	2.5	2.5	7	7	7	7	24.5	18.5	18.5	31.5	26
28	1SV20CS029	MYTHRI B N	21	12	17	21	6	6	17	2.5	2.5	2.5	2.5	7	7	7	7	30.5	15.5	15.5	36.5	28
29	1SV20CS030	NANDINI T S	-	-	-	-	-	-	-	-	-	-	-	0	0	0	0	0	0	0	0	0
30	1SV20CS031	NAYANA D G	23	26	27	23	13	13	27	2.5	2.5	2.5	2.5	8.75	8.75	8.75	8.75	34.25	24.25	24.25	38.25	35
31	1SV20CS032	NETHRA PRASAD D R	12	8	14	12	4	4	14	2.5	2.5	2.5	2.5	5.5	5.5	5.5	5.5	30	12	12	22	22
32	1SV20CS033	PARTHA H R	14	17	13	14	9	8	13	2.5	2.5	2.5	2.5	7.25	7.25	7.25	7.25	23.75	18.75	17.75	22.75	29
33	1SV20CS034	PUSHPRAJ	26	23	20	26	12	11	20	2.5	2.5	2.5	2.5	8.25	8.25	8.25	8.25	36.75	22.75	21.75	30.75	33
34	1SV20CS035	RAHUL AJITH KUMBAR	20	26	22	20	13	13	22	2.5	2.5	2.5	2.5	9	9	9	9	31.5	24.5	24.5	33.5	36

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35	ISV20C3036	ROUSHANI BEGUM	21	20	19	21	10	10	19	2.5	2.5	2.5	2.5	8	8	8	8	31.5	20.5	20.5	20.5	32	
36	ISV20CS037	SADASHISH KUMAR BHOKTA	30	30	30	30	15	15	30	2.5	2.5	2.5	2.5	8.75	8.75	8.75	8.75	41.25	26.25	26.25	41.25	35	
37	ISV20CS038	SAGAR S K	5	0	17	5	0	0	17	1.5	1.5	1.5	1.5	0.75	0.75	0.75	0.75	7.25	2.25	2.25	19.25	3	
38	ISV20CS039	SANIYA SARDAR	26	12	16	26	6	6	16	2.5	2.5	2.5	2.5	5.25	5.25	5.25	5.25	33.75	13.75	13.75	23.75	21	
39	ISV20CS040	SEKH FARDEEN	18	14	11	18	7	7	11	2.5	2.5	2.5	2.5	7	7	7	7	27.5	16.5	16.5	20.5	28	
40	ISV20CS041	SHAIK RABBANI	9	11	13	9	6	5	13	2.5	2.5	2.5	2.5	6.25	6.25	6.25	6.25	17.75	14.75	13.75	21.75	25	
41	ISV20CS042	SHARIBA FIRDOSE	16	16	19	16	8	8	19	2.5	2.5	2.5	2.5	7.25	7.25	7.25	7.25	25.75	17.75	17.75	28.75	29	
42	ISV20CS043	SHASHIREKHA M	6	7	7	6	4	3	7	2.5	2.5	2.5	2.5	0	0	0	0	8.5	6.5	5.5	9.5	0	
43	ISV20CS045	SHRAVANAKUMARA T	21	15	26	21	8	7	26	2.5	2.5	2.5	2.5	10.25	10.25	10.25	10.25	33.75	20.75	19.75	38.75	41	
44	ISV20CS046	SIDHANT PANDIT	3	4	11	3	2	2	11	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	8	7	7	16	10	
45	ISV20CS047	SMRITI DEWANGAN	29	22	26	29	11	11	26	2.5	2.5	2.5	2.5	9.5	9.5	9.5	9.5	41	21	21	38	38	
46	ISV20CS048	SOUVIK KARAK	20	25	20	20	13	12	20	2.5	2.5	2.5	2.5	8.25	8.25	8.25	8.25	30.75	23.75	22.75	30.75	33	
47	ISV20CS049	SRIKIRAN B	12	14	11	12	7	7	11	1.75	1.75	1.75	1.75	6.5	6.5	6.5	6.5	20.25	15.25	15.25	19.25	26	
48	ISV20CS050	SUSHMITHA K	26	28	26	26	14	14	26	2.5	2.5	2.5	2.5	8.25	8.25	8.25	8.25	36.75	24.75	24.75	36.75	33	
49	ISV20CS051	TEJASHWINI R	18	21	8	18	11	10	8	2.5	2.5	2.5	2.5	5.5	5.5	5.5	5.5	26	19	18	16	22	
50	ISV20CS052	TEJESHWAR T R	18	6	5	18	3	3	5	2.5	2.5	2.5	2.5	3.75	3.75	3.75	3.75	24.25	9.25	9.25	11.25	15	
51	ISV20CS053	USHA B N	27	25	30	27	13	12	30	2.5	2.5	2.5	2.5	8	8	8	8	37.5	23.5	22.5	40.5	32	
52	ISV20CS054	VAISHNAVI BHUSHAN	30	30	30	30	15	15	30	2.5	2.5	2.5	2.5	12	12	12	12	44.5	29.5	29.5	44.5	48	
53	ISV20CS055	VARSHITHA T N	12	23	26	12	12	11	26	2.5	2.5	2.5	2.5	8	8	8	8	22.5	22.5	21.5	36.5	32	
54	ISV20CS056	VENKATESH DALAWAI	30	30	27	30	15	15	27	2.5	2.5	2.5	2.5	11.5	11.5	11.5	11.5	44	29	29	41	48	
																		AVG	28.7037037	18.37057	17.981481	29.25925926	
																		%	60.4288499	57.407407	56.19213	61.59844055	

Chetan M.S
CHETAN M.S

Dr. Hanumanth Kumar
HOD,
COMPUTER SCIENCE & ENGG.,
SIET, TUMAKURU-08.



Department of Computer Science and Engineering

COURSE OUTCOME

- CO1.** Understand the concepts of OS, the basic principles used in the design of modern operating system and process.
- CO2.** Understand the concepts of threads and mechanisms for synchronization.
- CO3.** Understand the concepts related to deadlock and memory management.
- CO4.** Understand the concepts of virtual memory management, file system.

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 modelling 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.

Ex

COLLEGE	SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY					
FACULTY NAME	Mr. KIRAN G M					
BRANCH	CSE	ACADEMIC YEAR			2021-22	
COURSE	B.E	SEMESTER	IV	SECTION		
SUBJECT	OPERATING SYSTEMS			SUBJECT CODE	18CS43	

CO-PO-PSO Mapping															
COs	Pos												PSOs		
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3
CO1	1											2		2	
CO2	1	1										2		2	
CO3	1	1										2		2	
CO4	1	1										2		2	
Average	1.0	1.0										2.0		2.0	

CO AND PO ATTAINMENT

ATTAINMENT TABLE																
COs	AVG	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	65	0.65											1.3		1.3	
CO2	63	0.63	0.63										1.26		1.26	
CO3	64	0.64	0.64										1.28		1.28	
CO4	71	0.71	0.71										1.42		1.42	
AVERAGE		0.65	0.66										1.31		1.31	

Kg
STAFF INCHARGE

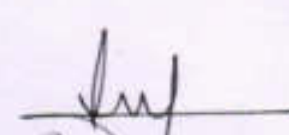
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COMPUTER SCIENCE & ENGG..
SIET, TUMAKURU-06.

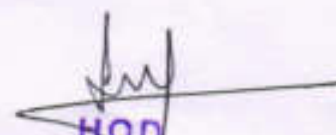
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PRINCIPAL
SIET, TUMAKURU

COLLEGE	SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY														
FACULTY NAME	PROF. SHANMUKASWAMY C V														
BRANCH	CS	ACADEMIC YEAR								2021-22					
PROGRAM	B . E	SEMESTER	IV	SECTION	A [CSE]										
COURSE NAME	OBJECT ORIENTED CONCEPTS							COURSE CODE			18CS45				
CO & PO MAPPING															
	PO 1	PO 2	PO3	PO 4	PO5	PO 6	PO7	PO8	PO 9	PO1 0	PO1 1	PO1 2	PSO 1	PSO 2	PSO3
CO1	3	3	3												
CO2	3	3	3	3	3		2	3		3		2	3	2	
CO3	3	3	3	2	3		1	2		3		2	2	2	
AVERAGE	3 . 0	3.0	3.0	2.5	3.0		1.5	2.5		3.0		2.0	2.5	2.0	
OVERALL MAPPING OF COURSE															2.54

CO AND PO ATTAINMENT

	CO%	PO1	PO2	PO3	PO4	PO5	PO 6	PO 7	PO8	PO 9	PO1 0	PO1 1	PO1 2	PSO 1	PSO 2	PSO 3
CO1	63.2	1.9	1.9	1.9												
CO2	69.5	2.1	2.1	2.1	2.1	2.1		1.4	2.1		2.1		1.4	2.1	1.4	
CO3	61.4	1.8	1.8	1.8	1.2	1.8		0.6	1.2		1.8		1.2	1.2	1.2	
AVERAGE		1.93	1.93	1.93	1.65	1.95		1.05	1.65		1.95		1.3	1.65	1.3	
FINAL ATTAINMENT LEVEL																1.66


 Prof. Shanmukaswamy
 C V
 STAFF INCHARGE


 HOD
 COMPUTER SCIENCE
 SIET, TUMAKURU


 PRINCIPAL
 SIET, TUMAKURU

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
COsPOs ATTAINMENT ^{Even}
ACADEMIC YEAR -2021-22[~~ODD~~ SEM]

CLASS:4th SEM CSE A

Course Name: Object Oriented Concepts[18CS45]

Roll No.	USN	Name	T1	T2	T3		ASSIGNMENT 10/3			SEE(60)			Final			Attainm ent [stud]	
			CO1 30	CO2 30	CO2 15	CO3 15	CO1 3	CO2 4	CO3 3	SEE (60)	CO1 20	CO2 20	CO3 20	CO1 53	CO2 69		CO3 38
1	1SV20CS001	ANUSHA B S	18	27	14	13	3	4	3	21	7	7	7	28	52	23	64
2	1SV20CS002	ANUSHA R	29	30	15	14	3	4	3	21	7	7	7	39	56	24	74
3	1SV20CS003	ASFA KHANUM	24	29	14	14	3	4	3	29	10	10	9	37	57	26	75
4	1SV20CS004	ASHA	24	27	15	15	3	4	3	21	7	7	7	34	53	25	70
5	1SV20CS005	ASHWINI S	29	30	15	15	3	4	3	36	12	12	12	44	61	30	84
6	1SV20CS006	BORISH KONGBRILATPAM	28	28	15	15	3	4	3	21	7	7	7	38	54	25	73
7	1SV20CS007	DHEERAJ KUMAR P	17	20	15	10	3	4	3	24	8	8	8	28	47	21	60
8	1SV20CS008	DIBESH SRESTHA	18	24	15	11	3	4	3	23	8	8	7	29	51	21	63
9	1SV20CS009	EMILY LAURA	24	24	15	13	3	4	3	21	7	7	7	34	50	23	67
10	1SV20CS010	G MALINGARAYA	27	28	14	13	3	4	3	21	7	7	7	37	53	23	71
11	1SV20CS011	GIRISHA V	19	24	12	10	3	4	3	23	7	8	8	29	48	21	61
12	1SV20CS012	H R ABHINANDAN	25	26	11	12	3	4	3	24	8	8	8	36	49	23	68
13	1SV20CS013	HABIBULLA SADIK MULLA	25	27	11	12	3	4	3	30	10	10	10	38	52	25	72
14	1SV20CS014	HARSHITHA T A	29	27	15	15	3	4	3	41	14	14	13	46	60	31	86
15	1SV20CS015	JAHIDUL ISLAM	23	28	13	13	3	4	3	30	10	10	10	36	55	26	73
16	1SV20CS016	JAYANTH D S	17	20	10	8	3	4	3	21	7	7	7	27	41	18	54
17	1SV20CS017	KAVYA M	21	30	15	14	3	4	3	24	8	8	8	32	57	25	71
18	1SV20CS018	KEERTHANA KUMBAR	23	21	4	7	3	4	3	22	7	7	8	33	36	18	54
19	1SV20CS019	M P SHISHIER	6	9	9	6	3	4	3	1	1	0	0	10	22	9	26
20	1SV20CS020	MADHURA SHREE M	29	29	14	14	3	4	3	49	16	16	17	48	63	34	91
21	1SV20CS021	MAJMAANJUM	16	20	10	10	3	4	3	30	10	10	10	29	44	23	60
22	1SV20CS022	MAMATHA K	15	20	15	13	3	4	3	42	14	14	14	32	53	30	72
23	1SV20CS023	MANOJ KUMAR PATIL	25	26	10	10	3	4	3	35	12	12	11	40	52	24	73
24	1SV20CS024	MANTESH H RANGARADDI	21	28	15	13	3	4	3	21	7	7	7	31	54	23	68
25	1SV20CS025	MOHAMMED NABIL	9	18	8	10	3	4	3	24	8	8	8	20	38	21	49
26	1SV20CS026	MOHAMMED OWAIS KHAN	11	14	10	13	3	4	3	17	6	5	6	20	33	22	47

Prof. P. S. Srinivasan

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27	1SV20CS027	MOMIN PASHA	AB	AB	AB	AB	AB	AB	AB	AB	0	0	0	0	0	0	0
28	1SV20CS028	MONIKA A	18	14	12	15	3	4	3	9	3	3	3	24	33	21	49
29	1SV20CS029	MYTHRI B N	26	26	12	13	3	4	3	14	5	4	5	34	46	21	63
30	1SV20CS030	NANDINI T S	AB	AB	AB	AB	AB	AB	AB	AB	0	0	0	0	0	0	0
31	1SV20CS031	NAYANA D G	26	17	12	12	3	4	3	24	8	8	8	37	41	23	63
32	1SV20CS032	NETHRA PRASAD D R	26	5	10	3	3	4	3	5	1	2	2	30	21	8	37
33	1SV20CS033	PARTHA H R	20	6	6	7	3	4	3	15	5	5	5	28	21	15	40
34	1SV20CS034	PUSHPRAJ	24	27	12	13	3	4	3	36	12	12	12	39	55	28	76
35	1SV20CS035	RAHUL AJITH KUMBAR	29	29	15	14	3	4	3	29	10	9	10	42	57	27	79
36	1SV20CS036	ROUSHANI BEGUM	26	29	12	14	3	4	3	28	10	9	9	39	54	26	74
37	1SV20CS037	SADASHISH KUMAR BHOKTA	30	29	14	15	3	4	3	35	12	11	12	45	58	30	83
38	1SV20CS038	SAGAR S K	16	19	10	13	3	4	3	5	1	2	2	20	35	18	46
39	1SV20CS039	SANIYA SARDAR	19	26	10	13	3	4	3	30	10	10	10	32	50	26	68
40	1SV20CS040	SEKH FARDEEN	18	27	13	12	3	4	3	15	5	5	5	26	49	20	59
41	1SV20CS041	SHAIK RABBANI	24	13	10	9	3	4	3	17	5	6	6	32	33	18	52
42	1SV20CS042	SHARIBA FIRDOSE	17	20	10	9	3	4	3	17	6	5	5	26	39	17	51
43	1SV20CS043	SHASHIREKHA M	23	23	11	11	3	4	3	AB	0	0	0	0	0	0	0
44	1SV20CS045	SHRAVANAKUMARA T	29	29	13	15	3	4	3	36	12	12	12	44	58	30	83
45	1SV20CS046	SIDHANT PANDIT	17	22	10	12	3	4	3	24	8	8	8	28	44	23	59
46	1SV20CS047	SMRITI DEWANGAN	29	21	14	12	3	4	3	31	10	10	10	42.3	49.3	25.3	73
47	1SV20CS048	SOUVIK KARAK	21	27	10	10	3	4	3	36	12	12	12	36	53	25	71
48	1SV20CS049	SRIKIRAN B	14	10	5	3	3	4	3	22	7	7	8	24	26	14	40
49	1SV20CS050	SUSHMITHA K	23	30	15	15	3	4	3	21	7	7	7	33	56	25	71
50	1SV20CS051	TEJASHWINI R	27	26	8	4	3	4	3	AB	0	0	0	0	0	0	0
51	1SV20CS052	TEJESHWAR T R	24	21	12	14	3	4	3	8	2	3	3	29	40	20	56
52	1SV20CS053	USHA B N	26	27	14	14	3	4	3	28	9	10	10	38	55	27	75
53	1SV20CS054	VAISHNAVI BHUSHAN	29	30	15	15	3	4	3	47	16	16	15	48	65	33	91
54	1SV20CS055	VARSHITHA T N	20	29	15	14	3	4	3	21	7	7	7	30	55	24	68
55	1SV20CS056	VENKATESH DALAWAJ	29	30	14	15	3	4	3	43	14	15	14	46	63	32	88

33.5	48	23.3
51	51	51
63.2	69.5	61.4

Attainment

[Signature]
HOD,
COMPUTER SCIENCE
SIET, TUMAKURU

[Signature]
Prof. Phani Kumar Swamy



Department of Computer Science and Engineering

COURSE OUTCOME

- C01.** Comprehend the transmission technique of digital data between two or more computers and a Computer network that allows computers to exchange data.
- C02.** Explain with the basics of data communication and various types of computer networks
- C03.** Demonstrate Medium Access Control protocols for reliable and noisy channels
- C04.** Expose wireless and wired LANs.

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 modelling 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: 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. AYESHA KHANUM					
BRANCH	CSE	ACADEMIC YEAR			2021-22	
COURSE	B.E	SEMESTER	IV	SECTION		
SUBJECT	DATA COMMUNICATION			SUBJECT CODE	18CS46	

CO-PO-PSO Mapping															
COs	Pos												PSOs		
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3
CO1	2												2		
CO2	2	2											2		
CO3	2	2										2	1		1
CO4	2	2											1		1
Average	2	2										2	1.5		1

CO AND PO ATTAINMENT

ATTAINMENT TABLE																
COs	AVG	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	78.5	1.57												1.57		
CO2	62.2	1.24	1.24											1.24		
CO3	61.8	1.23	1.23										1.23	0.61		0.61
CO4	94.4	1.88	1.88											0.94		0.94
AVERAGE		1.48	1.45										1.23	1.09		0.7



STAFF INCHARGE

Cv Sharmada Singh
H.O.D.
COMPUTER SCIENCE & ENGG.,
SIET, TUMAKURU-06.

Principals
PRINCIPAL
SIET, TUMAKURU-06

18CS46

2021-22

SEM:IV

EVEN

SUB:DC

Ayesha Khanum

Roll No.	USN	Name	T1				T2				T3				ASSIGNMENT 10/4				EXTERNAL				FINAL				TOTAL
			T1	T2	T3	CO1-	CO2-	CO3-	CO4-	CO1-	CO2-	CO3-	CO4-	CO1-	CO2-	CO3-	CO4-	SEE(6)	CO1-	CO2-	CO3-	CO4-	CO1-	CO2-	CO3-	CO4-	
1	1SV20CS001	ANUSHA B S	22	21	22	22	11	10	22	3	2	2	3	33	8.3	8.3	8.3	8.3	33.3	21.3	20.3	33.3	27.05				
2	1SV20CS002	ANUSHA R	21	24	26	21	12	12	26	3	2	2	3	29	7.3	7.3	7.3	7.3	31.3	21.3	21.3	36.3	27.55				
3	1SV20CS003	ASFA KHANUM	20	25	29	20	13	12	29	3	2	2	3	40	10	10	10	10	33	25	24	42	31				
4	1SV20CS004	ASHA	26	23	26	26	11	12	26	3	2	2	3	34	8.5	8.5	8.5	8.5	37.5	21.5	22.5	37.5	29.75				
5	1SV20CS005	ASHWINI S	24	27	29	24	14	13	29	3	2	2	3	30	7.5	7.5	7.5	7.5	34.5	23.5	22.5	39.5	30				
6	1SV20CS006	BORISH KONGBRAI	27	24	29	27	12	12	29	3	2	2	3	40	10	10	10	10	40	24	24	42	32.5				
7	1SV20CS007	DHEERAJ KUMAR P	5	26	21	5	13	13	21	3	2	2	3	24	6	6	6	6	14	21	21	30	21.5				
8	1SV20CS008	DIBESH SRESTHA	21	22	27	21	11	11	27	3	2	2	3	36	9	9	9	9	33	22	22	39	29				
9	1SV20CS009	EMILY LAURA	26	24	25	26	12	12	25	3	2	2	3	33	8.3	8.3	8.3	8.3	37.3	22.3	22.3	36.3	29.55				
10	1SV20CS010	G MALINGARAYA	21	29	21	21	15	14	21	3	2	2	3	42	10.5	10.5	10.5	10.5	34.5	27.5	26.5	34.5	30.75				
11	1SV20CS011	GIRISHA V	13	21	11	13	10	11	11	3	2	2	3	15	3.8	3.8	3.8	3.8	19.8	15.8	16.8	17.8	17.55				
12	1SV20CS012	H R ABHINANDAN	18	25	21	18	12	13	21	3	2	2	3	23	5.8	5.8	5.8	5.8	26.8	19.8	20.8	29.8	24.3				
13	1SV20CS013	HABIBULLA SADIK	18	18	22	18	8	10	22	3	2	2	3	29	7.3	7.3	7.3	7.3	28.3	17.3	19.3	32.3	24.3				
14	1SV20CS014	HARSHITHA T A	25	28	28	25	14	14	28	3	2	2	3	33	8.3	8.3	8.3	8.3	36.3	24.3	24.3	39.3	31.05				
15	1SV20CS015	JAHDUL ISLAM	23	20	29	23	10	10	29	3	2	2	3	31	7.8	7.8	7.8	7.8	33.8	19.8	19.8	39.8	28.3				
16	1SV20CS016	JAYANTH D S	24	23	19	24	12	11	19	3	2	2	3	31	7.8	7.8	7.8	7.8	34.8	21.8	20.8	29.8	26.8				
17	1SV20CS017	KAVYA M	23	28	27	23	14	14	27	3	2	2	3	26	6.5	6.5	6.5	6.5	32.5	22.5	22.5	36.5	28.5				
18	1SV20CS018	KEERTHANA KUMAR	AB	21	24	0	10	11	24	3	2	2	3	26	6.5	6.5	6.5	6.5	9.5	18.5	19.5	33.5	20.25				
19	1SV20CS019	M P SHISHIER	2	19	15	2	10	9	15	3	2	2	3	5	1.3	1.3	1.3	1.3	6.3	13.3	12.3	19.3	12.8				
20	1SV20CS020	MADHURA SHREE S	20	29	30	20	15	14	30	3	2	2	3	36	9	9	9	9	32	26	25	42	31.25				
21	1SV20CS021	MAJMAANUM	23	24	24	23	12	12	24	3	2	2	3	36	9	9	9	9	35	23	23	36	29.25				
22	1SV20CS022	MAMATHA K	20	20	29	20	10	10	29	3	2	2	3	21	5.3	5.3	5.3	5.3	28.3	17.3	17.3	37.3	25.05				
23	1SV20CS023	MANOJ KUMAR PA	16	24	24	16	12	12	24	3	2	2	3	30	7.5	7.5	7.5	7.5	26.5	21.5	21.5	34.5	26				
24	1SV20CS024	MANTESH H RANGA	16	21	25	16	10	11	25	3	2	2	3	0	0	0	0	0	19	12	13	28	18				
25	1SV20CS025	MOHAMMED NABI	10	23	15	10	11	12	15	3	2	2	3	21	5.3	5.3	5.3	5.3	18.3	18.3	19.3	23.3	19.8				
26	1SV20CS026	MOHAMMED OWAI	15	20	12	15	10	10	12	3	2	2	3	23	5.8	5.8	5.8	5.8	23.8	17.8	17.8	20.8	20.05				
27	1SV20CS027	MOMIN PASHA	AB	AB	AB	0	0	0	0	3	2	2	3	0	0	0	0	0	3	2	2	3	2.5				
28	1SV20CS028	MONIKA A	12	20	18	12	10	10	18	3	2	2	3	22	5.5	5.5	5.5	5.5	20.5	17.5	17.5	26.5	20.5				
29	1SV20CS029	MYTHRI B N	20	24	15	20	12	12	15	3	2	2	3	23	5.8	5.8	5.8	5.8	28.8	19.8	19.8	23.8	23.05				
30	1SV20CS030	NANDINI T S	AB	AB	AB	0	0	0	0	3	2	2	3	0	0	0	0	0	3	2	2	3	2.5				
31	1SV20CS031	NAYANA D G	24	28	18	24	14	14	18	3	2	2	3	26	6.5	6.5	6.5	6.5	33.5	22.5	22.5	27.5	26.5				
32	1SV20CS032	NETHRA PRASAD D	AB	17	23	0	13	14	23	3	2	2	3	21	5.3	5.3	5.3	5.3	8.3	20.3	21.3	31.3	20.3				
33	1SV20CS033	PARTHA H R	8	16	24	8	14	12	24	3	2	2	3	17	4.3	4.3	4.3	4.3	15.3	20.3	18.3	31.3	21.3				
34	1SV20CS034	PUSHPRAJ	26	21	26	26	11	10	26	3	2	2	3	33	8.3	8.3	8.3	8.3	37.3	21.3	20.3	37.3	29.05				

35	1SV20CS035	RAHUL AJITH KUM	23	26	26	23	13	13	26	3	2	2	3	38	9.5	9.5	9.5	9.5	35.5	24.5	24.5	38.5	30.75						
36	1SV20CS036	ROUSHANI BEGUM	AB	26	16	0	13	13	16	3	2	2	3	29	7.3	7.3	7.3	7.3	10.3	22.3	22.3	26.3	20.3						
37	1SV20CS037	SADASHISH KUMAR	AB	25	27	0	13	12	27	3	2	2	3	41	10.3	10.3	10.3	10.3	13.3	25.3	24.3	40.3	25.8						
38	1SV20CS038	SAGAR S K	3	26	19	3	13	13	19	3	2	2	3	3	0.8	0.8	0.8	0.8	6.8	15.8	15.8	22.8	15.3						
39	1SV20CS039	SANIYA SARDAR	20	27	26	20	14	13	26	3	2	2	3	44	11	11	11	11	34	27	26	40	31.75						
40	1SV20CS040	SEKH FARDEEN	15	21	21	15	11	10	21	3	2	2	3	27	6.8	6.8	6.8	6.8	24.8	19.8	18.8	30.8	23.55						
41	1SV20CS041	SHAIK RABBANI	15	22	16	15	11	11	16	3	2	2	3	21	5.3	5.3	5.3	5.3	23.3	18.3	18.3	24.3	21.05						
42	1SV20CS042	SHARIBA FIRDOSE	19	21	25	19	11	10	25	3	2	2	3	23	5.8	5.8	5.8	5.8	27.8	18.8	17.8	33.8	24.55						
43	1SV20CS043	SHASHIREKHA M	15	15	24	15	13	12	24	3	2	2	3	0	0	0	0	0	18	15	14	27	18.5						
44	1SV20CS045	SHRAVANAKUMAR	18	24	20	18	12	12	20	3	2	2	3	38	9.5	9.5	9.5	9.5	30.5	23.5	23.5	32.5	27.5						
45	1SV20CS046	SIDHANT PANDIT	22	15	15	22	13	12	15	3	2	2	3	25	6.3	6.3	6.3	6.3	31.3	21.3	20.3	24.3	24.3						
46	1SV20CS047	SMRITI DEWANGAN	23	19	22	23	15	14	22	3	2	2	3	21	5.3	5.3	5.3	5.3	31.3	22.3	21.3	30.3	26.3						
47	1SV20CS048	SOUVIK KARAK	21	27	15	21	13	14	15	3	2	2	3	22	5.5	5.5	5.5	5.5	29.5	20.5	21.5	23.5	23.75						
48	1SV20CS049	SRIKIRAN B	16	18	19	16	8	10	19	3	2	2	3	27	6.8	6.8	6.8	6.8	25.8	16.8	18.8	28.8	22.55						
49	1SV20CS050	SUSHMITHA K	28	18	27	28	10	8	27	3	2	2	3	32	8	8	8	8	39	20	18	38	28.75						
50	1SV20CS051	TEJASHWINI R	AB	27	27	0	13	14	27	3	2	2	3	21	5.3	5.3	5.3	5.3	8.3	20.3	21.3	35.3	21.3						
51	1SV20CS052	TEJESHWAR T R	15	29	27	15	15	14	27	3	2	2	3	21	5.3	5.3	5.3	5.3	23.3	22.3	21.3	35.3	25.55						
52	1SV20CS053	USHA B N	24	23	28	24	12	11	28	3	2	2	3	47	11.8	11.8	11.8	11.8	38.8	25.8	24.8	42.8	33.05						
53	1SV20CS054	VAISHNAVI BHUSH	24	24	29	24	12	12	29	3	2	2	3	51	12.8	12.8	12.8	12.8	39.8	26.8	26.8	44.8	34.55						
54	1SV20CS055	VARSHITHA T N	26	24	24	26	12	12	24	3	2	2	3	33	8.3	8.3	8.3	8.3	37.3	22.3	22.3	35.3	29.3						
55	1SV20CS056	VENKATESH DALA	30	26	26	30	13	13	26	3	2	2	3	32	8	8	8	8	41	23	23	37	31						
																			25.92	19.90	19.77	31.14							
																			78.5	62.2	61.8	94.4							



Department of Computer Science and Engineering

COURSE OUTCOME

- CO1. Define System Software.
- CO2. Familiarize with source file, object file and executable file structures and libraries
- CO3. Describe the front-end and back-end phases of compiler and their importance to students

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 modelling to complex engineering activities.
- PO6 The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues.
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- 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: 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. KAVYASHREE					
BRANCH	CSE	ACADEMIC YEAR			2021-22	
COURSE	B.E	SEMESTER	VI	SECTION	A	
SUBJECT	SYSTEM SOFTWARE AND COMPILERS			SUBJECT CODE	18CS61	

CO-PO-PSO Mapping															
COs	Pos												PSOs		
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3
CO1	3	2											2	3	2
CO2	3	3	2										2	3	3
CO3	3	3	1										2	3	3
Average	3	2.66	1.5										2	3	2.66

CO AND PO ATTAINMENT

ATTAINMENT TABLE

COs	AVG	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	59.8	1.79	1.19											1.19	1.79	1.19
CO2	62.7	1.88	1.88	1.25										1.25	1.88	1.88
CO3	71.7	2.13	2.13	0.71										1.42	2.13	2.13
AVERAGE		1.93	1.73	0.98										1.28	1.93	1.73

Cv. Anurag Singh
 HOD,
 COMPUTER SCIENCE & ENG.
 SIET, TUMAKURU-08.

Manjunath
 PRINCIPAL
 SIET, TUMAKURU.

Kavyashree

STAFF INCHARGE

18CS61

MRS.KAVYASHREE

2021-22 EVEN

SEM: VI A

SS&CD

Roll No.	USN	Name	IA			T1	T2	T3	ASSIGNMENT 10/3			SEE			Final			TOTAL	
			T1	T2	T3	CO1-30	CO2-30	CO3-30	CO1-4	CO2-2	CO3-4	SEE	CO1-20	CO2-20	CO3-20	CO1-54	CO2-52		CO3-54
1	1SV19CS001	AFREEN AFSHAN	21	14	27	21	14	27	4	2	4	23	7.67	7.67	7.67	32.7	23.7	38.7	31.7
2	1SV19CS003	AKASH KUMAR SINGH	21	28	23	21	28	23	4	2	4	33	11.00	11.00	11.00	36.0	41.0	38.0	38.3
3	1SV19CS004	AKHIL N	0	0	0	0	0	0	4	2	4	0	0.00	0.00	0.00	4.0	2.0	4.0	3.3
4	1SV19CS005	AKSHATHA M	17	21	23	17	21	23	4	2	4	33	11.00	11.00	11.00	32.0	34.0	38.0	34.7
5	1SV19CS006	AMRIT GYAWALI	15	20	30	15	20	30	4	2	4	30	10.00	10.00	10.00	29.0	32.0	44.0	35.0
6	1SV19CS007	ANKITHA K	20	20	30	20	20	30	4	2	4	34	11.33	11.33	11.33	35.3	33.3	45.3	38.0
7	1SV19CS008	ANUSHA B	23	23	30	23	23	30	4	2	4	44	14.67	14.67	14.67	41.7	39.7	48.7	43.3
8	1SV19CS009	ARBIN TAJ	21	21	20	21	21	20	4	2	4	0	0.00	0.00	0.00	25.0	23.0	24.0	24.0
9	1SV19CS011	ASHRITH P	20	15	27	20	15	27	4	2	4	22	7.33	7.33	7.33	31.3	24.3	38.3	31.3
10	1SV19CS013	AYESHA SALEEM	28	22	23	28	22	23	4	2	4	32	10.67	10.67	10.67	42.7	34.7	37.7	38.3
11	1SV19CS014	BHAGYASHREE	20	20	21	20	20	21	4	2	4	6	2.00	2.00	2.00	26.0	24.0	27.0	25.7
12	1SV19CS015	BHAGYASHREE G	29	23	30	29	23	30	4	2	4	45	15.00	15.00	15.00	48.0	40.0	49.0	45.7
13	1SV19CS016	BHARATHI H	24	23	26	24	23	26	4	2	4	27	9.00	9.00	9.00	37.0	34.0	39.0	36.7
14	1SV19CS017	BHARGAV N	0	0	0	0	0	0	4	2	4	0	0.00	0.00	0.00	4.0	2.0	4.0	3.3
15	1SV19CS018	BHAVANA C	28	29	30	28	29	30	4	2	4	38	12.67	12.67	12.67	44.7	43.7	46.7	45.0
16	1SV19CS019	BHOJANNA AJAY	5	10	15	5	10	15	4	2	4	21	7.00	7.00	7.00	16.0	19.0	26.0	20.3
17	1SV19CS020	BHOOMIKA J N	21	21	21	21	21	21	4	2	4	21	7.00	7.00	7.00	32.0	30.0	32.0	31.3
18	1SV19CS021	BHUVANESHWARI	28	28	27	28	28	27	4	2	4	45	15.00	15.00	15.00	47.0	45.0	46.0	46.0
19	1SV19CS022	BHUVANESHWARI A	20	27	30	20	27	30	4	2	4	29	9.67	9.67	9.67	33.7	38.7	43.7	38.7
20	1SV19CS023	CHETHAN V	16	23	27	16	23	27	4	2	4	29	9.67	9.67	9.67	29.7	34.7	40.7	35.0
21	1SV19CS024	DARSHAN K N	0	0	0	0	0	0	4	2	4	0	0.00	0.00	0.00	4.0	2.0	4.0	3.3
22	1SV19CS025	DEEKSHA K	24	24	30	24	24	30	4	2	4	48	16.00	16.00	16.00	44.0	42.0	50.0	45.3
23	1SV19CS026	DHANUSH K	0	0	0	0	0	0	4	2	4		0.00	0.00	0.00	4.0	2.0	4.0	3.3
24	1SV19CS027	DISHAN M	19	21	29	19	21	29	4	2	4	38	12.67	12.67	12.67	35.7	35.7	45.7	39.0
25	1SV19CS028	DULARCHAND KALWAR	16	20	27	16	20	27	4	2	4	30	10.00	10.00	10.00	30.0	32.0	41.0	34.3
26	1SV19CS029	ESRA BANU	20	20	30	20	20	30	4	2	4	41	13.67	13.67	13.67	37.7	35.7	47.7	40.3
27	1SV19CS030	GAYITHRIDEVI K M	21	21	30	21	21	30	4	2	4	33	11.00	11.00	11.00	36.0	34.0	45.0	38.3
28	1SV19CS031	GOUDAR ROHIT RENU	10	23	30	10	23	30	4	2	4	13	4.33	4.33	4.33	18.3	29.3	38.3	28.7
29	1SV19CS032	H BARKATHULLA	23	26	29	23	26	29	4	2	4	36	12.00	12.00	12.00	39.0	40.0	45.0	41.3
30	1SV19CS033	HARISHA M R	14	29	21	14	29	21	4	2	4	42	14.00	14.00	14.00	32.0	45.0	39.0	38.7
31	1SV19CS034	HARSHITHA C	25	26	27	25	26	27	4	2	4	51	17.00	17.00	17.00	46.0	45.0	48.0	46.3
32	1SV19CS035	HEMANTH K R	21	29	30	21	29	30	4	2	4	46	15.33	15.33	15.33	40.3	46.3	49.3	45.3

33	1SV19CS036	J N SHREYAS	22	15	27	22	15	27	4	2	4	11	3.67	3.67	3.67	29.7	20.7	34.7	28.3	
34	1SV19CS037	JYOTI MOHAN MADIWALAR	20	26	30	20	26	30	4	2	4	34	11.33	11.33	11.33	35.3	39.3	45.3	40.0	
35	1SV19CS038	KALPANA M N	24	15	27	24	15	27	4	2	4	26	8.67	8.67	8.67	36.7	25.7	39.7	34.0	
36	1SV19CS040	LAVANYA T S	26	29	25	26	29	25	4	2	4	38	12.67	12.67	12.67	42.7	43.7	41.7	42.7	
37	1SV19CS041	MADHAVA REDDY M	3	27	18	3	27	18	4	2	4	32	10.67	10.67	10.67	17.7	39.7	32.7	30.0	
38	1SV19CS042	MAHALAKSHMI H	15	18	29	15	18	29	4	2	4	21	7.00	7.00	7.00	26.0	27.0	40.0	31.0	
39	1SV19CS043	MONIKA P	14	15	23	14	15	23	4	2	4	27	9.00	9.00	9.00	27.0	26.0	36.0	29.7	
40	1SV19CS044	MONISHA P	17	26	27	17	26	27	4	2	4	44	14.67	14.67	14.67	35.7	42.7	45.7	41.3	
41	1SV19CS045	NAGAKRUPA D R	21	20	28	21	20	28	4	2	4	39	13.00	13.00	13.00	38.0	35.0	45.0	39.3	
42	1SV19CS046	NANDAN KUMAR M	18	17	29	18	17	29	4	2	4	23	7.67	7.67	7.67	29.7	26.7	40.7	32.3	
43	1SV19CS047	NANDINI A	27	27	27	27	27	27	4	2	4	37	12.33	12.33	12.33	43.3	41.3	43.3	42.7	
44	1SV19CS048	NAYANA H S	22	29	29	22	29	29	4	2	4	35	11.67	11.67	11.67	37.7	42.7	44.7	41.7	
45	1SV19CS050	NIKKI KISHORE	26	29	30	26	29	30	4	2	4	48	16.00	16.00	16.00	46.0	47.0	50.0	47.7	
46	1SV19CS051	NOOR JAHAN	21	20	21	21	20	21	4	2	4	27	9.00	9.00	9.00	34.0	31.0	34.0	33.0	
47	1SV19CS052	PRAMOD R	17	27	25	17	27	25	4	2	4	39	13.00	13.00	13.00	34.0	42.0	42.0	39.3	
48	1SV19CS053	PRIYA R ACHARYA	26	29	30	26	29	30	4	2	4	42	14.00	14.00	14.00	44.0	45.0	48.0	45.7	
49	1SV19CS054	RAHUL S	21	20	21	21	20	21	4	2	4	28	9.33	9.33	9.33	34.3	31.3	34.3	33.3	
50	1SV19CS055	RAJAN KUMAR PATEL	18	23	36	18	23	36	4	2	4	15	5.00	5.00	5.00	27.0	30.0	45.0	34.0	
51	1SV19CS056	RAKSHITH B R	21	23	21	21	23	21	4	2	4	32	10.67	10.67	10.67	35.7	35.7	35.7	35.7	
52	1SV19CS057	RAVINDRA H V	26	28	30	26	28	30	4	2	4	51	17.00	17.00	17.00	47.0	47.0	51.0	48.3	
53	1SV19CS058	S ANKITHA	20	26	36	20	26	36	4	2	4	49	16.33	16.33	16.33	40.3	44.3	56.3	47.0	
54	1SV19CS059	SAHANA B R	21	21	20	21	21	20	4	2	4	21	7.00	7.00	7.00	32.0	30.0	31.0	31.0	
55	1SV19CS060	SAHANA SHARANAPPA GULARADDI	14	28	21	14	28	21	4	2	4	32	10.67	10.67	10.67	28.7	40.7	35.7	35.0	
56	1SV19CS061	SAI KISHAN M R	12	15	24	12	15	24	4	2	4	29	9.67	9.67	9.67	25.7	26.7	37.7	30.0	
57	1SV19CS062	SANIHA C	21	20	28	21	20	28	4	2	4	23	7.67	7.67	7.67	32.7	29.7	39.7	34.0	
58	1SV19CS063	SANTHOSH C	0	15	19	0	15	19	4	2	4	0	0.00	0.00	0.00	4.0	17.0	23.0	14.7	
59	1SV19CS064	SATYAM KUMAR CHAUBE	23	10	26	23	10	26	4	2	4	33	11.00	11.00	11.00	38.0	23.0	41.0	34.0	
60	1SV19CS065	SHAFIYA KHANUM	23	23	26	23	23	26	4	2	4	38	12.67	12.67	12.67	39.7	37.7	42.7	40.0	
																32.28	32.6	38.4		
																59.8	62.7	71.1		



Department of Computer Science and Engineering

COURSE OUTCOME

- CO1. Define System Software.
- CO2. Familiarize with source file, object file and executable file structures and libraries
- CO3. Describe the front-end and back-end phases of compiler and their importance to students
- CO4. Decide suitable hardware and software for developing graphics packages using OpenGL.

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 modelling 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: 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. VEENA N D					
BRANCH	CSE	ACADEMIC YEAR			2021-22	
COURSE	B.E	SEMESTER	VI	SECTION	A	
SUBJECT	COMUTER GRAPHICS AND VISUALIZATION			SUBJECT CODE	18CS62	

CO-PO-PSO Mapping															
COs	Pos												PSOs		
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3
CO1	3	2											2	3	2
CO2	3	3	2										2	3	3
CO3	3	3	1										2	3	3
CO4	3	3	1										2	3	3
Average	3	2.75	1.33										2	3	3

CO AND PO ATTAINMENT

ATTAINMENT TABLE																
COs	AVG	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	57.9	1.73	1.15											1.15	1.73	1.15
CO2	62.7	1.88	1.88	1.25										1.25	1.88	1.88
CO3	61.4	1.84	1.84	0.61										1.22	1.84	1.84
CO4	72.7	2.18	2.18	0.72										1.45	2.18	1.18
AVERAGE		1.90	1.76	0.87										1.26	1.90	1.76

Veena N.D
STAFF INCHARGE

Veena N.D
H.O.D.
COMPUTER SCIENCE & ENGG.,
SIET, TUMAKURU-06.

Manjunath
PRINCIPAL
SIET, TUMAKURU

Roll No.	USN	Name	18CS62			2021-22				Sem: VI 'B'				EVEN				SUB: CG				FACULTY: Mrs. Veena N D				TO TAL AV G
			IA			T1	T2			T3	ASSIGNMENT 10/4				EXTERNAL				Final							
			T1	T2	T3	CO1-30	CO2-15	CO3-15	CO4-30	CO1-3	CO2-2	CO3-2	CO4-3	SEE (60)	CO1-15	CO2-15	CO3-15	CO4-15	CO1-48	CO2-32	CO3-32	CO4-48				
1	1SV19CS001	AFREEN AFSHAN	15	29	24	15	15	14	24	3	2	2	3	32	8	8	8	8	26	25	24	35	27.5			
2	1SV19CS003	AKASH KUMAR SINGH	17	15	29	17	7	8	29	3	2	2	3	36	9	9	9	9	29	18	19	41	26.8			
3	1SV19CS004	AKHIL N	AB	AB	AB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
4	1SV19CS005	AKSHATHA M	21	20	27	21	10	10	27	3	2	2	3	21	5.3	5.3	5.3	5.3	29.3	17.3	17.3	35.3	24.8			
5	1SV19CS006	AMRIT GYAWALI	20	29	30	20	19	10	30	3	2	2	3	36	9	9.5	9.5	9.5	32	30.5	21.5	42.5	31.0			
6	1SV19CS007	ANKITHA K	18	23	23	18	10	13	23	3	2	2	3	21	5.3	5.3	5.3	5.3	26.3	17.3	20.3	31.3	23.8			
7	1SV19CS008	ANUSHA B	23	23	30	23	15	8	30	3	2	2	3	38	9.5	9.5	9.5	9.5	35.5	26.5	19.5	42.5	31			
8	1SV19CS009	ARBIN TAJ	12	0	23	12	0	0	23	3	2	2	3	7	1.8	1.8	1.8	1.8	16.8	3.8	3.8	27.8	13.1			
9	1SV19CS011	ASHRITH P	11	4	26	11	2	2	26	3	2	2	3	25	6.3	6.3	6.3	6.3	20.3	10.3	10.3	35.3	19.1			
10	1SV19CS013	AYESHA SALEEM	17	23	21	17	12	11	21	3	2	2	3	31	7.8	7.8	7.8	7.8	27.8	21.8	20.8	31.8	25.6			
11	1SV19CS014	BHAGYASHREE	5	11	16	5	6	5	16	3	2	2	3	3	0.8	0.8	0.8	0.8	8.8	8.8	7.8	19.8	11.3			
12	1SV19CS015	BHAGYASHREE G	30	30	30	30	15	15	30	3	2	2	3	36	9	9	9	9	42	26	26	42	34			
13	1SV19CS016	BHARATHI H	11	29	23	11	14	15	23	3	2	2	3	25	6.3	6.3	6.3	6.3	20.3	22.3	23.3	32.3	24.6			
14	1SV19CS017	BHARGAV N	AB	AB	AB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
15	1SV19CS018	BHAVANA C	25	23	27	25	10	13	27	3	2	2	3	32	8	8	8	8	36	20	23	38	29.3			
16	1SV19CS019	BHOJANNA AJAY	12	AB	20	12	0	0	20	3	2	2	3	21	5.3	5.3	5.3	5.3	20.3	7.3	7.3	28.3	15.8			
17	1SV19CS020	BHOOMIKA J N	13	20	29	13	10	10	29	3	2	2	3	30	7.5	7.5	7.5	7.5	23.5	19.5	19.5	39.5	25.5			
18	1SV19CS021	BHUVANESHWARI	30	30	30	30	15	15	30	3	2	2	3	35	8.8	8.8	8.8	8.8	41.8	25.8	25.8	41.8	33.8			
19	1SV19CS022	BHUVANESHWARI A	20	20	30	20	10	10	30	3	2	2	3	30	7.5	7.5	7.5	7.5	30.5	19.5	19.5	40.5	27.5			
20	1SV19CS023	CHEZHAN V	22	29	30	22	14	15	30	3	2	2	3	38	9.5	9.5	9.5	9.5	34.5	25.5	26.5	42.5	32.3			
21	1SV19CS024	DARSHAN K N	AB	AB	AB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
22	1SV19CS025	DEEKSHA K	27	29	30	27	15	14	30	3	2	2	3	42	10.5	10.5	10.5	10.5	40.5	27.5	26.5	43.5	34.5			
23	1SV19CS026	DHANUSH K	AB	AB	AB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
24	1SV19CS027	DISHAN M	23	30	30	23	15	15	30	3	2	2	3	21	5.3	5.3	5.3	5.3	31.3	22.3	22.3	38.3	28.6			
25	1SV19CS028	DULARCHAND KALWAR	12	11	26	12	6	5	26	3	2	2	3	21	5.3	5.3	5.3	5.3	20.3	13.3	12.3	34.3	20.1			
26	1SV19CS029	ESRA BANU	23	26	30	23	15	11	30	3	2	2	3	36	9	9	9	9	35	26	22	42	31.3			
27	1SV19CS030	GAYITHRIDEVI K M	26	25	30	26	15	10	30	3	2	2	3	41	10.3	10.3	10.3	10.3	39.3	27.3	22.3	43.3	33.1			
28	1SV19CS031	GOUDAR ROHIT RENU	14	9	29	14	6	3	29	3	2	2	3	33	8.3	8.3	8.3	8.3	25.3	16.3	13.3	40.3	23.8			
29	1SV19CS032	H BARKATHULLA	16	25	30	16	15	10	30	3	2	2	3	42	10.5	10.5	10.5	10.5	29.5	27.5	22.5	43.5	30.8			

30	1SV19CS033	HARISHA M R	22	17	29	22	9	8	29	3	2	2	3	43	10.8	10.8	10.8	10.8	35.8	21.8	20.8	42.8	30.3	
31	1SV19CS034	HARSHITHA C	30	30	30	30	15	15	30	3	2	2	3	39	9.8	9.8	9.8	9.8	42.8	26.8	26.8	42.8	34.8	
32	1SV19CS035	HEMANTH K R	29	23	29	29	10	13	29	3	2	2	3	30	7.5	7.5	7.5	7.5	39.5	19.5	22.5	39.5	30.3	
33	1SV19CS036	J N SHREYAS	26	24	24	26	14	10	24	3	2	2	3	23	5.8	5.8	5.8	5.8	34.8	21.8	17.8	32.8	26.8	
34	1SV19CS037	JYOTI MOHAN MADHVALAD	23	18	21	23	9	9	21	3	2	2	3	41	10.3	10.3	10.3	10.3	36.3	21.3	21.3	34.3	28.3	
35	1SV19CS038	KALPANA M N	23	30	23	23	15	15	23	3	2	2	3	37	9.3	9.3	9.3	9.3	35.3	26.3	26.3	35.3	30.8	
36	1SV19CS040	LAVANYA T S	20	26	30	20	15	11	30	3	2	2	3	39	9.8	9.8	9.8	9.8	32.8	26.8	22.8	42.8	31.3	
37	1SV19CS041	MADHAVA REDDY M	20	26	23	20	11	15	23	3	2	2	3	38	9.5	9.5	9.5	9.5	32.5	22.5	26.5	35.5	29.3	
38	1SV19CS042	MAHALAKSHMI H	24	17	21	24	8	9	21	3	2	2	3	24	6	6	6	6	33	16	17	30	24	
39	1SV19CS043	MONIKA P	17	24	25	17	12	12	25	3	2	2	3	32	8	6.8	6.8	6.8	28	20.8	20.8	34.8	26.1	
40	1SV19CS044	MONISHA P	14	24	29	14	11	13	29	3	2	2	3	18	4.5	4.5	4.5	4.5	21.5	17.5	19.5	36.5	23.8	
41	1SV19CS045	NAGAKRUPA D R	23	26	27	23	15	11	27	3	2	2	3	38	9.5	9.5	9.5	9.5	35.5	26.5	22.5	39.5	31	
42	1SV19CS046	NANDAN KUMAR M	13	20	23	13	10	10	23	3	2	2	3	24	6	6	6	6	22	18	18	32	22.5	
43	1SV19CS047	NANDINI A	20	24	29	20	10	14	29	3	2	2	3	45	11.3	11.3	11.3	11.3	34.3	23.3	27.3	43.3	32.1	
44	1SV19CS048	NAYANA H S	16	23	26	16	10	13	26	3	2	2	3	26	6.5	6.8	6.8	6.8	25.5	18.8	21.8	35.8	25.5	
45	1SV19CS050	NIKKI KISHORE	30	28	30	30	14	14	30	3	2	2	3	39	9.8	12.5	12.5	12.5	42.8	28.5	28.5	45.5	36.3	
46	1SV19CS051	NOOR JAHAN	12	21	27	12	10	11	27	3	2	2	3	23	5.8	5.8	5.8	5.8	20.8	17.8	18.8	35.8	23.3	
47	1SV19CS052	PRAMOD R	11	23	26	11	10	13	26	3	2	2	3	32	8	8	8	8	22	20	23	37	25.5	
48	1SV19CS053	PRIYA R ACHARYA	29	30	30	29	15	15	30	3	2	2	3	42	10.5	10.5	10.5	10.5	42.5	27.5	27.5	43.5	35.3	
49	1SV19CS054	RAHUL S	10	20	20	10	10	10	20	3	2	2	3	33	8.3	8.3	8.3	8.3	21.3	20.3	20.3	31.3	23.3	
50	1SV19CS055	RAJAN KUMAR PATEL	8	26	29	8	15	11	29	3	2	2	3	29	7.3	7.3	7.3	7.3	18.3	24.3	20.3	39.3	25.6	
51	1SV19CS056	RAKSHITH B R	29	23	30	29	10	13	30	3	2	2	3	29	7.3	7.3	7.3	7.3	39.3	19.3	22.3	40.3	30.3	
52	1SV19CS057	RAVINDRA H V	30	30	30	30	15	15	30	3	2	2	3	42	10.5	10.5	10.5	10.5	43.5	27.5	27.5	43.5	35.5	
53	1SV19CS058	S ANKITHA	17	30	30	17	15	15	30	3	2	2	3	39	9.8	9.8	9.8	9.8	29.8	26.8	26.8	42.8	31.6	
54	1SV19CS059	SAHANA B R	17	13	23	17	10	13	23	3	2	2	3	21	5.3	5.3	5.3	5.3	25.3	17.3	20.3	31.3	23.6	
55	1SV19CS060	SAHANA SHARANAPPA CHALABADU	14	25	27	14	15	10	27	3	2	2	3	29	7.3	7.3	7.3	7.3	24.3	24.3	19.3	37.3	26.3	
56	1SV19CS061	SAI KISHAN M R	11	27	26	11	15	12	26	3	2	2	3	26	6.5	8.5	8.5	8.5	20.5	25.5	22.5	37.5	26.5	
57	1SV19CS062	SANIHA C	14	27	13	14	12	15	13	3	2	2	3	21	5.3	5.3	5.3	5.3	22.3	19.3	22.3	21.3	21.3	
58	1SV19CS063	SANTHOSH C	9	7	17	9	3	4	17	3	2	2	3	21	5.3	5.3	5.3	5.3	17.3	10.3	11.3	25.3	16.1	
59	1SV19CS064	SATYAM KUMAR CHAUB	11	28	27	11	15	13	27	3	2	2	3	47	11.8	11.8	11.8	11.8	25.8	28.8	26.8	41.8	30.8	
60	1SV19CS065	SHAFIYA KHANUM	14	30	29	14	15	15	29	3	2	2	3	35	8.8	8.8	8.8	8.8	25.8	25.8	25.8	40.8	29.6	
																			27.6	19.9	19.5	34.7		
																			PER	57.9%	62.7%	61.4%	72.8%	



Department of Computer Science and Engineering

COURSE OUTCOME

- CO1.** Adapt HTML and CSS syntax and semantics to build web pages.
- CO2.** Construct and visually format tables and forms using HTML and CSS
- CO3.** Develop Client-Side Scripts using JavaScript and Server-Side Scripts using PHP to generate and display the contents dynamically.
- CO4.** Appraise the principles of object oriented development using PHP
- CO5.** Inspect JavaScript frameworks like jQuery and Backbone which facilitates developer to focus on core features

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 modelling 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: 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. BASAVESHA D					
BRANCH	CSE	ACADEMIC YEAR			2021-22	
COURSE	B.E	SEMESTER	VI	SECTION	A	
SUBJECT	WEB TECHNOLOGY AND ITS APPLICATIONS			SUBJECT CODE	18CS69	

CO-PO-PSO Mapping															
COs	Pos												PSOs		
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3
CO1	1		2									2	2	1	2
CO2	1		2									2	2	1	2
CO3	1		2									2	2	1	2
CO4	1		2									2	2	1	2
CO5	1		2									2	2	1	2
Average	1		2									2	2	1	2

CO AND PO ATTAINMENT

ATTAINMENT TABLE																
COs	AVG	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	50.3	0.50		1.00									1.00	1.00	0.50	1.00
CO2	54.0	0.54		1.08									1.08	1.08	0.54	1.08
CO3	52.2	0.52		1.04									1.04	1.04	0.52	1.04
CO4	66.1	0.66		1.32									1.32	1.32	0.66	1.32
CO5	66.0	0.66		1.32									1.32	1.32	0.66	1.32
AVERAGE		0.57		1.15									1.15	1.15	0.57	1.15


STAFF INCHARGE


HOD,
COMPUTER SCIENCE & ENGG.,
SIET, TUMAKURU-06.


PRINCIPAL
SIET, TUMAKURU.

Ro. No.	USN	Name	18CS63					2021-22					SUB: WTA					m:VI'A'					EVEN					FACULTY: Mr Basavesha D					TOTAL AVG
			IA			T1	T2		T3		ASSIGNMENT 10/5					EXTERNAL					Final												
			T1	T2	T3	CO1-30	CO2-15	CO3-15	CO4-15	CO5-15	CO1-2	CO2-2	CO3-2	CO4-2	CO5-2	SEE(60)	CO1-12	CO2-12	CO3-12	CO4-12	CO5-12	CO1-44	CO2-29	CO3-29	CO4-29	CO5-29							
1	1SV19CS001	AFREEN AFSHAN	25	17	29	25	8	9	14	15	2	2	2	2	2	33	6.6	6.6	6.6	6.6	6.6	33.6	16.6	17.6	22.6	23.6	22.8						
2	1SV19CS003	AKASH KUMAR	28	23	28	28	10	13	14	14	2	2	2	2	2	29	5.8	5.8	5.8	5.8	5.8	35.8	17.8	20.8	21.8	21.8	23.6						
3	1SV19CS004	AKHIL N	AB	AB	AB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
4	1SV19CS005	AKSHATHA M	6	19	29	6	10	9	14	15	2	2	2	2	2	27	5.4	4.2	4.2	4.2	4.2	13.4	16.2	15.2	20.2	21.2	17.24						
5	1SV19CS006	AMRIT GYAWALI	23	17	27	23	9	8	14	13	2	2	2	2	2	32	6.4	8.2	8.2	8.2	8.2	31.4	19.2	18.2	24.2	23.2	23.24						
6	1SV19CS007	ANKITHA K	19	23	29	19	13	10	15	14	2	2	2	2	2	16	3.2	3.2	3.2	3.2	3.2	24.2	18.2	15.2	20.2	19.2	19.4						
7	1SV19CS008	ANUSHA B	18	27	29	18	15	12	14	15	2	2	2	2	2	27	5.4	5.4	5.4	5.4	5.4	25.4	22.4	19.4	21.4	22.4	22.2						
8	1SV19CS009	ARBIN TAJ	6	8	16	6	4	4	8	8	2	2	2	2	2	6	1.2	1.2	1.2	1.2	1.2	9.2	7.2	7.2	11.2	11.2	9.2						
9	1SV19CS011	ASHRITH P	6	11	27	6	5	6	15	12	2	2	2	2	2	24	4.8	4.8	4.8	4.8	4.8	12.8	11.8	12.8	21.8	18.8	15.6						
10	1SV19CS013	AYESHA SALEEM	18	19	27	18	9	10	14	13	2	2	2	2	2	15	3	3	3	3	3	23	14	15	19	18	17.8						
11	1SV19CS014	BHAGYASHREE	5	0	25	5	0	0	10	15	2	2	2	2	2	2	0.4	0.4	0.4	0.4	0.4	7.4	2.4	2.4	12.4	17.4	8.4						
12	1SV19CS015	BHAGYASHREE G	26	23	29	26	13	10	14	15	2	2	2	2	2	2	0.4	0.4	0.4	0.4	0.4	7.4	2.4	2.4	12.4	17.4	8.4						
13	1SV19CS016	BHARATHI H	22	20	28	22	10	10	14	14	2	2	2	2	2	28	5.6	5.6	5.6	5.6	5.6	33.6	20.6	17.6	21.6	22.6	23.2						
14	1SV19CS017	BHARGAV N	AB	AB	AB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
15	1SV19CS018	BHAVANA C	18	23	29	18	13	10	15	14	2	2	2	2	2	39	7.8	7.8	7.8	7.8	7.8	27.8	22.8	19.8	24.8	23.8	23.8						
16	1SV19CS019	BHOJANNA AJAY	8	5	23	8	3	2	10	13	2	2	2	2	2	28	5.6	5.6	5.6	5.6	5.6	15.6	10.6	9.6	17.6	20.6	14.8						
17	1SV19CS020	BHOOMIKA J N	18	14	27	18	7	7	14	13	2	2	2	2	2	9	1.8	1.8	1.8	1.8	1.8	21.8	10.8	10.8	17.8	16.8	15.6						
18	1SV19CS021	BHUVANESHWARI	25	28	25	25	14	14	10	15	2	2	2	2	2	24	4.8	4.8	4.8	4.8	4.8	31.8	20.8	20.8	16.8	21.8	22.4						
19	1SV19CS022	BHUVANESHWARI A	15	20	29	15	10	10	15	14	2	2	2	2	2	21	4.2	4.2	4.2	4.2	4.2	21.2	16.2	16.2	21.2	20.2	19						
20	1SV19CS023	CHEZHAN V	22	15	29	22	8	7	14	15	2	2	2	2	2	21	4.2	4.2	4.2	4.2	4.2	21.2	16.2	16.2	21.2	20.2	19						
21	1SV19CS024	DARSHAN K N	AB	AB	AB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
22	1SV19CS025	DEEKSHA K	23	19	29	23	10	9	15	14	2	2	2	2	2	31	6.2	6.2	6.2	6.2	6.2	31.2	18.2	17.2	23.2	22.2	22.4						
23	1SV19CS026	DHANUSH K	AB	AB	AB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
24	1SV19CS027	DISHAN M	22	28	29	22	14	14	15	14	2	2	2	2	2	31	6.2	6.2	6.2	6.2	6.2	30.2	22.2	22.2	23.2	22.2	24						
25	1SV19CS028	DULARCHAND	11	14	27	11	7	7	15	12	2	2	2	2	2	14	2.8	2.8	2.8	2.8	2.8	15.8	11.8	11.8	19.8	16.8	15.2						
26	1SV19CS029	ESRA BANU	17	15	29	17	8	7	15	14	2	2	2	2	2	21	4.2	4.2	4.2	4.2	4.2	23.2	18.2	17.2	25.2	24.2	21.6						
27	1SV19CS030	GAYATHRIDEVI K M	13	26	29	13	13	13	15	14	2	2	2	2	2	27	5.4	5.4	5.4	5.4	5.4	20.4	20.4	20.4	22.4	21.4	21						
28	1SV19CS031	GOUDAR ROHIT	8	14	29	8	7	7	14	15	2	2	2	2	2	13	2.6	2.6	2.6	2.6	2.6	12.6	11.6	11.6	18.6	19.6	14.8						
29	1SV19CS032	H BARKATHULLA	23	26	27	23	12	14	14	13	2	2	2	2	2	36	7.2	7.2	7.2	7.2	7.2	32.2	21.2	23.2	23.2	22.2	24.4						
30	1SV19CS033	HARISHA M R	23	23	29	23	13	10	15	14	2	2	2	2	2	29	5.8	5.8	5.8	5.8	5.8	30.8	20.8	17.8	22.8	21.8	22.8						
31	1SV19CS034	HARSHITHA C	27	26	29	27	13	13	14	15	2	2	2	2	2	21	4.2	4.2	4.2	4.2	4.2	33.2	19.2	19.2	20.2	21.2	22.6						
32	1SV19CS035	HEMANTH K R	24	22	29	24	11	11	15	14	2	2	2	2	2	23	4.6	4.6	4.6	4.6	4.6	30.6	17.6	17.6	21.6	20.6	21.6						
33	1SV19CS036	J N SHREYAS	15	23	28	15	10	13	14	14	2	2	2	2	2	15	3	3	3	3	3	20	15	18	19	19	18.2						
34	1SV19CS037	JYOTI MOHAN	17	23	28	17	13	10	14	14	2	2	2	2	2	24	4.8	4.8	4.8	4.8	4.8	23.8	19.8	16.8	20.8	20.8	20.4						
35	1SV19CS038	KALPANA M N	18	26	29	18	15	11	15	14	2	2	2	2	2	21	4.2	4.2	4.2	4.2	4.2	24.2	21.2	17.2	21.2	20.2	20.8						
36	1SV19CS040	LAVANYA T S	24	27	29	24	15	12	14	15	2	2	2	2	2	39	7.8	7.8	7.8	7.8	7.8	33.8	24.8	21.8	23.8	24.8	25.8						
37	1SV19CS041	MADHAVA REDDY M	14	15	28	14	8	7	14	14	2	2	2	2	2	23	4.6	4.6	4.6	4.6	4.6	20.6	14.6	13.6	20.6	20.6	18						
38	1SV19CS042	MAHALAKSHMI H	AB	14	23	0	7	7	12	12	2	2	2	2	2	8	1.6	1.6	1.6	1.6	1.6	3.6	10.6	10.6	14.6	15.6	11						
39	1SV19CS043	MONIKA P	20	13	28	20	7	6	14	14	2	2	2	2	2	23	4.6	7.8	7.8	7.8	7.8	26.6	16.8	15.8	23.8	23.8	21.36						



DEPARTMENT OF COMPUTER SCIENCE / INFORMATION SCIENCE

SUBJECT	MICROCONTROLLER AND EMBEDDED SYSTEMS	SUBJECT CODE	18CS44
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COURSE OUTCOME

- CO1:** Describe the architectural features and instructions of ARM microcontroller.
- CO2:** Apply the knowledge gained for Programming ARM for different applications.
- CO3:** Interface external devices and I/O with ARM microcontroller.
- CO4:** Interpret the basic hardware components and their selection method based on the characteristics and attributes of an embedded system.
- CO5:** Develop the hardware /software co-design and firmware design approaches.
- CO6:** Demonstrate the need of real time operating system for embedded system applications.

PS01: To Create, select, and apply appropriate techniques, resources, modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.

PS02: To manage complex IT projects with consideration of the human, financial, ethical and environmental factors and an understanding of risk management processes, and operational and policy implications.

PS03: Acquaint module knowledge on emerging trends of the modern era in computer science and 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 analyse 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 modelling 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.

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		Dr.CHARAN K V										
BRANCH		CSE / ISE			ACADEMIC YEAR				2021-22			
COURSE	B.E	SEMESTER			IV	SECTION			A & B			
SUBJECT	MICROCONTROLLER AND EMBEDDED SYSTEMS					SUBJECT CODE			18CS44			
CO & PO MAPPING												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	2	3	1	3			2	1	1	1	2
CO2	3	3	3	1	1			2	1	1	1	2
CO3	3	2	2	1	1			2	1	1	1	2
CO4	3	2	2	1	1			2	1	1	1	2
CO5	3	2	1	1	1			1	1	1	1	2
CO6	3	2	1	1	1			1	1	1	1	2
AVERAGE	3	2.16	2	1	1.33			1.66	1	1	1	2
OVERALL MAPPING OF SUBJECT												1.34

CO AND PO ATTAINMENT

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	0.28	0.8565	0.571	0.857	0.2855	0.8565			0.571	0.2855	0.2855	0.2855	0.571
CO2	0.24	0.7251	0.725	0.725	0.2417	0.2417			0.4834	0.2417	0.2417	0.2417	0.4834
CO3	0.28	0.8697	0.58	0.58	0.2899	0.2899			0.5798	0.2899	0.2899	0.2899	0.5798
CO4	0.28	0.8697	0.58	0.58	0.2899	0.2899			0.5798	0.2899	0.2899	0.2899	0.5798
CO5	0.25	0.7782	0.519	0.259	0.2594	0.2594			0.2594	0.2594	0.2594	0.2594	0.5188
CO6	0.25	0.7782	0.519	0.259	0.2594	0.2594			0.2594	0.2594	0.2594	0.2594	0.5188
AVERAGE	0.265	0.817	1.545	0.558	0.272	0.558			1.4152	0.2725	1.2725	0.27245	0.5449
FINAL ATTAINMENT LEVEL													1.68

21-22
even

Roll No.	USN	Name	18CS	Sem:	2021	EVEN	FACULTY: Mr. Renukaradhya P C										18CS64				
			SUB:	OOMD	T1	T2	ASSIGNMENT 10/3						SEE	Final							
			T1	T2	T3	CO1-	CO2-	CO3-	CO1	CO2	CO3	CO1=	CO2=	CO3=	CO1-	CO2-	CO3-	SEE			
1	15V19CS001	AFREEN AFSHAN	20	27	26	20	27	26	3	2	5	10.3	10.3	10.3	33.3	39.3	41.3	64.3	21.4		
2	15V19CS003	AKASH KUMAR SIN	22	29	20	22	29	20	5	3	2	7.33	7.33	7.33	34.3	39.3	29.3	56.3	18.8		
3	15V19CS004	AKHIL N	AB	AB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
4	15V19CS005	AKSHATHA M	21	28	27	21	28	27	4	2	4	10.3	10.3	10.3	35.3	40.3	41.3	66.3	22.1		
5	15V19CS006	AMRIT GYAWALI	27	29	26	27	29	26	2	4	4	10	10	10	39	43	40	69	23		
6	15V19CS007	ANKITHA K	27	30	30	27	30	30	4	4	2	10.7	10.7	10.7	41.7	44.7	42.7	73.7	24.6		
7	15V19CS008	ANUSHA B	28	29	26	28	29	26	3	2	5	10.3	10.3	10.3	41.3	41.3	41.3	72.3	24.1		
8	15V19CS009	ARBIN TAJ	13	14	14	13	14	14	5	3	2	5.33	5.33	5.33	23.3	22.3	21.3	39.3	13.1		
9	15V19CS011	ASHRITH P	20	19	26	20	19	26	2	5	3	9.67	9.67	9.67	31.7	33.7	38.7	60.7	20.2		
10	15V19CS013	AYESHA SALEEM	23	30	27	23	30	27	4	2	4	10.3	10.3	10.3	37.3	42.3	41.3	68.3	22.8		
11	15V19CS014	BHAGYASHREE	6	10	17	6	10	17	2	4	4	7	7	7	15	21	28	36	12		
12	15V19CS015	BHAGYASHREE G	30	27	30	30	27	30	4	4	2	10.7	10.7	10.7	44.7	41.7	42.7	76.7	25.6		
13	15V19CS016	BHARATHI H	30	30	18	30	30	18	3	2	5	7.67	7.67	7.67	40.7	39.7	30.7	63.7	21.2		
14	15V19CS017	BHARGAV N	AB	AB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
15	15V19CS018	BHAVANA C	30	30	29	30	30	29	2	5	3	10.7	10.7	10.7	42.7	45.7	42.7	74.7	24.9		
16	15V19CS019	BHOJANNA AJAY	19	26	20	19	26	20	4	2	4	8	8	8	31	36	32	55	18.3		
17	15V19CS020	BHOOMIKA J N	27	29	29	27	29	29	2	4	4	11	11	11	40	44	44	73	24.3		
18	15V19CS021	BHUVANESHWARI	30	29	27	30	29	27	4	4	2	9.67	9.67	9.67	43.7	42.7	38.7	72.7	24.2		
19	15V19CS022	BHUVANESHWARI	30	30	30	30	30	30	3	2	5	11.7	11.7	11.7	44.7	43.7	46.7	79.7	26.6		
20	15V19CS023	CHETHAN V	21	29	27	21	29	27	5	3	2	9.67	9.67	9.67	35.7	41.7	38.7	64.7	21.6		
21	15V19CS024	DARSHAN K N	AB	AB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
22	15V19CS025	DEEKSHA K	29	30	29	29	30	29	4	2	4	11	11	11	44	43	44	77	25.7		
23	15V19CS026	DHANUSH K	AB	AB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
24	15V19CS027	DISHAN M	27	30	27	27	30	27	4	4	2	9.67	9.67	9.67	40.7	43.7	38.7	69.7	23.2		
25	15V19CS028	DULARCHAND KAL	24	27	22	24	27	22	4	2	4	8.67	8.67	8.67	36.7	37.7	34.7	62.7	20.9		
26	15V19CS029	ESRA BANU	26	21	27	26	21	27	2	4	4	10.3	10.3	10.3	38.3	35.3	41.3	69.3	23.1		
27	15V19CS030	GAYITHRIDEVI K M	30	30	29	30	30	29	4	4	2	10.3	10.3	10.3	44.3	44.3	41.3	75.3	25.1		
28	15V19CS031	GOUDAR ROHIT RE	14	26	26	14	26	26	3	2	5	10.3	10.3	10.3	27.3	38.3	41.3	58.3	19.4		
29	15V19CS032	H BARKATHULLA	30	30	29	30	30	29	5	3	2	10.3	10.3	10.3	45.3	43.3	41.3	76.3	25.4		
30	15V19CS033	HARISHA M R	30	30	30	30	30	30	2	5	3	11	11	11	43	46	44	76	25.3		
31	15V19CS034	HARSHITHA C	30	30	30	30	30	30	4	2	4	11.3	11.3	11.3	45.3	43.3	45.3	79.3	26.4		
32	15V19CS035	HEMANTH K R	30	30	29	30	30	29	2	4	4	11	11	11	43	45	44	76	25.3		
33	15V19CS036	J N SHREYAS	30	26	23	30	26	23	4	4	2	8.33	8.33	8.33	42.3	38.3	33.3	67.3	22.4		
34	15V19CS037	JYOTI MOHAN MAI	30	30	27	30	30	27	3	2	5	10.7	10.7	10.7	43.7	42.7	42.7	75.7	25.2		
35	15V19CS038	KALPANA M N	30	30	27	30	30	27	5	3	2	9.67	9.67	9.67	44.7	42.7	38.7	73.7	24.6		
36	15V19CS040	LAVANYA T S	30	30	30	30	30	30	2	5	3	11	11	11	43	46	44	76	25.3		
37	15V19CS041	MADHAVA REDDY	23	17	21	23	17	21	4	2	4	8.33	8.33	8.33	35.3	27.3	33.3	60.3	20.1		
38	15V19CS042	MAHALAKSHMI H	24	27	27	0	27	27	2	4	4	10.3	10.3	10.3	12.3	41.3	41.3	43.3	14.4		
39	15V19CS043	MONIKA P	21	29	29	21	29	29	4	4	2	10.3	10.3	10.3	35.3	43.3	41.3	66.3	22.1		
40	15V19CS044	MONISHA P	30	30	30	30	30	30	3	2	5	11.7	11.7	11.7	44.7	43.7	46.7	79.7	26.6		

41	15V19CS045	NAGAKRUPA D R	26	30	29	26	30	29	5	3	2	10.3	10.3	10.3	41.3	43.3	41.3	72.3	24.1
42	15V19CS046	NANDAN KUMAR I	24	29	24	24	29	24	2	5	3	9	9	9	35	43	36	62	20.7
43	15V19CS047	NANDINI A	27	30	27	27	30	27	4	2	4	10.3	10.3	10.3	41.3	42.3	41.3	72.3	24.1
44	15V19CS048	NAYANA H S	24	29	27	24	29	27	2	4	4	10.3	10.3	10.3	36.3	43.3	41.3	67.3	22.4
45	15V19CS050	NIKKI KISHORE	30	30	30	30	30	30	4	4	2	10.7	10.7	10.7	44.7	44.7	42.7	76.7	25.6
46	15V19CS051	NOOR JAHAN	21	27	24	0	27	24	3	2	5	9.67	9.67	9.67	12.7	38.7	38.7	41.7	13.9
47	15V19CS052	PRAMOD R	29	25	23	29	25	23	5	3	2	8.33	8.33	8.33	42.3	36.3	33.3	67.3	22.4
48	15V19CS053	PRIYA R ACHARYA	30	30	30	30	30	30	2	5	3	11	11	11	43	46	44	76	25.3
49	15V19CS054	RAHUL S	17	15	17	17	15	17	4	2	4	7	7	7	28	24	28	49	16.3
50	15V19CS055	RAJAN KUMAR PA	29	29	26	29	29	26	2	4	4	10	10	10	41	43	40	71	23.7
51	15V19CS056	RAKSHITH B R	27	30	26	27	30	26	4	4	2	9.33	9.33	9.33	40.3	43.3	37.3	68.3	22.8
52	15V19CS057	RAVINDRA H V	30	30	30	30	30	30	4	2	4	11.3	11.3	11.3	45.3	43.3	45.3	79.3	26.4
53	15V19CS058	S ANKITHA	30	30	30	30	30	30	2	4	4	11.3	11.3	11.3	43.3	45.3	45.3	77.3	25.8
54	15V19CS059	SAHANA B R	24	18	24	0	18	24	4	4	2	8.67	8.67	8.67	12.7	30.7	34.7	38.7	12.9
55	15V19CS060	SAHANA SHARANA	27	30	26	27	30	26	2	5	3	9.67	9.67	9.67	38.7	44.7	38.7	67.7	22.6
56	15V19CS061	SAI KISHAN M R	27	30	27	27	30	27	4	2	4	10.3	10.3	10.3	41.3	42.3	41.3	72.3	24.1
57	15V19CS062	SANIHA C	15	21	24	15	21	24	2	4	4	9.33	9.33	9.33	26.3	34.3	37.3	54.3	18.1
58	15V19CS063	SANTHOSH C	27	AB	27	27	0	27	4	4	2	9.67	9.67	9.67	40.7	13.7	38.7	69.7	23.2
59	15V19CS064	SATYAM KUMAR C	29	27	27	29	27	27	4	2	4	10.3	10.3	10.3	43.3	39.3	41.3	74.3	24.8
60	15V19CS065	SHAFIYA KHANUM	29	30	27	29	30	27	2	4	4	10.3	10.3	10.3	41.3	44.3	41.3	72.3	24.1
															AVG	35.1	37.2	36.8	
															PERC	65.8	69.8	69	

A
Signature of Staff

[Signature]
HOD,
COMPUTER SCIENCE & ENGG.,
SIET, TUMAKURU-06.



Department of Computer Science and Engineering

COURSE OUTCOME

CO1. Define System Software.

CO2. Familiarize with source file, object file and executable file structures and libraries

CO3. Describe the front-end and back-end phases of compiler and their importance to students

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 modelling 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: 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. KAVYASHREE					
BRANCH	CSE	ACADEMIC YEAR			2021-22	
COURSE	B.E	SEMESTER	VI	SECTION	A	
SUBJECT	SYSTEM SOFTWARE AND COMPILERS			SUBJECT CODE	18CS61	

CO-PO-PSO Mapping															
COs	Pos												PSOs		
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3
CO1	3	2											2	3	2
CO2	3	3	2										2	3	3
CO3	3	3	1										2	3	3
Average	3	2.66	1.5										2	3	2.66

CO AND PO ATTAINMENT

ATTAINMENT TABLE																
COs	AVG	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	54.7	1.64	1.09											1.09	1.64	1.09
CO2	48.0	1.44	1.44	0.96										0.96	1.44	1.44
CO3	54.3	1.62	1.62	0.54										1.08	1.62	1.62
AVERAGE		1.56	1.38	0.75										1.04	1.56	1.38

18CS61

SEM: VI B

KAVYASHREE

2021-22 EVEN

SS&CD

Roll No.	USN	Name				T1	T2	T3	ASSIGNMENT						Final			TOTAL AVG		
			T1	T2	T3	CO1-30	CO2-30	CO3-30	CO1-4	CO2-3	CO3-3	SEE	CO1-20	CO2-20	CO3-20	CO1-54	CO2-53		CO3-53	
61	1SV19CS066	SHAH HUSSAIN AHAMED S	29	24	26	29	24	26	4	3	3	38	12.7	12.67	12.67	45.7	39.7	41.7	42.3	
62	1SV19CS067	SHWET KUMAR	17	14	19	17	14	19	4	3	3	25	8.3	8.33	8.33	29.3	25.3	30.3	28.3	
63	1SV19CS068	SIDDALINGAIAH N M	15	15	18	15	15	18	4	3	3	37	12.3	12.33	12.33	31.3	30.3	33.3	31.7	
64	1SV19CS069	SIDDESHYADAV G S	20	15	17	20	15	17	4	3	3	24	8.0	8.00	8.00	32.0	26.0	28.0	28.7	
65	1SV19CS070	SIKAS S K	17	18	21	17	18	21	4	3	3	39	13.0	13.00	13.00	34.0	34.0	37.0	35.0	
66	1SV19CS071	SINCHANA B S	26	30	29	26	30	29	4	3	3	29	9.7	9.67	9.67	39.7	42.7	41.7	41.3	
67	1SV19CS072	SRUJAN H K	23	15	20	23	15	20	4	3	3	24	8.0	8.00	8.00	35.0	26.0	31.0	30.7	
68	1SV19CS074	SUCHITRA H C	21	0	23	21	0	23	4	3	3	22	7.3	7.33	7.33	32.3	10.3	33.3	25.3	
69	1SV19CS076	SUHAS H B	26	20	20	26	20	20	4	3	3	25	8.3	8.33	8.33	38.3	31.3	31.3	33.7	
70	1SV19CS077	SUPRIYA C S	20	0	20	20	0	20	4	3	3	24	8.0	8.00	8.00	32.0	11.0	31.0	24.7	
71	1SV19CS079	TARUN R N	0	0	0	0	0	0	4	3	3	0	0.0	0.00	0.00	4.0	3.0	3.0	3.3	
72	1SV19CS080	UTSHAV NEPAL	11	0	0	11	0	0	4	3	3	0	0.0	0.00	0.00	15.0	3.0	3.0	7.0	
73	1SV19CS081	VARSHA N	17	20	13	17	20	13	4	3	3	26	8.7	8.67	8.67	29.7	31.7	24.7	28.7	
74	1SV19CS082	VARSHINI J	17	28	26	17	28	26	4	3	3	33	11.0	11.00	11.00	32.0	42.0	40.0	38.0	
75	1SV19CS083	Y S YASWANTH SAI	29	30	30	29	30	30	4	3	3	51	17.0	17.00	17.00	50.0	50.0	50.0	50.0	
76	1SV19CS084	YASHAS G	11	10	8	11	10	8	4	3	3	39	13.0	13.00	13.00	28.0	26.0	24.0	26.0	
77	1SV19CS085	YATHISH GOWDA K H	18	15	21	18	15	21	4	3	3	32	10.7	10.67	10.67	32.7	28.7	34.7	32.0	
78	1SV19CS086	ZAKAUR RAHMAN	11	19	15	11	19	15	4	3	3	22	7.3	7.33	7.33	22.3	29.3	25.3	25.7	
79	1SV18CS002	AISHWARYA S	1	9	15.8	1	9	15.8	4	3	3	14	4.7	4.67	4.67	9.7	16.7	23.5	16.6	
80	1SV18CS006	BHARATH KUMAR J	25	17	27	25	17	27	4	3	3	38	12.7	12.67	12.67	41.7	32.7	42.7	39.0	
81	1SV18CS009	DEEKSHITH R	14	10	9	14	10	9	4	3	3	18	6.0	6.00	6.00	24.0	19.0	18.0	20.3	
82	1SV18CS012	DIVYA DEEKSHITH S	27	26	12	27	26	12	4	3	3	31	10.3	10.33	10.33	41.3	39.3	25.3	35.3	
83	1SV18CS018	GURUPRASAD B S	22	7	20	22	7	20	4	3	3	31	10.3	10.33	10.33	36.3	20.3	33.3	30.0	
84	1SV18CS034	RAKSHITHA RANGANATH	20	0	19	20	0	19	4	3	3	28	9.3	9.33	9.33	33.3	12.3	31.3	25.7	
86	1SV18CS047	YASHVANTHKUMAR P	0	14	23	0	14	23	4	3	3	28	9.3	9.33	9.33	13.3	26.3	35.3	25.0	
87	1SV20CS400	HEMA M S	16	14	17	16	14	17	4	3	3	28	9.3	9.33	9.33	29.3	26.3	29.3	28.3	
88	1SV20CS401	SWATHI K M	24	18	14	24	18	14	4	3	3	22	7.3	7.33	7.33	35.3	28.3	24.3	29.3	
															29.6	25.4	28.8			
															54.7	48.0	54.3			



Department of Computer Science and Engineering

COURSE OUTCOME

- CO1. Define System Software.
- CO2. Familiarize with source file, object file and executable file structures and libraries
- CO3. Describe the front-end and back-end phases of compiler and their importance to students
- CO4. Decide suitable hardware and software for developing graphics packages using OpenGL.

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 modelling to complex engineering activities.
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- PO7 Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- PO8 Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
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- 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: 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. VEENA N D					
BRANCH	CSE	ACADEMIC YEAR			2021-22	
COURSE	B.E	SEMESTER	VI	SECTION	B	
SUBJECT	COMPUTER GRAPHICS AND VISUALIZATION			SUBJECT CODE	18CS62	

CO-PO-PSO Mapping															
COs	Pos												PSOs		
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3
CO1	3	2											2	3	2
CO2	3	3	2										2	3	3
CO3	3	3	1										2	3	3
CO4	3	3	1										2	3	3
Average	3	2.75	1.33										2	3	3

CO AND PO ATTAINMENT

ATTAINMENT TABLE																
COs	AVG	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	46.8	1.40	0.93											0.93	1.40	0.93
CO2	56.8	1.70	1.70	1.13										1.13	1.70	1.70
CO3	56.1	1.68	1.68	0.56										0.82	1.68	1.68
CO4	59.7	1.79	1.79	0.59										1.19	1.79	1.79
AVERAGE		1.64	1.51	0.75										1.01	1.64	1.51

Veena N.D
STAFF INCHARGE

Dr. Veena N.D
HOD.
COMPUTER SCIENCE & ENGG.
SIET, TUMAKURU-06.

Dr. Veena N.D
PRINCIPAL
SIET, TUMAKURU

Roll No.	USN	Name	18CS62			2021-22				Sem:VI 'B'				EVEN				SUB: CG				FACULTY: Mrs. Veena N D				TOT AL AVG	
			IA			T1	T2			T3	ASSIGNMENT 10/4				EXTERNAL				Final								
			T1	T2	T3	CO1-30	CO2-15	CO3-15	CO4-30	CO1-3	CO2-2	CO3-2	CO4-3	SEE(60)	CO1-15	CO2-15	CO3-15	CO4-15	CO1-48	CO2-32	CO3-32	CO4-48					
1	1SV19CS066	SHAH HUSSAIN AHAMED S A	11	27	26	11	15	12	26	3	2	2	3	41	10.3	10.3	10.3	10.3	24.3	27.3	24.3	39.3	28.8				
2	1SV19CS067	SHWET KUMAR	6	17	17	6	8	9	17	3	2	2	3	31	7.8	7.8	7.8	7.8	16.8	17.8	18.8	27.8	20.3				
3	1SV19CS068	SIDDALINGAIAH N M	13	15	24	0	7	8	0	3	2	2	3	24	6	6	6	6	9	15	16	9	12.25				
4	1SV19CS069	SIDDESHYADAV C S	9	8	29	9	4	4	29	3	2	2	3	30	7.5	7.5	7.5	7.5	19.5	13.5	13.5	39.5	21.5				
5	1SV19CS070	SIKAS S K	15	30	29	15	15	15	29	3	2	2	3	30	7.5	7.5	7.5	7.5	25.5	24.5	24.5	39.5	28.5				
6	1SV19CS071	SINCHANA B S	29	23	30	29	13	10	30	3	2	2	3	26	6.5	6.5	6.5	6.5	38.5	21.5	18.5	39.5	29.5				
7	1SV19CS072	SRUJAN H K	10	15	20	10	8	7	20	3	2	2	3	26	6.5	6.5	6.5	6.5	19.5	16.5	15.5	29.5	20.25				
8	1SV19CS074	SUCHITRA H C	12	8	18	12	4	4	18	3	2	2	3	42	10.5	10.5	10.5	10.5	25.5	16.5	16.5	31.5	22.5				
9	1SV19CS076	SUHAS H B	23	23	23	23	13	10	23	3	2	2	3	27	6.8	6.8	6.8	6.8	32.8	21.8	18.8	32.8	26.55				
10	1SV19CS077	SUPRIYA C S	16	17	29	16	9	8	29	3	2	2	3	23	5.8	5.8	5.8	5.8	24.8	16.8	15.8	37.8	23.8				
11	1SV19CS079	TARUN R N	AB	AB	AB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
12	1SV19CS080	UTSHAV NEPAL	18	AB	AB	18	0	0	0	0	0	0	0	0	0	0	0	0	18	0	0	0	4.5				
13	1SV19CS081	VARSHA N	11	23	18	11	10	13	18	3	2	2	3	29	7.3	7.3	7.3	7.3	21.3	19.3	22.3	28.3	22.8				
14	1SV19CS082	VARSHINI J	27	30	30	0	15	15	0	3	2	2	3	51	12.8	12.8	12.8	12.8	15.8	29.8	29.8	15.8	22.8				
15	1SV19CS083	Y S YASWANTH SAI	23	25	29	23	10	15	29	3	2	2	3	43	10.8	10.8	10.8	10.8	36.8	22.8	27.8	42.8	32.55				
16	1SV19CS084	YASHAS G	11	5	26	11	3	2	26	3	2	2	3	27	6.8	6.8	6.8	6.8	20.8	11.8	10.8	35.8	19.8				
17	1SV19CS085	YATHISH GOWDA K M	21	27	29	21	15	12	29	3	2	2	3	24	6	6	6	6	30	23	20	38	27.75				
18	1SV19CS086	ZAKAUR RAHMAN	11	23	23	11	10	13	23	3	2	2	3	38	9.5	9.5	9.5	9.5	23.5	21.5	24.5	35.5	26.25				
19	1SV18CS002	AISHWARYA S	13	15	12	13	7	8	12	3	2	2	3	17	4.3	4.3	4.3	4.3	20.3	13.3	14.3	19.3	16.8				
20	1SV18CS006	BHARATH KUMAR J	17	26	26	17	15	11	26	3	2	2	3	33	8.3	8.3	8.3	8.3	28.3	25.3	21.3	37.3	28.05				
21	1SV18CS009	DEEKSHITH R	14	23	19	0	10	13	0	3	2	2	3	5	1.3	1.3	1.3	1.3	4.3	13.3	16.3	4.3	9.55				
22	1SV18CS012	DIVYA DEEKSHITH C	19	21	25	19	11	10	25	3	2	2	3	42	10.5	10.5	10.5	10.5	32.5	23.5	22.5	38.5	29.25				
23	1SV18CS018	GURUPRASAD B S	15	20	19	0	10	10	0	3	2	2	3	28	7	7	7	7	10	19	19	10	14.5				
24	1SV18CS034	RAKSHITHA RANGANATH	13	27	23	13	15	12	23	3	2	2	3	26	6.5	6.5	6.5	6.5	22.5	23.5	20.5	32.5	24.75				
25	1SV18CS047	YASHVANTHKUMAR P	8	15	27	8	7	8	27	3	2	2	3	28	7	7	7	7	18	16	17	37	22				
26	1SV20CS400	HEMA M S	30	11	27	30	6	5	27	3	2	2	3	30	7.5	7.5	7.5	7.5	40.5	15.5	14.5	37.5	27				
27	1SV20CS401	SWATHI K M	17	24	24	17	12	12	24	3	2	2	3	32	8	8	8	8	28	22	22	35	26.75				
																			22.5	18.2	18.0	28.7					
																			PER	46.8	56.8	56.1	59.7				



Department of Computer Science and Engineering

COURSE OUTCOME

- CO1. Adapt HTML and CSS syntax and semantics to build web pages.
- CO2. Construct and visually format tables and forms using HTML and CSS
- CO3. Develop Client-Side Scripts using JavaScript and Server-Side Scripts using PHP to generate and display the contents dynamically.
- CO4. Appraise the principles of object oriented development using PHP
- CO5. Inspect JavaScript frameworks like jQuery and Backbone which facilitates developer to focus on core features

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 modelling 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: 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. BASAVESHA D					
BRANCH	CSE	ACADEMIC YEAR			2021-22	
COURSE	B.E	SEMESTER	VI	SECTION	B	
SUBJECT	WEB TECHNOLOGY AND ITS APPLICATIONS			SUBJECT CODE	18CS69	

CO-PO-PSO Mapping															
COs	Pos												PSOs		
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3
CO1	1		2									2	2	1	2
CO2	1		2									2	2	1	2
CO3	1		2									2	2	1	2
CO4	1		2									2	2	1	2
CO5	1		2									2	2	1	2
Average	1		2									2	2	1	2

CO AND PO ATTAINMENT

ATTAINMENT TABLE																
COs	AVG	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	46.3	0.46		0.92									0.92	0.92	0.46	0.92
CO2	50.2	0.50		1									1	1	0.50	1
CO3	50.5	0.50		1.01									1.01	1.01	0.50	1.01
CO4	59.3	0.59		1.18									1.18	1.18	0.59	1.18
CO5	58.7	0.58		1.17									1.17	1.17	0.58	1.17
AVERAGE		0.52		1.05									1.05	1.05	0.52	1.05

Bas
STAFF INCHARGE

Dr. Basavesh D
HOD.
COMPUTER SCIENCE & ENGG.
SIET, TUMAKURU

Basavesh D
PRINCIPAL
SIET, TUMAKURU

Roll No.	USN	Name	18CS63 2021-22 SUB: WTA Sem:VI 'B' EVEN																							TOTAL L AVG	
			T1			T2			T3			ASSIGNMENT 10/5					EXTERNAL					Final					
			T1	T2	T3	CO1-30	CO2-15	CO3-15	CO4-15	CO5-15	CO1-2	CO2-2	CO3-2	CO4-2	CO5-2	SEE(60)	CO1-12	CO2-12	CO3-12	CO4-12	CO5-12	CO1-44	CO2-29	CO3-29	CO4-29		CO5-29
1	1SV19CS066	SHAH HUSSAIN AHAMED S A	26	20	24	26	10	10	12	12	2	2	2	2	2	24	4.8	4.8	4.8	4.8	4.8	32.8	16.8	16.8	18.8	18.8	20.8
2	1SV19CS067	SHWET KUMAR	19	15	24	19	7	8	12	12	2	2	2	2	2	21	4.2	4.2	4.2	4.2	4.2	25.2	13.2	14.2	18.2	18.2	17.8
3	1SV19CS068	SIDDALINGAI AH N M	AB	11	25	0	6	5	10	15	2	2	2	2	2	22	4.4	4.4	4.4	4.4	4.4	26.4	14.4	13.4	21.4	19.4	19
4	1SV19CS069	SIDDESHYADAV G C	20	15	28	20	8	7	15	13	2	2	2	2	2	21	4.2	4.2	4.2	4.2	4.2	6.2	12.2	11.2	16.2	21.2	13.4
5	1SV19CS070	SIKAS S K	23	20	29	23	10	10	14	15	2	2	2	2	2	29	5.8	5.8	5.8	5.8	5.8	30.8	17.8	17.8	21.8	22.8	22.2
6	1SV19CS071	SINCHANA B S	26	23	29	26	13	10	15	14	2	2	2	2	2	29	5.8	5.8	5.8	5.8	5.8	30.8	17.8	17.8	21.8	22.8	22.2
7	1SV19CS072	SRUJAN H K	17	17	26	17	10	7	11	15	2	2	2	2	2	29	5.8	5.8	5.8	5.8	5.8	33.8	20.8	17.8	22.8	21.8	23.4
8	1SV19CS074	SUCHITRA H C	12	18	12	12	8	10	6	6	2	2	2	2	2	12	2.4	2.4	2.4	2.4	2.4	21.4	14.4	11.4	15.4	19.4	16.4
9	1SV19CS076	SUHAS H B	18	23	16	18	10	13	10	6	2	2	2	2	2	21	4.2	4.2	4.2	4.2	4.2	18.2	14.2	16.2	12.2	12.2	14.6
10	1SV19CS077	SUPRIYA C S	9	19	19	9	10	9	10	9	2	2	2	2	2	26	5.2	5.2	5.2	5.2	5.2	25.2	17.2	20.2	17.2	13.2	18.6
11	1SV19CS079	TARUN R N	AB	AB	AB	0	0	0	0	0	0	0	0	0	0	21	4.2	4.2	4.2	4.2	4.2	15.2	16.2	15.2	16.2	15.2	15.6
12	1SV19CS080	UTSHAV NEPAL	26	AB	AB	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	1SV19CS081	VARSHA N	20	15	23	20	8	7	10	13	2	2	2	2	2	26	5.2	5.2	5.2	5.2	5.2	27.2	15.2	14.2	17.2	20.2	18.8
14	1SV19CS082	VARSHINI J	21	24	29	0	12	12	14	15	2	2	2	2	2	35	7	7	7	7	7	9	21	21	23	24	19.6
15	1SV19CS083	Y S YASWANTH SAI	29	29	29	29	14	15	15	14	2	2	2	2	2	40	8	8	8	8	8	39	24	25	25	24	27.4
16	1SV19CS084	YASHAS G	8	20	29	8	10	10	15	14	2	2	2	2	2	27	5.4	5.4	5.4	5.4	5.4	15.4	17.4	17.4	22.4	21.4	18.8
17	1SV19CS085	YATHISH GOWDA K M	11	21	13	11	10	11	10	3	2	2	2	2	2	21	4.2	4.2	4.2	4.2	4.2	17.2	16.2	17.2	16.2	9.2	15.2
18	1SV19CS086	ZAKAUR RAHMAN	15	23	29	15	10	13	14	15	2	2	2	2	2	25	5	5	5	5	5	22	17	20	21	22	20.4
19	1SV18CS002	AISHWARYA S	12	9	17	12	3	6	8	9	2	2	2	2	2	21	4.2	4.2	4.2	4.2	4.2	18.2	9.2	12.2	14.2	15.2	13.8
20	1SV18CS006	BHARATH KUMAR J	13	20	29	13	10	10	15	14	2	2	2	2	2	23	4.6	4.6	4.6	4.6	4.6	19.6	16.6	16.6	21.6	20.6	19
21	1SV18CS009	DEEKSHITH R	14	16	20	0	8	8	10	10	2	2	2	2	2	11	2.2	2.2	2.2	2.2	2.2	4.2	12.2	12.2	14.2	14.2	11.4
22	1SV18CS012	DIVYA DEEKSHITH C	24	0	16	24	0	0	8	8	2	2	2	2	2	30	6	6	6	6	6	32	8	8	16	16	16
23	1SV18CS018	GURUPRASAD B S	8	14	29	0	7	7	15	14	2	2	2	2	2	29	5.8	5.8	5.8	5.8	5.8	7.8	14.8	14.8	22.8	21.8	16.4
24	1SV18CS034	RAKSHITHA RANGANATH	14	15	13	14	7	8	7	6	2	2	2	2	2	25	5	5	5	5	5	21	14	15	14	13	15.4
25	1SV18CS047	YASHVANTHKUMAR P	11	13	18	11	8	5	9	9	2	2	2	2	2	25	5	5	5	5	5	18	15	12	16	16	15.4
26	1SV20CS400	HEMA M S	AB	25	26	0	10	15	15	11	2	2	2	2	2	28	5.6	5.6	5.6	5.6	5.6	7.6	17.6	22.6	22.6	18.6	17.8
27	1SV20CS401	SWATHI K M	23	15	23	23	10	5	10	13	2	2	2	2	2	30	6	6	6	6	6	31	18	13	18	21	20.2

	20.4	14.57	14.64	17.20	17.01
PER	46.3	50.2	50.5	59.3	58.7

Cv. Anandakrishnan
HOD.
COMPUTER SCIENCE & ENGG

Bas

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

SUBJECT	OBJECT ORIENTED MODELLING AND DESIGN	SUBJECT CODE	18CS642
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COURSE OUTCOME

- CO1. Describe the concepts of object-oriented and basic class modelling.
- CO2. Draw class diagrams, sequence diagrams and interaction diagrams to solve problems.
- CO3. Choose and apply a befitting design pattern for the given problem

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: 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. RENUKARADHYA P.C														
BRANCH	CSE			ACADEMIC YEAR				2020-21							
COURSE	B.E	SEMESTER			VI										
SUBJECT	OBJECT ORIENTED MODELLING AND DESIGN					SUBJECT CODE			18CS641						

CO & PO MAPPING

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	2	2									2	1		1
CO2	3	2	2		1				1	2		2		2	
CO3	3	1	2				2		1			2	2		1
AVERAGE	3	2	2		1		2		2	2		2	1.5	2	2
OVERALL MAPPING OF SUBJECT													1.95		

CO AND PO ATTAINMENT

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	67.85	2.01	1.34	1.34									1.34	0.67		0.67
CO2	81.71	2.43	1.62	1.62		0.81				0.81	1.62		1.62		1.62	
CO3	75.80	2.25	0.75	1.5				1.5		0.75			1.5	1.5		0.75
AVERAGE	75.12	2.23	1.23	1.48		0.81		1.5		0.56	1.62		1.48	1.08	1.62	0.71
FINAL ATTAINMENT LEVEL														1.30		

A
STAFF INCHARGE

C.V. Jannappa
HOD,
COMPUTER SCIENCE & ENGG.,
SIET, TUMAKURU-06.

Principals
PRINCIPAL
SIET, TUMAKURU.

21-22
even

Roll No.	USN	Name	Sem:VI 021-22 EVEN TY: Mr. Renukaradh 18CS64										SEE			Final					
			SUB: OOMD			T1			T2			ASSIGNMENT 10			see	CO1-20	CO2-20	CO3-20	CO1-53.3	CO2-38.3	CO3-38.3
			T1	T2	T3	CO1-30	CO2-15	CO3-15	CO1-3.3	CO2-3.3	CO3-3.3										
1	1SV19CS066	SHAH HUSSAIN AHAMED S A	29	27	30	29	27	30	3	2	5	58	19.3	6.44	2.15	51.3	35	37			
2	1SV19CS067	SHWET KUMAR	17	24	25	17	24	25	5	3	2	57	19	6.33	2.11	41	33	29			
3	1SV19CS068	SIDDALINGAIAH N M	AB	27	24	0	27	24	2	5	3	37	12.3	4.11	1.37	14.3	36	28			
4	1SV19CS069	SIDDESHYADAV G S	25	25	27	25	25	27	4	2	4	45	15	5	1.67	44	32	33			
5	1SV19CS070	SIKAS S K	26	27	27	26	27	27	2	4	4	60	20	6.67	2.22	48	38	33			
6	1SV19CS071	SINCHANA B S	27	30	27	27	30	27	4	4	2	60	20	6.67	2.22	51	41	31			
7	1SV19CS072	SRUJAN H K	26	22	26	26	22	26	3	2	5	55	18.3	6.11	2.04	47.3	30	33			
8	1SV19CS074	SUCHITRA H C	22	27	24	22	27	24	5	3	2	57	19	6.33	2.11	46	36	28			
9	1SV19CS076	SUHAS H B	24	25	27	24	25	27	2	5	3	40	13.3	4.44	1.48	39.3	34	31			
10	1SV19CS077	SUPRIYA C S	18	A	28	18	0	28	4	2	4	58	19.3	6.44	2.15	41.3	8	34			
11	1SV19CS079	TARUN R N	AB	AB	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
12	1SV19CS080	UTSHAV NEPAL	8	AB	0	8	0	0	0	0	0	0	0	0	0	8	0	0			
13	1SV19CS081	VARSHA N	14	26	30	14	26	30	3	2	5	45	15	5	1.67	32	33	37			
14	1SV19CS082	VARSHINI J	22	30	30	0	30	30	5	3	2	60	20	6.67	2.22	25	40	34			
15	1SV19CS083	Y S YASWANATH SAI	30	30	30	30	30	30	2	5	3	59	19.7	6.56	2.19	51.7	42	35			
16	1SV19CS084	YASHAS G	26	27	27	26	27	27	4	2	4	59	19.7	6.56	2.19	49.7	36	33			
17	1SV19CS085	YATHISH GOWDA K H	30	26	27	30	26	27	2	4	4	59	19.7	6.56	2.19	51.7	37	33			
18	1SV19CS086	ZAKAUR RAHMAN	15	27	27	15	27	27	4	4	2	57	19	6.33	2.11	38	37	31			
19	1SV18CS002	AISHWARYA S	19	10	27	19	10	27	3	2	5	51	17	5.67	1.89	39	18	34			
20	1SV18CS006	BHARATH KUMAR J	20	27	28	20	27	28	5	3	2	54	18	6	2	43	36	32			
21	1SV18CS009	DEEKSHITH R	24	29	27	0	29	27	2	5	3	54	18	6	2	20	40	32			
22	1SV18CS012	DIVYA DEEKSHITH S	27	27	24	27	27	24	4	2	4	36	12	4	1.33	43	33	29			
23	1SV18CS018	GURUPRASAD B S	17	26	20	0	26	20	2	4	4	40	13.3	4.44	1.48	15.3	34	25			
24	1SV18CS034	RAKSHITHA RANGANATH	27	26	23	27	26	23	4	4	2	39	13	4.33	1.44	44	34	26			
25	1SV18CS047	YASHVANTHKUMAR P	19	26	26	19	26	26	4	2	4	38	12.7	4.22	1.41	35.7	32	31			
26	1SV20CS400	HEMA M S	AB	27	21	0	27	21	2	4	4	39	13	4.33	1.44	15	35	26			
27	1SV20CS401	SWATHI K M	25	26	22	25	26	22	4	4	2	40	13.3	4.44	1.48	42.3	34	25			
																AVG	36.2	31.3	29.1		
																PER	67.9	81.7	75.8		

HOD.
COMPUTER SCIENCE & ENGG.,
SIET, TUMAKURU-06.

Signature of Staff



DEPARTMENT OF EEE

SUBJECT	RENEWABLE ENERGY RESOURCES	SUBJECT CODE	18EE653
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COURSE OUTCOME

- CO1. Discuss causes of energy scarcity and its solution, energy resources and availability of renewable energy.
- CO2. Outline energy from sun, energy reaching the Earth's surface and solar thermal energy applications.
- CO3. Discuss types of solar collectors, their configurations, solar cell system, its characteristics and their applications.
- CO4. Explain generation of energy from hydrogen, wind, geothermal system, solid waste and agriculture refuse
- CO5. Discuss production of energy from biomass, biogas.
- CO6. Summarize tidal energy resources, sea wave energy and ocean thermal energy.

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. SHWETHA T M											
BRANCH	EEE			ACADEMIC YEAR				2021-22				
COURSE	B.E	SEMESTER		VI	SECTION			A				
SUBJECT	RENEWABLE ENERGY RESOURCES					SUBJECT CODE		18EE653				
CO & PO MAPPING												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	2	2	2	1	1	2		1	1	1	1
CO2	3	2	2	2	1	1	2		1	1	1	1
CO3	3	2	2	2	1	1	2		1	1	1	1
CO4	3	2	2	2	1	1	2		1	1	1	1
CO5	3	2	2	2	1	1	2		1	1	1	1
CO6	3	2	2	2	1	1	2		1	1	1	1
AVERAGE	3	2	2	2	1	1	2		1	1	1	1
OVERALL MAPPING OF SUBJECT												1.54

CO AND PO ATTAINMENT

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	66.1	1.98	1.32	1.32	1.32	0.66	0.66	1.32		0.66	0.66	0.66	0.66
CO2	68.1	2.04	1.36	1.36	1.36	0.68	0.68	1.36		0.68	0.68	0.68	0.68
CO3	62.6	1.87	1.25	1.25	1.25	0.62	0.62	1.25		0.62	0.62	0.62	0.62
CO4	53.4	1.60	1.06	1.06	1.06	0.53	0.53	1.06		0.53	0.53	0.53	0.53
CO5	53.4	1.60	1.06	1.06	1.06	0.53	0.53	1.06		0.53	0.53	0.53	0.53
CO6	57.4	1.72	1.14	1.14	1.14	0.57	0.57	1.14		0.57	0.57	0.57	0.57
AVERAGE	60.17	1.80	1.19	1.19	1.19	0.59	0.59	1.19		0.59	0.59	0.59	0.59
FINAL ATTAINMENT LEVEL													0.918

STAFF INCHARGE

Cv Janaki Devi
H.O.B.
COMPUTER SCIENCE & ENGG.,
SIET, TUMAKURU-06.

Manjunath
PRINCIPAL
SIET, TUMAKURU



Department of Computer Science and Engineering

COURSE OUTCOME

- CO1.** Identify key challenges in managing information and analyze different storage networking technologies and virtualization
- CO2.** Explain components and the implementation of NAS
- CO3.** Describe CAS architecture and types of archives and forms of virtualization
- CO4.** Illustrate the storage infrastructure and management activities

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	Mr SUTHAN R																
BRANCH	CSE					ACADEMIC YEAR					2021-22						
COURSE	B.E	SEMESTER					VIII	SECTION									
SUBJECT	STORAGE AREA NETWORKS					SUBJECT CODE					18CS822						

CO & PO MAPPING

	PO 1	PO2	PO 3	PO 4	PO 5	PO 6	PO7	PO 8	PO9	PO 10	PO1 1	PO1 2	PSO 1	PSO 2	PSO 3
CO1	3	3											3		
CO2			3										3		
CO3	1	2													
CO4		2													
AVERAGE	2	2.33	3										3		
OVERALL MAPPING OF SUBJECT												2.58			

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	72.30	2.17	2.17											2.17		
CO2	72.86			2.19										2.19		
CO3	71.58	0.72	1.43													
CO4	77.69		1.55													
AVERAGE	73.60	1.44	1.72	2.19										2.21		
FINAL ATTAINMENT LEVEL													1.89			

[Signature]
STAFF INCHARGE

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HOD,
COMPUTER SCIENCE & ENGO.,
SIET, TUMAKURU-08.

[Signature]
PRINCIPAL
SIET, TUMAKURU-08.

Academic year 2021-22				SEM VIII				36				Subject:SAN				18CS822											
ROLL NO	SEM:8	TEST 1(30M)		TEST 2(30M)		TEST 3(30M)		IGNEMENT / QUIZ(1)				SEE MARKS(60)				Total Cos ATTAINMENT				% of individual CO				SEE Tota			
	USN	CO1	TOTAL	CO2	CO3	CO4	TOTAL	CO1	CO2	CO3	CO4	CO1-15	CO2	CO3	CO4	CO1-47	CO2-32	CO3-32	CO4-47	CO1	CO2	CO3	CO4	60M			
1	1SV17CS011	28	28	15	12	27	24	24	2.5	2.5	2.5	2.5	8.75	8.75	8.75	8.75	39	26	23	35.25	82.63158	80.76923	71.53846	74.21053	35		
2	1SV17CS015	26	26	14	14	28	29	29	2.5	2.5	2.5	2.5	6	6	6	6	34	22	22	37.25	72.10526	68.46154	68.46154	78.42105	23		
3	1SV17CS018	24	24	14	14	28	29	29	2.5	2.5	2.5	2.5	7	7	7	7	34	24	24	38.5	70.52632	72.30769	72.30769	81.05263	28		
4	1SV17CS024	24	24	14	14	28	29	29	2.5	2.5	2.5	2.5	7	7	7	7	33	23	23	38	69.47368	70.76923	70.76923	80	26		
5	1SV17CS027	20	20	5	5	10	0	0	2.5	2.5	2.5	2.5	8	8	8	8	31	16	16	10.75	64.73684	48.46154	48.46154	22.63158	33		
6	1SV17CS034	0	0	6	6	12	14	14	2.5	2.5	2.5	2.5	3	3	3	3	6	12	12	19.5	11.57895	35.38462	35.38462	41.05263	12		
7	1SV18CS001	24	24	13	13	26	26	26	2.5	2.5	2.5	2.5	12	12	12	12	38	27	27	40.25	80.52632	83.84615	83.84615	84.73684	47		
8	1SV18CS003	24	24	15	14	29	30	30	2.5	2.5	2.5	2.5	10	10	10	10	37	28	27	42.75	77.36842	85.38462	82.30769	90	41		
9	1SV18CS004	25	25	14	14	28	20	20	2.5	2.5	2.5	2.5	8	8	8	8	35	24	24	30	73.68421	73.84615	73.84615	63.15789	30		
10	1SV18CS005	25	25	15	14	29	30	30	2.5	2.5	2.5	2.5	9	9	9	9	36	26	25	41.25	76.31579	80.76923	77.69231	86.84211	35		
11	1SV18CS007	24	24	15	14	29	30	30	2.5	2.5	2.5	2.5	8	8	8	8	35	26	25	40.75	73.15789	79.23077	76.15385	85.78947	33		
12	1SV18CS008	24	24	13	13	26	29	29	2.5	2.5	2.5	2.5	10	10	10	10	36	25	25	41	75.78947	76.92308	76.92308	86.31579	38		
13	1SV18CS011	23	23	12	11	23	20	20	2.5	2.5	2.5	2.5	9	9	9	9	34	23	22	31.25	72.10526	71.53846	68.46154	65.78947	35		
14	1SV18CS014	24	24	14	15	29	30	30	2.5	2.5	2.5	2.5	11	11	11	11	38	28	29	43.75	79.47368	85.38462	88.46154	92.10526	45		
15	1SV18CS015	24	24	14	14	28	24	24	2.5	2.5	2.5	2.5	9	9	9	9	36	26	26	35.5	74.73684	78.46154	78.46154	74.73684	36		
16	1SV18CS017	27	27	13	14	27	30	30	2.5	2.5	2.5	2.5	9	9	9	9	38	24	25	41	80	73.84615	76.92308	86.31579	34		
17	1SV18CS019	19	19	14	14	28	29	29	2.5	2.5	2.5	2.5	6	6	6	6	27	22	22	37.25	57.36842	68.46154	68.46154	78.42105	23		
18	1SV18CS021	27	27	14	15	29	30	30	2.5	2.5	2.5	2.5	7	7	7	7	37	24	25	39.75	77.36842	73.07692	76.15385	83.68421	29		
19	1SV18CS022	24	24	10	10	20	25	25	2.5	2.5	2.5	2.5	8	8	8	8	35	21	21	35.75	73.15789	63.84615	63.84615	75.26316	33		
20	1SV18CS023	27	27	15	14	29	30	30	2.5	2.5	2.5	2.5	9	9	9	9	38	26	25	41	80	76.92308	86.31579	34			
21	1SV18CS024	24	24	15	14	29	29	29	2.5	2.5	2.5	2.5	8	8	8	8	35	26	25	39.5	72.63158	78.46154	75.38462	83.15789	32		
22	1SV18CS025	24	24	15	14	29	29	29	2.5	2.5	2.5	2.5	6	6	6	6	33	24	23	37.5	68.42105	72.30769	69.23077	78.94737	24		
23	1SV18CS026	24	24	15	14	29	27	27	2.5	2.5	2.5	2.5	7	7	7	7	34	25	24	36.5	70.52632	75.38462	72.30769	76.84211	28		
24	1SV18CS028	23	23	15	14	29	29	29	2.5	2.5	2.5	2.5	8	8	8	8	33	25	24	39.25	70	77.69231	74.61538	82.63158	31		
25	1SV18CS029	27	27	13	14	27	30	30	2.5	2.5	2.5	2.5	8	8	8	8	38	24	25	40.75	79.47368	73.07692	76.15385	85.78947	33		
26	1SV18CS030	22	22	10	10	20	23	23	2.5	2.5	2.5	2.5	5	5	5	5	30	18	18	30.75	62.63158	54.61538	54.61538	64.73684	21		
27	1SV18CS031	23	23	12	11	23	23	23	2.5	2.5	2.5	2.5	11	11	11	11	37	26	25	36.75	77.36842	79.23077	76.15385	77.36842	45		
28	1SV18CS032	24	24	15	14	29	29	29	2.5	2.5	2.5	2.5	11	11	11	11	37	28	27	42.25	78.42105	86.92308	83.84615	88.94737	43		
29	1SV18CS033	26	26	15	14	29	29	29	2.5	2.5	2.5	2.5	7	7	7	7	35	24	23	38	73.68421	73.84615	70.76923	80	26		
30	1SV18CS038	27	27	15	14	29	30	30	2.5	2.5	2.5	2.5	7	7	7	7	36	24	23	39.25	76.31579	74.61538	71.53846	82.63158	27		
31	1SV18CS042	20	20	12	11	23	17	17	2.5	2.5	2.5	2.5	10	10	10	10	32	24	23	29	67.36842	73.84615	70.76923	61.05263	38		
32	1SV18CS043	22	22	13	13	26	29	29	2.5	2.5	2.5	2.5	9	9	9	9	33	24	24	40.25	70	74.61538	74.61538	84.73684	35		
33	1SV18CS045	26	26	6	5	11	26	26	2.5	2.5	2.5	2.5	6	6	6	6	34	14	13	34.25	72.10526	43.84615	40.76923	72.10526	23		
34	1SV18CS046	26	26	15	14	29	29	29	2.5	2.5	2.5	2.5	11	11	11	11	39	28	27	42.25	82.63158	86.92308	83.84615	88.94737	43		
35	1SV19CS400	27	27	12	11	23	30	30	2.5	2.5	2.5	2.5	9	9	9	9	39	24	23	41.75	81.57895	73.07692	70	87.89474	37		
36	1SV19CS401	26	26	13	14	27	29	29	2.5	2.5	2.5	2.5	9	9	9	9	37	24	25	40	77.89474	73.84615	76.92308	84.21053	34		
																					72.30994	72.86325	71.5812	77.69006	32.5		
																									54.167		

SUTHAN R

MOD.
COMPUTER SCIENCE & ENGG.
SIET, TUMAKURU-06.

Department of Computer Science and Engineering

2021-2022

COURSE OUTCOMES

COURSE: INTERNET OF THINGS 18CS81

- CO1. Interpret the impact and challenges posed by IoT networks leading to new architectural models.
- CO2. Compare and contrast the deployment of smart objects and the technologies to connect them to Network.
- CO3. Appraise the role of IoT protocols for efficient network communication.
- CO4. Elaborate the need for Data Analytics and Security in IoT.
- CO5. Illustrate different sensor technologies for sensing real world entities and identify the applications of IoT in Industry.

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 modelling 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.
- PO.9 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: 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. CHETHAN M S															
BRANCH		CSE				ACADEMIC YEAR				2021-2022							
COURSE	B.E	SEMESTER				VIII		SECTION									
SUBJECT		INTERNET OF THINGS						SUBJECT CODE				18CS81					

CO & PO MAPPING

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	2	3	2	-	-	-	-	-	-	-	2	2	1	3
CO2	2	2	2	2	2	-	2	-	-	-	-	2	2	2	3
CO3	2	2	2	-	-	-	-	-	-	-	-	2	2	2	3
CO4	3	3	3	-	-	2	-	-	-	-	-	2	2	2	3
CO5	2	1	2	-	-	2	2	-	-	-	-	2	2	1	3
AVG	2.4	2.0	2.4	0.8	0.4	0.8	0.8	-	-	-	-	2.0	2.0	1.6	3.0
OVERALL MAPPING OF SUBJECT												1.65			

CO AND PO ATTAINMENT

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	65.64	1.96	1.31	1.96	1.31	-	-	-	-	-	-	-	1.31	1.31	0.65	1.96
CO2	70.38	1.40	1.40	1.40	1.40	1.40	-	1.40	-	-	-	-	1.40	1.40	1.40	2.10
CO3	69.20	1.38	1.38	1.38	-	-	-	-	-	-	-	-	1.38	1.38	1.38	2.07
CO4	62.47	1.87	1.87	1.87	-	-	1.24	-	-	-	-	-	1.24	1.24	1.24	1.87
CO5	60.87	1.21	0.60	1.21	-	-	1.21	1.21	-	-	-	-	1.21	1.21	0.60	1.82
AVERAGE	65.71	1.56	1.31	1.56	1.35	1.40	1.22	1.30	-	-	-	-	1.30	1.30	1.05	1.96
FINAL ATTAINMENT LEVEL													1.39			

Chethan M S
 STAFF INCHARGE

Pr. Chethan M S
 HOD,
 COMPUTER SCIENCE & ENGG.,
 SIET, TUMAKURU

Pr. Chethan M S
 PRINCIPAL
 SIET, TUMAKURU

Department of Computer Science and Engineering

COURSE INSTRUCTOR: Prof. CHETHAN M			COURSE CODE: 18CS41			COURSE: INTERNET OF THINGS					SEM: VIII SEM 2011-2022					TOTAL STRENGTH : 36					CSE									
Roll No.	USN	Name	T1=20		T2=20		T3			PRACTICAL ASSESSMENT-20					SEE-60M					FINAL					SEE					
			T1-20	T2-20	T3-20	CO1-20	CO2-10	CO3-10	CO4-10	CO5-10	CO1-4	CO2-4	CO3-4	CO4-4	CO5-4	CO1-12	CO2-12	CO3-12	CO4-12	CO5-12	CO1-36	CO2-36	CO3-36	CO4-36		CO5-36	60M			
1	15V17CS011	Chaitra M S	15	20	12	15	10	10	6	6	3	3	3	3	3	4.2	4.2	4.2	4.2	4.2	22.2	17.2	17.2	13.2	13.2	23				
2	15V17CS015	Gaganashree T U	9	14	2	9	7	7	1	1	3	3	3	3	3	3.4	3.4	3.4	3.4	3.4	17.4	15.4	15.4	9.4	9.4	27				
3	15V17CS018	Junaid Ulla K han	12	13	14	12	7	6	7	7	3	3	3	3	3	6.6	6.6	6.6	6.6	6.6	21.6	16.6	15.6	16.6	16.6	33				
4	15V17CS024	Manasa V	14	18	14	14	9	9	7	7	3	3	3	3	3	5	5	5	5	5	22	17	17	15	15	25				
5	15V17CS027	Navya S	12	11	AB	12	6	5	0	0	4	4	4	4	4	6.8	6.8	6.8	6.8	6.8	22.8	16.8	15.8	10.8	10.8	34				
6	15V17CS034	Raghu ram G K	12	13	0	12	7	6	0	0	3	3	3	3	3	4.4	4.4	4.4	4.4	4.4	19.4	14.4	13.4	7.4	7.4	22				
7	15V18CS001	Abdulah	13	13	14	13	7	6	7	7	3	3	3	3	3	7.2	7.2	7.2	7.2	7.2	23.2	17.2	16.2	17.2	17.2	36				
8	15V18CS003	Amulya J M	15	20	12	15	10	10	6	6	4	4	4	4	4	7.2	7.2	7.2	7.2	7.2	26.2	21.2	21.2	17.2	17.2	36				
9	15V18CS004	Ayush Ranjan Tiwari	14	18	9	14	9	9	5	4	4	4	4	4	4	7.6	7.6	7.6	7.6	7.6	25.6	20.6	20.6	16.6	15.6	38				
10	15V18CS005	Basavaraju	16	17	15	16	9	8	8	7	4	4	4	4	4	7	7	7	7	7	27	20	19	19	18	35				
11	15V18CS007	Bhavya HP	17	17	14	17	9	8	7	7	4	4	4	4	4	8.4	8.4	8.4	8.4	8.4	29.4	21.4	20.4	19.4	19.4	42				
12	15V18CS008	Chandrashekar T	13	15	8	13	8	7	4	4	3	3	3	3	3	8.4	8.4	8.4	8.4	8.4	24.4	19.4	18.4	15.4	15.4	42				
13	15V18CS011	Dharmans Harika	9	14	15	9	7	7	8	7	4	4	4	4	4	6.8	6.8	6.8	6.8	6.8	19.8	17.8	17.8	18.8	17.8	34				
14	15V18CS014	Enchara M	18	20	15	18	10	10	8	7	4	4	4	4	4	7.4	7.4	7.4	7.4	7.4	29.4	21.4	21.4	19.4	18.4	37				
15	15V18CS015	Gagana	12	16	11	12	8	8	6	5	3	3	3	3	3	3.8	3.8	3.8	3.8	3.8	20.8	16.8	16.8	14.8	13.8	29				
16	15V18CS017	Ganyakumar G R	19	20	15	19	10	10	8	7	4	4	4	4	4	4.8	4.8	4.8	4.8	4.8	27.8	18.8	18.8	16.8	15.8	34				
17	15V18CS019	Hada Amal Khan	12	18	13	12	9	9	8	7	4	4	4	4	4	3.8	3.8	3.8	3.8	3.8	21.6	18.6	18.6	17.6	16.6	28				
18	15V18CS021	Keerthiprasad	20	20	19	20	10	10	10	9	4	4	4	4	4	6.8	6.8	6.8	6.8	6.8	30.8	20.8	20.8	20.8	19.8	34				
19	15V18CS022	Kushal Kumar	12	12	13	12	6	6	8	7	3	3	3	3	3	6.4	6.4	6.4	6.4	6.4	21.4	15.4	15.4	17.4	16.4	32				
20	15V18CS023	Lavanya T A	11	19	12	11	10	9	6	6	4	4	4	4	4	3	3	3	3	3	20	19	18	15	15	23				
21	15V18CS024	Lisha Shree Nayaka	20	20	15	20	10	10	8	7	4	4	4	4	4	6.2	6.2	6.2	6.2	6.2	30.2	20.2	20.2	18.2	17.2	31				
22	15V18CS025	Manoranjan P M	14	10	15	14	5	5	8	7	3	3	3	3	3	3.8	3.8	3.8	3.8	3.8	22.8	13.8	13.8	16.8	15.8	29				
23	15V18CS026	Murfa fathima	16	20	14	16	10	10	7	7	4	4	4	4	4	3.4	3.4	3.4	3.4	3.4	25.4	19.4	19.4	16.4	16.4	27				
24	15V18CS028	Meghana G S	16	15	9	16	8	7	5	4	4	4	4	4	4	7.2	7.2	7.2	7.2	7.2	27.2	19.2	18.2	16.2	15.2	36				
25	15V18CS029	Nanda T M	18	20	16	18	10	10	8	8	4	4	4	4	4	4.6	4.6	4.6	4.6	4.6	26.6	18.6	18.6	16.6	16.6	23				
26	15V18CS030	Pavan Kumar Durgad	5	10	2	5	5	5	1	1	3	3	3	3	3	3.6	3.6	3.6	3.6	3.6	13.6	13.6	13.6	9.6	9.6	28				
27	15V18CS031	Pragna H S	12	20	11	12	10	10	6	5	4	4	4	4	4	4.8	4.8	4.8	4.8	4.8	20.8	18.8	18.8	14.8	13.8	34				
28	15V18CS032	Prajwal	12	15	14	12	8	7	7	7	4	4	4	4	4	6.8	6.8	6.8	6.8	6.8	22.8	18.8	17.8	17.8	17.8	34				
29	15V18CS033	Priyadarshini	19	19	13	19	10	9	7	6	4	4	4	4	4	7.6	7.6	7.6	7.6	7.6	30.6	21.6	20.6	18.6	17.6	38				
30	15V18CS038	Shradda S	18	20	18	18	10	10	9	9	3.8	3.8	3.8	3.8	3.8	6.4	6.4	6.4	6.4	6.4	28.2	20.2	20.2	19.2	19.2	32				
31	15V18CS042	Sushma H S	8	10	15	8	5	5	8	7	4	4	4	4	4	6.2	6.2	6.2	6.2	6.2	18.2	15.2	15.2	18.2	17.2	31				
32	15V18CS043	Thungashree	8	20	16	8	10	10	8	8	4	4	4	4	4	7.6	7.6	7.6	7.6	7.6	19.6	21.6	21.6	19.6	19.6	38				
33	15V18CS045	Vijayalakshmi	9	12	8	9	6	6	4	4	4	4	4	4	4	3.8	3.8	3.8	3.8	3.8	18.8	15.8	15.8	13.8	13.8	29				
34	15V18CS046	Vivekanand Math	18	20	16	18	10	10	8	8	4	4	4	4	4	4.2	4.2	4.2	4.2	4.2	26.2	18.2	18.2	16.2	16.2	21				
35	15V19CS400	Shreeshha Hegade	17	20	16	17	10	10	8	8	4	4	4	4	4	3.2	3.2	3.2	3.2	3.2	26.2	19.2	19.2	17.2	17.2	36				
36	15V19CS401	Veena L C	10	16	14	10	8	8	7	7	4	4	4	4	4	6.8	6.8	6.8	6.8	6.8	20.8	18.8	18.8	17.8	17.8	34				
																				AVG					23.6333	18.3	17.9944	16.2444	15.82778	
																				%					65.6481	70.385	69.2094	62.4786	60.87607	

CHETHAN M S