

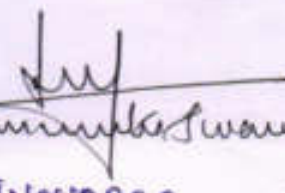
2019-20

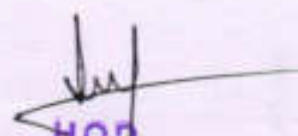
ODD SEM

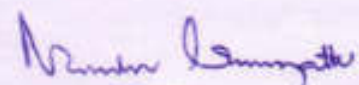
COLLEGE	SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY																
FACULTY NAME	PROF. SHANMUKASWAMY C V																
BRANCH	CS	ACADEMIC YEAR										2019-20					
COURSE	B.E.	SEMESTER	III	SECTION											A [CSE]		
COURSE	DATA STRUCTURES AND APPLICATIONS										COURSE CODE			18CS32			
CO & 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	60	1.8	1.8	1.8									0.6	1.2		
CO2	66	2.0	2.0	2.0	2.0								1.3	1.3		
CO3	64	1.9	1.9	1.9	1.9	1.9						1.3	1.3	1.3		
CO4	70	2.1	2.1	2.1	2.1	1.4								1.4		
AVERAGE		1.95	1.95	1.95	1.5	1.65							1.3	1.06	1.3	
FINAL ATTAINMENT LEVEL																1.58

  
 Prof. Shanmukaswamy C V  
 STAFF INCHARGE

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

  
 PRINCIPAL  
 SIET, TUMAKURU.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING  
COsPOs ATTAINMENT  
ACADEMIC YEAR -2019-20[ODD SEM]

CLASS:3rd SEM CSE A

Course Name :Data Structures and Applications [18CS32]

Roll No.	USN	Name	T1	T2			T3	ASSIGNMENT 10/4				SEE[60/4]				Final CO.s				Attainment [stud]
			CO1 30	CO2- 15	CO3- 15	CO4 30	CO1 2	CO2 3	CO3 3	CO4 2	SEE [60]	CO1 15	CO2 15	CO3 15	CO4 15	CO1 47	CO2 33	CO3 33	CO4 47	
1	ISV18CS001	ABDULLAH	23	13	12	29	2	3	3	2	29	7	8	7	7	32	24	22	38	73
2	ISV18CS003	AMULYA J M	18	12	12	29	2	3	3	2	30	8	8	7	7	28	23	22	38	69
3	ISV18CS004	AYUSH RANJAN TIWARI	12	10	10	16	2	3	3	2	17	4	4	4	5	18	17	17	23	47
4	ISV18CS005	BASAVARAJA	26	12	13	29	2	3	3	2	36	9	9	9	9	37	24	25	40	79
5	ISV18CS007	BHAVYA H P	22	13	12	28	2	3	3	2	21	6	5	5	5	30	21	20	35	66
6	ISV18CS008	CHANDRASHEKARA T	15	9	8	28	2	3	2	2	21	5	6	5	5	22	18	15	35	56
7	ISV18CS011	DHARMANA HARIKA	19	12	12	24	2	3	3	2	27	7	7	7	6	28	22	22	32	65
8	ISV18CS013	DIVYA G L	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	0	0	0	0	0
9	ISV18CS014	ENCHARA M	17	12	11	29	2	3	3	2	30	7	8	7	8	26	23	21	39	68
10	ISV18CS015	GAGANA N	15	10	11	27	2	3	3	2	14	4	4	3	3	21	17	17	32	54
11	ISV18CS017	GANYA KUMAR G R	29	15	14	29	2	3	3	2	50	13	12	13	12	44	30	30	43	92
12	ISV18CS019	HADA AMAL KHAN	27	13	13	30	2	3	3	2	29	7	7	8	7	36	23	24	39	76
13	ISV18CS021	KEERTHI PRASAD B K	26	11	11	29	2	3	3	2	38	9	9	10	10	37	23	24	41	78
14	ISV18CS022	KUSHAL KUMAR D	14	11	11	23	2	3	3	2	21	6	5	5	5	22	19	19	30	56
15	ISV18CS023	LAVANYA T A	22	11	11	27	2	3	2	2	23	6	6	6	5	30	20	19	34	64
16	ISV18CS024	LISHASHREE	28	11	11	27	2	3	3	2	37	9	10	9	9	39	24	23	38	78
17	ISV18CS025	MANORANJAN P M	18	13	13	27	2	3	3	2	36	9	9	9	9	29	25	25	38	73
18	ISV18CS026	MARFUA FATHIMA	21	13	12	26	2	3	3	2	29	7	7	8	7	30	23	23	35	69
19	ISV18CS027	MD SHAHID ALI	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	0	0	0	0	0
20	ISV18CS028	MEGHANA G S	22	13	13	18	2	3	3	2	33	8	9	8	8	32	25	24	28	68
21	ISV18CS029	NANDA T M	16	14	13	28	2	3	3	2	32	8	8	8	8	26	25	24	38	71
22	ISV18CS030	PAVAN KUMAR DURGAD	15	11	11	AB	2	3	2	2	35	9	9	8	9	26	23	21	11	51
23	ISV18CS031	PRAGNA HS	18	11	11	25	2	3	3	2	28	7	7	7	7	27	21	21	34	64
24	ISV18CS032	PRAJWAL C	23	11	11	29	2	3	3	2	27	6	7	7	7	31	21	21	38	69
25	ISV18CS033	PRIYADARSHINI R	22	12	13	29	2	3	3	2	28	7	7	7	7	31	22	23	38	71

*Prof. Phani Kumar Swamy CV*

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

26	ISV18CS038	SHRADDHA S	23	13	14	28	2	3	3	2	31	7	8	8	8	32	24	25	38	74
27	ISV18CS039	SINDHU K S	22	15	15	30	2	3	3	2	37	9	10	9	9	33	28	27	41	81
28	ISV18CS042	SUSHMA H S	17	13	12	30	2	3	3	2	23	6	6	6	5	25	22	21	37	66
29	ISV18CS043	THUNGASHREE	22	14	14	30	2	3	3	2	28	7	7	7	7	31	24	24	39	74
30	ISV18CS044	UMME HANNE	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	0	0	0	0	0
31	ISV18CS045	VIJAYALAKSHMI	12	9	9	12	2	3	3	2	30	8	8	7	7	22	20	19	21	51
32	ISV18CS046	VIVEKANAND MATH	19	11	10	20	2	3	3	2	21	5	6	5	5	26	20	18	27	57
33	ISV17CS011	CHAITHRAM S	16	10	9	16	2	3	3	2	27	7	6	7	7	25	19	19	25	55
34	ISV17CS015	GAGANASHREE T U	10	8	8	18	2	3	3	2	21	6	5	5	5	18	16	16	25	47
35	ISV17CS018	JUNAID ULLA KHAN	11	10	10	20	2	3	3	2	23	6	6	6	5	19	19	19	27	53
36	ISV17CS024	MANASAV	9	10	10	20	2	3	3	2	23	5	6	6	6	16	19	19	28	51
37	ISV17CS027	NAVYA S	10	8	8	10	2	3	3	2	28	7	7	7	7	19	18	18	19	46
38	ISV17CS034	RAGHURAM G K	16	12	12	20	2	3	2	2	22	5	5	6	6	23	20	20	28	57
39	ISV19CS400	SHIREESHA HEGADE	30	12	13	26	2	3	3	2	25	6	6	6	7	38	21	22	35	73
40	ISV19CS401	VEENA LC	30	7	8	15	2	3	3	2	26	7	7	6	6	39	17	17	23	60

28	22	21	33
60	66	64	70

Attainment

*Dr. Sharmila Suany*

*Dr.*  
**HOD,**  
**COMPUTER SCIENCE & ENGG.,**  
**SJET, TUMAKURU-05.**



## Department of Computer Science and Engineering

### COURSE OUTCOME

- CO1.** Design and analyze application of analog circuits using photo devices, timer IC, power supply regulator IC, and op-amp and explain the basic principles of A/D and D/A conversion circuits
- CO2.** Simplify digital circuits using Karnaugh Map, and Quine-McClusky Methods
- CO3.** Explain Gates and flip flops and make use in designing different data processing circuits, registers and counters and compare the types.
- CO4.** Explain Gates and flip flops and make us in designing different data processing circuits, registers and counters and compare the types.
- CO5.** Develop simple HDL programs

### 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. MALLESH H L					
BRANCH	CSE	ACADEMIC YEAR			2019-20	
COURSE	B.E	SEMESTER	III	SECTION		
SUBJECT	Analog and Digital Electronics			SUBJECT CODE	18CS33	

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										3		
CO2	2	2	2										3		
CO3	2	2	2										3		
CO4	2	2		2									3	1	
CO5	3	2		1									3	1	
Average	2.2	2	2	1.5									3	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	74.6	1.49	1.49	1.49										2.23		
CO2	64.4	1.28	1.28	1.28										1.93		
CO3	63.9	1.27	1.27	1.27										1.91		
CO4	61.1	1.22	1.22		1.22									1.83	0.61	
CO5	60.9	1.82	1.21		0.60									1.82	0.60	
AVERAGE		1.41	1.29	1.34	0.91									1.94	0.60	

HLM  
STAFF INCHARGE

*Mr. Malleesh H L*  
H.O.D.  
COMPUTER SCIENCE & ENGG.,  
SIET, TUMAKURU-08.

*Principals*  
PRINCIPAL  
SIET, TUMAKURU.



## Department of Computer Science and Engineering

2019-2020

### 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.



<b>COLLEGE</b>		<b>SHRIDEVI INSTITUTE OF ENGINEERING &amp; TECHNOLOGY</b>													
<b>FACULTY NAME</b>		Mr. CHETHAN M S													
<b>BRANCH</b>		CSE				ACADEMIC YEAR				2019-2020					
<b>COURSE</b>	B.E	<b>SEMESTER</b>				III				<b>SECTION</b>					
<b>SUBJECT</b>	COMPUTER ORGANIZATION						<b>SUBJECT CODE</b>				18CS34				


**CO & PO MAPPING**

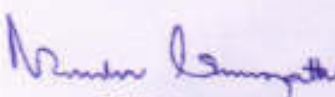
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	2	-	2	-	-	-	-	-	-	-	2	-	-	-
CO2	3	3	2	-	-	-	-	-	-	-	-	2	-	-	2
CO3	3	2	-	2	-	-	-	-	-	-	-	2	2	-	2
CO4	3	3	3	2	-	-	-	-	-	-	-	2	2	-	2
AVG	3	2.5	1.2	1.5	-	-	-	-	-	-	-	2.0	1.0	-	1.5
<b>OVERALL MAPPING OF SUBJECT</b>												1.81			

**CO AND PO ATTAINMENT**

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	49.33	1.47	0.98	-	0.98	-	-	-	-	-	-	-	0.98	-	-	-
CO2	56.42	1.69	1.69	1.12	-	-	-	-	-	-	-	-	1.12	-	-	1.12
CO3	55.01	1.65	1.10	-	1.10	-	-	-	-	-	-	-	1.10	1.10	-	1.10
CO4	63.10	1.89	1.89	1.89	1.26	-	-	-	-	-	-	-	1.26	1.26	-	1.26
AVERAGE	55.96	1.67	1.41	1.50	1.11	-	-	-	-	-	-	-	1.11	1.18	-	1.16
<b>FINAL ATTAINMENT LEVEL</b>													1.30			

  
 STAFF INCHARGE

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

  
 PRINCIPAL  
 SIET, TUMAKURU.

**Department of Computer Science and Engineering**

COURSE INSTRUCTOR: Prof. C. CHETHAN M.S			COURSE CODE: ICS34		COURSE: COMPUTER ORGANIZATION				SEM: III SEM		2019-2020 ODD SEM				CSE								
Roll No.	USN	Name	T1-30		T2		T3		ASSIGNMENT-10				-5F-40M				FINAL				SEE		
			T1-30	T2-30	T1-30	T2-30	T3-30	T4-30	CO1-2.5	CO2-2.5	CO3-2.5	CO4-2.5	CO1-15	CO2-15	CO3-15	CO4-15	CO1-47.5	CO2-32.5	CO3-32.5	CO4-47.5			
1	ISV1BCS001	ABDULLAH	11	12	18	11	6	6	18	2.5	2.5	2.5	2.5	7.25	7.25	7.25	7.25	20.8	15.75	15.75	27.75	29	
2	ISV1BCS003	AMULYA J M	12	29	18	12	15	14	18	2.5	2.5	2.5	2.5	7.5	7.5	7.5	7.5	22.0	25	24	28	30	
3	ISV1BCS004	AYUSH RANJAN TIWARI	5	5	16	5	3	2	16	2.5	2.5	2.5	2.5	4.25	4.25	4.25	4.25	11.8	9.75	8.75	22.75	17	
4	ISV1BCS005	BASAVARAJA	11	18	23	11	9	9	23	2.5	2.5	2.5	2.5	7.5	7.5	7.5	7.5	21.0	19	19	33	30	
5	ISV1BCS007	BHAVYA H P	26	29	25	26	15	14	25	2.5	2.5	2.5	2.5	5.75	5.75	5.75	5.75	34.3	23.25	22.25	33.25	23	
6	ISV1BCS008	CHANDRASHEKARA T	13	10	19	13	5	5	19	2.5	2.5	2.5	2.5	9	9	9	9	24.5	16.5	16.5	30.5	36	
7	ISV1BCS011	DHARMANA HARIKA	9	14	14	9	7	7	14	2.5	2.5	2.5	2.5	5	5	5	5	16.5	14.5	14.5	21.5	20	
8	ISV1BCS014	ENCHARA M	16	19	22	16	10	9	22	2.5	2.5	2.5	2.5	5.75	5.75	5.75	5.75	24.3	18.25	17.25	30.25	23	
9	ISV1BCS015	GAGANA N	2	1	15	2	0.5	0.5	15	2.5	2.5	2.5	2.5	3.5	3.5	3.5	3.5	8.0	6.5	6.5	21	14	
10	ISV1BCS017	GANYA KUMAR G R	23	28	30	23	16	16	30	2.5	2.5	2.5	2.5	8.5	8.5	8.5	8.5	34.0	27	27	41	34	
11	ISV1BCS019	HADA AMAL KHAN	29	27	30	29	14	13	30	2.5	2.5	2.5	2.5	7.25	7.25	7.25	7.25	38.8	23.75	22.75	39.75	29	
12	ISV1BCS021	KIERTHI PRASAD B K	21	29	27	21	15	14	27	2.5	2.5	2.5	2.5	10.5	10.5	10.5	10.5	34.0	28	27	40	42	
13	ISV1BCS022	KUSHAL KUMAR D	12	11	7	12	6	5	7	2.5	2.5	2.5	2.5	2	2	2	2	16.5	10.5	9.5	11.5	8	
14	ISV1BCS023	LAVANYA T A	16	28	30	16	14	14	30	2.5	2.5	2.5	2.5	7.75	7.75	7.75	7.75	26.3	24.25	24.25	40.25	31	
15	ISV1BCS024	LISHASHREE NAYAKA S	15	26	21	15	13	13	21	2.5	2.5	2.5	2.5	9.25	9.25	9.25	9.25	26.8	24.75	24.75	32.75	37	
16	ISV1BCS025	MANORANJAN P M	21	28	23	21	14	14	23	2.5	2.5	2.5	2.5	8.75	8.75	8.75	8.75	32.3	25.25	25.25	34.25	35	
17	ISV1BCS026	MARFUA FATHIMA	12	20	19	12	10	10	19	2.5	2.5	2.5	2.5	6.25	6.25	6.25	6.25	20.8	18.75	18.75	27.75	25	
18	ISV1BCS028	MEGHANA G S	11	11	7	11	6	5	7	2.5	2.5	2.5	2.5	6.75	6.75	6.75	6.75	20.3	15.25	14.25	16.25	27	
19	ISV1BCS029	NANDA T M	13	14	22	13	7	7	22	2.5	2.5	2.5	2.5	7.75	7.75	7.75	7.75	23.3	17.25	17.25	32.25	31	
20	ISV1BCS030	PAVAN KUMAR DURGAD	3	4	8	3	2	2	8	2.5	2.5	2.5	2.5	5.25	5.25	5.25	5.25	10.8	9.75	9.75	15.75	21	
21	ISV1BCS031	PRAAGNA HS	13	9	20	13	5	4	20	2.5	2.5	2.5	2.5	10.25	10.25	10.25	10.25	25.8	17.75	16.75	32.75	41	
22	ISV1BCS032	PRAJWAL C	12	17	30	12	9	8	30	2.5	2.5	2.5	2.5	9	9	9	9	23.5	20.5	19.5	41.5	36	
23	ISV1BCS033	PRİYADARSHINI R	12	14	28	12	7	7	28	2.5	2.5	2.5	2.5	5.75	5.75	5.75	5.75	20.3	15.25	15.25	36.25	23	
24	ISV1BCS038	SHRADDHA S	14	29	28	14	15	14	28	2.5	2.5	2.5	2.5	7	7	7	7	23.5	24.5	23.5	37.5	28	
25	ISV1BCS039	SINDHU K S	21	29	30	21	15	14	30	2.5	2.5	2.5	2.5	7	7	7	7	30.5	24.5	23.5	39.5	28	
26	ISV1BCS042	SUSHMA H S	20	20	16	20	10	10	16	2.5	2.5	2.5	2.5	5.25	5.25	5.25	5.25	27.8	17.75	17.75	23.75	21	
27	ISV1BCS043	THUNGASHREE	20	29	30	20	15	14	30	2.5	2.5	2.5	2.5	7.5	7.5	7.5	7.5	30.0	25	24	40	30	
28	ISV1BCS045	VIJAYALAKSHMI	5	12	14	5	6	6	14	2.5	2.5	2.5	2.5	7.5	7.5	7.5	7.5	15.0	16	16	24	30	
29	ISV1BCS046	VIVEKANAND MATH	2	14	23	2	7	7	23	2.5	2.5	2.5	2.5	5.25	5.25	5.25	5.25	9.8	14.75	14.75	30.75	21	
30	ISV17CS011	CHAITHRAM S	9	10	17	9	5	5	17	2.5	2.5	2.5	2.5	5.25	5.25	5.25	5.25	16.8	12.75	12.75	24.75	21	
31	ISV17CS015	GAGANASHREE T U	4	10	14	4	5	5	14	2.5	2.5	2.5	2.5	5.75	5.75	5.75	5.75	12.3	13.25	13.25	22.25	23	
32	ISV17CS018	JUNAID ULLA KHAN	12	19	27	12	10	9	27	2.5	2.5	2.5	2.5	7.5	7.5	7.5	7.5	22.0	20	19	37	30	
33	ISV17CS024	MANASAV	21	17	22	21	9	8	22	2.5	2.5	2.5	2.5	7.75	7.75	7.75	7.75	31.3	19.25	18.25	32.25	31	
34	ISV17CS027	NAVYA S	11	11	22	11	6	5	22	2.5	2.5	2.5	2.5	7.75	7.75	7.75	7.75	21.3	16.25	15.25	32.25	31	
35	ISV17CS034	RAGHURAM G K	4	2	4	4	1	1	4	2.5	2.5	2.5	2.5	7.25	7.25	7.25	7.25	13.8	10.75	10.75	13.75	29	
36	ISV19CS400	SHIREESHA HEGADE	29	18	30	29	9	9	30	2.5	2.5	2.5	2.5	7.25	7.25	7.25	7.25	38.8	18.75	18.75	39.75	29	
37	ISV19CS401	VEENA LC	29	17	12	29	9	8	12	2.5	2.5	2.5	2.5	7	7	7	7	38.5	18.5	17.5	21.5	28	
																		AVG	23.4	18.3	17.9	30.8	
																		N	49.9314367	56.4241164	55.010195	63.10099573	

*CHETHAN M.S*

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



## Department of Computer Science and Engineering

### COURSE OUTCOME

- CO1. Design a software system, components, or process to meet desired needs within realistic constraints.
- CO2. Assess professional and ethical responsibility.
- CO3. Function on multi-disciplinary teams.
- CO4. Use the techniques, skills and modern engineering tools necessary for engineering practice
- CO5. 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				2019-2020					
COURSE	B.E	SEMESTER	III	SECTION							
SUBJECT	Software Engineering				SUBJECT CODE		18CS35				

### CO & PO MAPPING

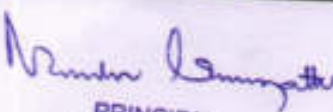
	PO 1	PO 2	PO3	PO 4	PO 5	PO 6	PO7	PO8	PO 9	PO1 0	PO1 1	PO 12	PS O1	PS O2	PSO 3	
CO1	2		2		2	2							2	2		
CO2								3							1	
CO3									2	2			1		1	
CO4	2	2			2								2	2		
CO5			3	2	2		2				2	2			3	
AVERAGE	2	2	2.5	2	2	2	2	3	2	2	2	2	1.3	2	1.3	
OVERALL MAPPING OF SUBJECT												2.0				

### CO AND PO ATTAINMENT

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	56.90	1.14		1.14		1.14	1.14							1.14	1.14	
CO2	70.63								2.12							0.71
CO3	64.11									1.28	1.28			0.64		0.64
CO4	68.62	1.37	1.37			1.37								1.37	1.37	
CO5	66.80			2.00	1.34	1.34		1.34				1.34	1.34			2.00
AVERAGE	65.41	1.25	1.37	1.57	1.34	1.28	1.14	1.34	2.12	1.28	1.28	1.34	1.34	1.05	1.25	1.12
FINAL ATTAINMENT LEVEL													1.39			

  
STAFF INCHARGE

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

  
PRINCIPAL  
SIET, TUMAKURU.





## Department of Computer Science and Engineering

### COURSE OUTCOME

- CO1.** Make use of propositional and predicate logic in knowledge representation and truth verification.
- CO2.** Demonstrate the application of discrete structures in different fields of computer science.
- CO3.** Solve problems using recurrence relations and generating functions.
- CO4.** Apply different mathematical proofs, techniques in proving theorems.
- CO5.** Compare graphs, trees, and their applications.

### 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			2019-20	
COURSE	B.E	SEMESTER	III	SECTION		
SUBJECT	Discrete Mathematical Structures			SUBJECT CODE	18CS36	

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	2										3		
CO2	3	3	2										3		
CO3	3	3	2										2		
CO4	3	3	2										2		
CO5	3	3	2										3		
Average	3	3	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	49.2	1.47	1.47	0.98										1.47		
CO2	56.4	1.69	1.69	1.12										1.69		
CO3	56.7	1.70	1.70	1.13										1.13		
CO4	61.2	1.83	1.83	1.22										1.22		
CO5	61.5	1.84	1.84	1.23										1.84		
AVERAGE		1.70	1.70	1.13										1.47		

*Veena N.D*

STAFF INCHARGE

*Cv. Veena N.D*  
**HOD**  
**COMPUTER SCIENCES BRANCH**  
**SIET, TUMAKURU.**

*Veena N.D*  
**PRINCIPAL**  
**SIET, TUMAKURU.**







## Department of Computer Science and Engineering

### COURSE OUTCOME

- CO1.** Explain principles of application layer protocols
- CO2.** Outline transport layer services and infer UDP and TCP protocols
- CO3** Classify routers, IP and Routing Algorithms in network layer
- CO4.** Explain the Wireless and Mobile Networks covering IEEE 802.11 Standard
- CO5.** Define 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.
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- PO10** Communication: Communicate effectively on complex engineering activities with the engineering community and with the society.
- PO11** Project management and finance: An ability to use the modern engineering tools, techniques, skills and management principles to do work as a member and leader in a team, to manage projects in multidisciplinary environments.
- PO12** Life-long learning: A recognition of the need for, and an ability to engage in, to resolve contemporary issues and acquire lifelong learning.

COLLEGE	SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY					
FACULTY NAME	Mr. KUMAR H R					
BRANCH	CSE	ACADEMIC YEAR			2019-20	
COURSE	B.E	SEMESTER	V	SECTION		
SUBJECT	Computer Networks and Security			SUBJECT CODE	17CS52	

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		
CO2	3	3											3		
CO3	3	3	2										3		
CO4	3	2											2		
CO5	2												2		
Average	2.6	2.6											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	74.8	2.24												2.24		
CO2	77.7	2.33	2.33											2.33		
CO3	77.5	2.32	2.32	1.55										2.32		
CO4	77.6	2.32	1.55											1.55		
CO5	76.9	1.53												1.53		
AVERAGE		2.14	2.06	1.55										1.99		

Kumar H R  
STAFF INCHARGE

Dr. Srinivas Kumar  
H.O.D.  
COMPUTER SCIENCE & ENGG.,  
SIET, TUMAKURU-06

Nandhu Kumar  
PRINCIPAL  
SIET, TUMAKURU.

Roll No.	USN	Name						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	ISV15CS070	Priya Panda	29	30	30	29	15	15	15	15	2	2	2	2	2	36	7.2	7.2	7.2	7.2	7.2	38	24	24	24	24	27			
2	ISV17CS001	Abhishek Kumar Pr	24	30	30	24	15	15	15	15	2	2	2	2	2	37	7.4	7.4	7.4	7.4	7.4	33	24	24	24	24	26			
3	ISV17CS002	Abhishek Pandey	20	28	27	20	14	14	14	13	2	2	2	2	2	24	4.8	4.8	4.8	4.8	4.8	27	21	21	21	20	22			
4	ISV17CS003	Aishwarya Mery E	21	30	30	21	15	15	15	15	2	2	2	2	2	31	6.2	6.2	6.2	6.2	6.2	29	23	23	23	23	24			
5	ISV17CS004	Aman Prasad Kalwa	30	30	30	30	15	15	15	15	2	2	2	2	2	36	7.2	7.2	7.2	7.2	7.2	39	24	24	24	24	27			
6	ISV17CS006	Anupriya Singh	29	30	30	29	15	15	15	15	2	2	2	2	2	30	6	6	6	6	6	37	23	23	23	23	26			
7	ISV17CS009	Bhoomika M	27	30	30	27	15	15	15	15	2	2	2	2	2	38	7.6	7.6	7.6	7.6	7.6	37	25	25	25	25	27			
8	ISV17CS012	Chandana D Gowda	29	30	30	29	15	15	15	15	2	2	2	2	2	39	7.8	7.8	7.8	7.8	7.8	39	25	25	25	25	28			
9	ISV17CS013	Chethan D	21	28	29	21	14	14	14	14	2	2	2	2	2	36	7.2	7.2	7.2	7.2	7.2	30	23	23	23	24	25			
10	ISV17CS014	Eva Regmi	25	28	28	25	14	14	14	14	2	2	2	2	2	36	7.2	7.2	7.2	7.2	7.2	30	23	23	23	24	25			
11	ISV17CS016	Harshitha B A	22	29	29	22	15	14	14	15	2	2	2	2	2	35	7	7	7	7	7	31	24	23	23	24	25			
12	ISV17CS017	Harshitha K	22	29	29	22	14	15	15	14	2	2	2	2	2	38	7.6	7.6	7.6	7.6	7.6	32	24	25	25	24	26			
13	ISV17CS019	Kavya H S	24	28	30	24	14	14	15	15	2	2	2	2	2	23	4.6	4.6	4.6	4.6	4.6	31	21	21	22	22	23			
14	ISV17CS020	Kavyashree Bk	30	30	30	30	15	15	15	15	2	2	2	2	2	35	7	7	7	7	7	39	24	24	24	24	27			
15	ISV17CS021	Krupankh D N	30	30	30	30	15	15	15	15	2	2	2	2	2	37	7.4	7.4	7.4	7.4	7.4	39	24	24	24	24	27			
16	ISV17CS023	Manasa N R	20	29	29	20	15	14	15	14	2	2	2	2	2	34	6.8	6.8	6.8	6.8	6.8	29	24	23	24	23	24			
17	ISV17CS025	Mayank Sinha	30	30	30	30	15	15	15	15	2	2	2	2	2	28	5.6	5.6	5.6	5.6	5.6	38	23	23	23	23	26			
18	ISV17CS026	Nanditha	30	30	30	30	15	15	15	15	2	2	2	2	2	33	6.6	6.6	6.6	6.6	6.6	39	24	24	24	24	27			
19	ISV17CS029	Nidhi Anand	30	30	30	30	15	15	15	15	2	2	2	2	2	21	4.2	4.2	4.2	4.2	4.2	36	21	21	21	21	24			
20	ISV17CS030	Nikesh Kumar Tiwa	29	30	28	29	15	15	14	14	2	2	2	2	2	17	3.4	3.4	3.4	3.4	3.4	34	20	20	19	19	23			
21	ISV17CS031	Noor Asfiya	21	30	30	21	15	15	15	15	2	2	2	2	2	30	6	6	6	6	6	29	23	23	23	23	24			
22	ISV17CS032	Prathamagowda Y F	20	20	17	20	10	10	10	7	2	2	2	2	2	24	4.8	4.8	4.8	4.8	4.8	27	17	17	17	14	18			
23	ISV17CS035	Rajesh Kumar Kaha	29	30	30	29	15	15	15	15	2	2	2	2	2	26	5.2	5.2	5.2	5.2	5.2	36	22	22	22	22	25			
24	ISV17CS036	Sabha Khanum	23	30	27	23	15	15	14	13	2	2	2	2	2	24	4.8	4.8	4.8	4.8	4.8	30	22	22	21	20	23			
25	ISV17CS037	Sadanand Kumar	19	28	28	19	14	14	14	14	2	2	2	2	2	26	5.2	5.2	5.2	5.2	5.2	26	21	21	21	21	22			
26	ISV17CS038	Saurabh Pandey	22	28	26	22	14	14	13	13	2	2	2	2	2	22	4.4	4.4	4.4	4.4	4.4	28	20	20	19	19	22			
27	ISV17CS039	Tezashree Pokharel	23	28	27	23	14	14	13	14	2	2	2	2	2	38	7.6	7.6	7.6	7.6	7.6	33	24	24	23	24	25			
28	ISV17CS040	Udaya	23	26	29	23	13	13	15	14	2	2	2	2	2	33	6.6	6.6	6.6	6.6	6.6	32	22	22	24	23	24			
29	ISV17CS041	Vidya C M	17	27	25	17	14	13	13	12	2	2	2	2	2	24	4.8	4.8	4.8	4.8	4.8	24	21	20	20	19	21			
30	ISV17CS042	Vijay Kumar Jha	25	28	30	25	14	14	15	15	2	2	2	2	2	31	6.2	6.2	6.2	6.2	6.2	33	22	22	23	23	25			
																					33	23	22	23	22					
																					74.8	77.7	77.5	77.6	76.9					



## Department of Computer Science and Engineering

### COURSE OUTCOME

- CO1.** Summarize the concepts database objects; enforce integrity constraints on a database using RDBMS
- CO2.** Use Structured Query Language (SQL) for database manipulation
- CO3** Design simple database systems
- CO4.** Design code for some application to interact with databases

### 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. MALLESH H L					
BRANCH	CSE	ACADEMIC YEAR			2019-20	
COURSE	B.E	SEMESTER	V	SECTION		
SUBJECT	Database Management System			SUBJECT CODE	17CS53	

### 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							2		3	
CO2	2	3	3		2							2		3	
CO3	3	3	3		3							2		3	3
CO4	3	3	3		3							2		3	3
Average	2.5	2.75	2.75		2.5							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	81.6	1.63	1.63	1.63		1.63							1.63		2.44	
CO2	71.1	1.42	2.13	2.13		1.42							1.42		2.13	
CO3	71.2	2.13	2.13	2.13		2.13							1.42		2.13	2.13
CO4	90.6	2.71	2.71	2.71		2.71							1.81		2.71	2.71
AVERAGE		1.97	2.15	2.15		1.97							1.57		2.35	2.42

HLM

STAFF INCHARGE

*C. V. Malleesh H L*

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

*N. Srinivas Kumar*  
PRINCIPAL  
SIET, TUMAKURU.

Roll No.	USN	Name	IA			T1	T2			T3	ASSIGNMENT 10/4				EXTERNAL				FINAL				TOT AL AVG			
			T1	T2	T3	CO1-30	CO2-15	CO3-15	CO4-30	CO1-3	CO2-2	CO3-2	CO4-3	SEE(6 0)	CO1-15	CO2-15	CO3-15	CO4-15	CO1-48	CO2-32	CO3-32	CO4-48				
1	ISV15CS070	Priya Panda	30	30	30	30	15	15	30	3	2	2	3	28	7	7	7	7	40	24	24	40	32			
2	ISV17CS001	Abhishek Kumar Prasad	30	30	30	30	15	15	30	3	2	2	3	31	7.8	7.8	7.8	7.8	40.8	24.8	24.8	40.8	32.8			
3	ISV17CS002	Abhishek Pandey	27	27	25	27	14	13	25	3	2	2	3	21	5.3	5.3	5.3	5.3	35.3	21.3	20.3	33.3	27.6			
4	ISV17CS003	Aishwarya Mery E.	30	30	30	30	15	15	30	3	2	2	3	21	5.3	5.3	5.3	5.3	38.3	22.3	22.3	38.3	30.3			
5	ISV17CS004	Aman Prasad Kalwar	30	30	30	30	15	15	30	3	2	2	3	50	12.5	12.5	12.5	12.5	45.5	29.5	29.5	45.5	37.5			
6	ISV17CS006	Anupriya Singh	30	30	30	30	15	15	30	3	2	2	3	33	8.3	8.3	8.3	8.3	41.3	25.3	25.3	41.3	33.3			
7	ISV17CS009	Bhoomika M	30	30	30	30	15	15	30	3	2	2	3	30	7.5	7.5	7.5	7.5	40.5	24.5	24.5	40.5	32.5			
8	ISV17CS012	Chandana D Gowda	30	30	30	30	15	15	30	3	2	2	3	26	6.5	6.5	6.5	6.5	39.5	23.5	23.5	39.5	31.5			
9	ISV17CS013	Chethan D	30	30	30	30	15	15	30	3	2	2	3	23	5.8	5.8	5.8	5.8	38.8	22.8	22.8	38.8	30.8			
10	ISV17CS014	Eva Regmi	30	22	25	30	11	11	25	3	2	2	3	25	6.3	6.3	6.3	6.3	39.3	19.3	19.3	34.3	28.1			
11	ISV17CS016	Harshitha B A	30	30	30	30	15	15	30	3	2	2	3	21	5.3	5.3	5.3	5.3	38.3	22.3	22.3	38.3	30.3			
12	ISV17CS017	Harshitha K	30	30	30	30	15	15	30	3	2	2	3	23	5.8	5.8	5.8	5.8	38.8	22.8	22.8	38.8	30.8			
13	ISV17CS019	Kavya H S	30	30	30	30	15	15	30	3	2	2	3	21	5.3	5.3	5.3	5.3	38.3	22.3	22.3	38.3	30.3			
14	ISV17CS020	Kavyashree Bk	30	30	30	30	15	15	30	3	2	2	3	23	5.8	5.8	5.8	5.8	38.8	22.8	22.8	38.8	30.8			
15	ISV17CS021	Krupankh D N	30	30	30	30	15	15	30	3	2	2	3	37	9.3	9.3	9.3	9.3	42.3	26.3	26.3	42.3	34.3			
16	ISV17CS023	Manasa N R	30	30	30	30	15	15	30	3	2	2	3	30	7.5	7.5	7.5	7.5	40.5	24.5	24.5	40.5	32.5			
17	ISV17CS025	Mayank Sinha	30	30	30	30	15	15	30	3	2	2	3	23	5.8	5.8	5.8	5.8	38.8	22.8	22.8	38.8	30.8			
18	ISV17CS026	Nanditha	30	30	30	30	15	15	30	3	2	2	3	21	5.3	5.3	5.3	5.3	38.3	22.3	22.3	38.3	30.3			
19	ISV17CS029	Nidhi Anand	30	30	30	30	15	15	30	3	2	2	3	23	5.8	5.8	5.8	5.8	38.8	22.8	22.8	38.8	30.8			
20	ISV17CS030	Nikesh Kumar Tiwari	30	30	30	30	15	15	30	3	2	2	3	17	4.3	4.3	4.3	4.3	37.3	21.3	21.3	37.3	29.3			
21	ISV17CS031	Noor Asfiya	30	30	26	30	15	15	26	3	2	2	3	27	6.8	6.8	6.8	6.8	39.8	23.8	23.8	35.8	30.8			
22	ISV17CS032	Prathamagowda Y P	30	15	17	30	7	8	17	3	2	2	3	23	5.8	5.8	5.8	5.8	38.8	14.8	15.8	25.8	23.8			
23	ISV17CS035	Rajesh Kumar Kahar	30	30	30	30	15	15	30	3	2	2	3	31	7.8	7.8	7.8	7.8	40.8	24.8	24.8	40.8	32.8			
24	ISV17CS036	Sabha Khanum	30	28	22	30	14	14	22	3	2	2	3	26	6.5	6.5	6.5	6.5	39.5	22.5	22.5	31.5	29			
25	ISV17CS037	Sadanand Kumar	21	26	27	21	13	13	27	3	2	2	3	17	4.3	4.3	4.3	4.3	28.3	19.3	19.3	34.3	25.3			
26	ISV17CS038	Saurabh Pandey	30	23	27	30	11	12	27	3	2	2	3	15	3.8	3.8	3.8	3.8	36.8	16.8	17.8	33.8	26.3			
27	ISV17CS039	Tezashree Pokharel	30	22	30	30	11	11	30	3	2	2	3	26	6.5	6.5	6.5	6.5	39.5	19.5	19.5	39.5	29.5			
28	ISV17CS040	Udaya	30	30	30	30	15	15	30	3	2	2	3	33	8.3	8.3	8.3	8.3	41.3	25.3	25.3	41.3	33.3			
29	ISV17CS041	Vidya C M	30	30	26	30	15	15	26	3	2	2	3	21	5.3	5.3	5.3	5.3	38.3	22.3	22.3	34.3	29.3			
30	ISV17CS042	Vijay Kumar Jha	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			
																			39.1	22.7	22.8	38.0				
																			81.6	71.1	71.2	90.6				



**SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY**

**SIRA ROAD, TUMKUR- 572 106.**

## **Department of Computer Science and Engineering**

### **COURSE OUTCOME**

- CO1.** 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**

- 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. KIRAN G M					
BRANCH	CSE	ACADEMIC YEAR			2019-20	
COURSE	B.E	SEMESTER	V	SECTION		
SUBJECT	Automata Theory and Computability			SUBJECT CODE	17CS54	

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	65.3	1.95	0.65	0.65									0.65			1.30
CO2	74.8	1.49											0.74			1.49
CO3	74.1	0.74														1.49
CO4	75.4	0.75	0.75	1.50									0.75			1.50
CO5	75.4	1.50	1.50										0.75			1.50
AVERAGE		1.28	0.96	1.07									0.72			1.45


Kg  
STAFF INCHARGE

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

*Prakash Sankar*  
PRINCIPAL  
SIET, TUMAKURU.



SUB:OS			2021-22			EVEN			KIRAN GM				SEM:IV				TOTAL						
Roll No.	USN	Name	T1			T2			T3	ASSIGNMENT 10/4				SEE				FINAL					
			T1	T2	T3	CO1-30	CO2-15	CO3-15	CO4-30	CO1-2	CO2-2	CO3-3	CO4-3	SEE(60)	CO1-15	CO2-15		CO3-15	CO4-15	CO1-47	CO2-32	CO3-33	CO4-48
1	ISV20CS001	ANUSHA B S	28	27	29	28	14	13	29	2	2	3	3	39	9.75	9.75	9.75	9.75	40	26	26	42	33
2	ISV20CS002	ANUSHA R	23	28	28	23	14	14	28	2	2	3	3	41	10.25	10.25	10.25	10.25	35	26	27	41	33
3	ISV20CS003	ASFA KHANUM	28	28	28	28	14	14	28	2	2	3	3	38	9.5	9.5	9.5	9.5	40	26	27	41	33
4	ISV20CS004	ASHA	24	27	29	24	14	13	29	2	2	3	3	24	6	6	6	6	32	22	22	38	29
5	ISV20CS005	ASHWINI S	26	27	28	26	14	13	28	2	2	3	3	24	6	6	6	6	34	22	22	37	29
6	ISV20CS006	BORISH KONGBRAILATPAM	29	29	28	29	15	14	28	2	2	3	3	43	10.75	10.75	10.75	10.75	42	28	28	42	35
7	ISV20CS007	DHEERAJ KUMAR P	26	27	28	26	13	14	28	2	2	3	3	17	4.25	4.25	4.25	4.25	32	19	21	35	27
8	ISV20CS008	DIBESH SRESTHA	22	27	28	22	14	13	28	2	2	3	3	23	5.75	5.75	5.75	5.75	30	22	22	37	28
9	ISV20CS009	EMILY LAURA	27	29	28	27	15	14	28	2	2	3	3	32	8	8	8	8	37	25	25	39	32
10	ISV20CS010	G MALINDARAYA	28	27	27	28	13	14	27	2	2	3	3	24	6	6	6	6	36	21	23	36	29
11	ISV20CS011	GERISHA V	27	15	25	27	8	7	25	2	2	3	3	21	5.25	5.25	5.25	5.25	34	15	15	33	25
12	ISV20CS012	H R ABHINANDAN	27	24	28	27	12	12	28	2	2	3	3	21	5.25	5.25	5.25	5.25	34	19	20	36	28
13	ISV20CS013	HABIBULLA SADIK MULLA	26	24	25	26	12	12	25	2	2	3	3	31	7.75	7.75	7.75	7.75	36	22	23	36	29
14	ISV20CS014	HARSHITHA T A	28	27	28	28	13	14	28	2	2	3	3	37	9.25	9.25	9.25	9.25	39	24	26	40	33
15	ISV20CS015	JAHDUL ISLAM	19	27	21	19	13	14	21	2	2	3	3	23	5.75	5.75	5.75	5.75	27	21	23	30	25
16	ISV20CS016	JAYANTH D S	26	21	21	26	10	11	21	2	2	3	3	36	9	9	9	9	37	21	23	33	29
17	ISV20CS017	KAVYA M	27	27	28	27	14	13	28	2	2	3	3	32	8	8	8	8	37	24	24	39	31
18	ISV20CS018	KEERTHANA KUMBAR	27	27	17	27	14	13	17	2	2	3	3	29	7.25	7.25	7.25	7.25	36	23	23	27	28
19	ISV20CS019	M P SHISHIER	9	14	12	9	7	7	12	2	2	3	3	0	0	0	0	0	11	9	10	15	11
20	ISV20CS020	MADHURA SHREE M	27	29	27	27	15	14	27	2	2	3	3	3	0.75	0.75	0.75	0.75	30	18	18	31	24
21	ISV20CS021	MAJMAANJUM	21	21	28	21	10	11	28	2	2	3	3	31	7.75	7.75	7.75	7.75	31	20	22	39	28
22	ISV20CS022	MAMATHA K	13	27	29	13	13	14	29	2	2	3	3	21	5.25	5.25	5.25	5.25	20	20	22	37	25
23	ISV20CS023	MANOJ KUMAR PATIL	15	AB	17	15	0	0	17	2	2	3	3	36	9	9	9	9	26	11	12	29	20
24	ISV20CS024	MANTESH H RANGARADDI	29	28	29	29	14	14	29	2	2	3	3	38	7.5	7.5	7.5	7.5	39	24	25	40	32
25	ISV20CS025	MORHAMMED NABIL	13	27	25	13	14	13	25	2	2	3	3	9	2.25	2.25	2.25	2.25	17	18	18	30	21
26	ISV20CS026	MORHAMMED OWAIS KHAN	AB	24	15	0	12	12	15	2	2	3	3	21	5.25	5.25	5.25	5.25	7	19	20	23	18
27	ISV20CS027	MONIN PASHA	AB	AB	AB	0	0	0	0	2	2	3	3	0	0	0	0	0	2	2	3	3	3
28	ISV20CS028	MONIKA A	25	9	18	25	5	4	18	2	2	3	3	18	4.5	4.5	4.5	4.5	32	12	12	26	20
29	ISV20CS029	MYTHRI B N	22	27	25	22	13	14	25	2	2	3	3	25	6.25	6.25	6.25	6.25	30	21	23	34	27
30	ISV20CS030	NANDINI T S	0	AB	AB	0	0	0	0	2	2	3	3	0	0	0	0	0	2	2	3	3	3
31	ISV20CS031	NAYANA D O	28	28	24	28	14	14	24	2	2	3	3	24	6	6	6	6	36	22	23	33	29
32	ISV20CS032	NETHRA PRASAD D R	20	24	23	20	12	12	23	2	2	3	3	21	5.25	5.25	5.25	5.25	27	19	20	31	25
33	ISV20CS033	PARTHA H R	14	27	24	14	14	13	24	2	2	3	3	21	5.25	5.25	5.25	5.25	21	21	21	32	24
34	ISV20CS034	PUSHRAJ	29	28	28	29	14	14	28	2	2	3	3	28	7	7	7	7	38	23	24	38	31
35	ISV20CS035	RAHEL AJITH KUMBAR	21	21	29	21	11	10	29	2	2	3	3	38	9.5	9.5	9.5	9.5	33	23	23	42	30
36	ISV20CS036	ROUSHANI BEGUM	29	27	29	29	13	14	29	2	2	3	3	31	7.75	7.75	7.75	7.75	39	23	25	40	32
37	ISV20CS037	SADASHISH KUMAR BHOKTA	30	27	29	30	13	14	29	2	2	3	3	31	7.75	7.75	7.75	7.75	40	23	25	40	32
38	ISV20CS038	SAGAR S K	6	27	23	6	13	14	23	2	2	3	3	1	0.25	0.25	0.25	0.25	8	15	17	26	17
39	ISV20CS039	SANIYA SARDAR	27	27	28	27	14	13	28	2	2	3	3	23	5.75	5.75	5.75	5.75	35	22	22	37	29

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

40	ISV20CS040	SEKH FARDEEN	15	27	28	15	14	13	28	2	2	3	3	22	5.5	5.5	5.5	5.5	23	22	22	37	26
41	ISV20CS041	SHAIK RABBANI	27	24	24	27	13	14	24	2	2	3	3	15	3.75	3.75	3.75	3.75	33	19	21	31	26
42	ISV20CS042	SHARIBA FIRDOSE	21	29	28	21	15	14	28	2	2	3	3	21	5.25	5.25	5.25	5.25	28	22	22	36	27
43	ISV20CS043	SHASHIREKHA M	27	27	20	27	14	13	20	2	2	3	3	0	0	0	0	0	29	16	16	23	21
44	ISV20CS045	SHRAVANAKUMARA T	28	26	29	28	13	13	29	2	2	3	3	21	5.25	5.25	5.25	5.25	35	20	21	37	29
45	ISV20CS046	SIDHANT PANDIT	9	27	15	9	13	14	15	2	2	3	3	18	4.5	4.5	4.5	4.5	16	20	22	23	20
46	ISV20CS047	SMRITI DEWANGAN	28	28	28	28	14	14	28	2	2	3	3	35	8.75	8.75	8.75	8.75	39	25	26	40	32
47	ISV20CS048	SOUVIK KARAK	28	27	28	28	13	14	28	2	2	3	3	29	7.25	7.25	7.25	7.25	37	22	24	38	31
48	ISV20CS049	SRIKIRAN B	21	4	12	21	2	2	12	2	2	3	3	31	7.75	7.75	7.75	7.75	31	12	13	23	20
49	ISV20CS050	SUSHMITHA K	29	29	28	29	14	15	28	2	2	3	3	28	7	7	7	7	38	23	25	38	31
50	ISV20CS051	TEJASHWINI B	27	27	16	27	13	14	16	2	2	3	3	29	7.25	7.25	7.25	7.25	36	22	24	26	27
51	ISV20CS052	TEJESHWAR T R	19	27	23	19	13	14	23	2	2	3	3	24	6	6	6	6	27	21	23	32	26
52	ISV20CS053	USHA B N	28	27	29	28	14	13	29	2	2	3	3	30	7.5	7.5	7.5	7.5	38	24	24	40	31
53	ISV20CS054	VAISHNAVI BHUSHAN	30	29	29	30	14	15	29	2	2	3	3	48	12	12	12	12	44	28	30	44	37
54	ISV20CS055	VARSHITHA T N	29	29	30	29	14	15	30	2	2	3	3	26	6.5	6.5	6.5	6.5	38	23	25	40	31
55	ISV20CS056	VENKATESH DALAWAI	29	27	28	29	14	13	28	2	2	3	3	35	8.75	8.75	8.75	8.75	40	25	25	40	32
																			30.7	20.3	21.2	33.4	
																			65	63	64	71	

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**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

<b>SUBJECT</b>	<b>OBJECT ORIENTED MODELLING AND DESIGN</b>	<b>SUBJECT CODE</b>	<b>17CS551</b>
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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					2019-20				
COURSE	B.E		SEMESTER			V									
SUBJECT	OBJECT ORIENTED MODELLING AND DESIGN							SUBJECT CODE			17CS551				

**CO & PO MAPPING**

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PS O1	PS O2	PS O3
CO1	2	3	2						2	1		2	1		2
CO2	1		2		2			1		2		2			1
CO3	1		2			1		2				2	2		
CO4					2						2			1	
CO5			1		1	1		2			1				1
AVERAGE	1.33	3	1.75		1.66	2		1.66	2	1.5	1.5	2	1.5	1	1.33
<b>OVERALL MAPPING OF SUBJECT</b>												1.71			

**CO AND PO ATTAINMENT**

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO 1	PSO 2	PS O3
CO1	69.37	1.38	2.07	1.38						1.38	0.69		1.38	0.69		1.38
CO2	44.37	0.44		0.88		0.88			0.44		0.88		0.88			0.44
CO3	43.819	0.43		0.87			0.43		0.87				0.87	0.87		
CO4	46.59					0.93						0.93			0.46	
CO5	45.76			0.45		0.45	0.45		0.9			0.45				0.45
AVERAGE	49.98	0.75	2.07	0.89		0.75	0.44		0.73	1.38	0.78	0.69	1.04	0.78	0.46	0.75
<b>FINAL ATTAINMENT LEVEL</b>													0.96			

A  
STAFF INCHARGE

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

Principal  
SIET, TUMAKURU.

19-20 odd  
CS

		17CS551	OOM19-2020 OSEM :V SEM RPC: Mrs. RENUKARADHYA P C															
Roll No.	USN	Name				T1	T2	T3	ASSIGNMENT 10/4				SEE			Final		
			T1	T2	T3	CO1-30	CO2-30	CO3-30	CO1-3.33	CO2-3.33	CO3-3.33	see	CO1-12	CO2-12	CO3-12	CO1-48	CO2-48	CO3-48
1	ISV15CS070	Priya Panda	30	30	30	30	30	30	3.33	3.33	3.33	35	9.33	9.33	9.33	42.7	42.7	42.7
2	ISV17CS001	Abhishek Kumar Prasad	15	28	30	15	28	30	3.33	3.33	3.33	21	7	7	7	36.3	33.3	30.3
3	ISV17CS002	Abhishek Pandey	26	23	20	26	23	20	3.33	3.33	3.33	29	9.67	9.67	9.67	43	43	43
4	ISV17CS003	Aishwarya Mery E	28	28	30	28	28	30	3.33	3.33	3.33	32	10.7	10.7	10.7	42	42	44
5	ISV17CS004	Aman Prasad Kalwar	30	30	30	30	30	30	3.33	3.33	3.33	29	9.67	9.67	9.67	43	43	43
6	ISV17CS006	Anupriya Singh	28	30	30	28	30	30	3.33	3.33	3.33	37	12.3	12.3	12.3	43.7	45.7	45.7
7	ISV17CS009	Bhoomika M	30	30	30	30	30	30	3.33	3.33	3.33	39	13	13	13	46.3	46.3	46.3
8	ISV17CS012	Chandana D Gowda	28	30	28	28	30	28	3.33	3.33	3.33	45	15	15	15	46.3	48.3	46.3
9	ISV17CS013	Chethan D	29	30	30	29	30	30	3.33	3.33	3.33	40	13.3	13.3	13.3	45.7	46.7	46.7
10	ISV17CS014	Eva Regmi	20	26	24	20	26	24	3.33	3.33	3.33	39	13	13	13	36.3	42.3	40.3
11	ISV17CS016	Harshitha B A	28	27	30	28	27	30	3.33	3.33	3.33	43	14.3	14.3	14.3	45.7	44.7	47.7
12	ISV17CS017	Harshitha K	28	28	21	28	28	21	3.33	3.33	3.33	29	9.67	9.67	9.67	41	41	34
13	ISV17CS019	Kavya H S	24	29	16	24	29	16	3.33	3.33	3.33	36	12	12	12	39.3	44.3	31.3
14	ISV17CS020	Kavyashree Bk	22	28	30	22	28	30	3.33	3.33	3.33	31	10.3	10.3	10.3	35.7	41.7	43.7
15	ISV17CS021	Krupankh D N	30	30	30	30	30	30	3.33	3.33	3.33	28	9.33	9.33	9.33	42.7	42.7	42.7
16	ISV17CS023	Manasa N R	30	30	30	30	30	30	3.33	3.33	3.33	49	16.3	16.3	16.3	49.7	49.7	49.7
17	ISV17CS025	Mayank Sinha	29	30	30	29	30	30	3.33	3.33	3.33	41	13.7	13.7	13.7	46	47	47
18	ISV17CS026	Nanditha	28	28	30	28	28	30	3.33	3.33	3.33	39	13	13	13	44.3	44.3	46.3
19	ISV17CS029	Nidhi Anand	23	30	30	23	30	30	3.33	3.33	3.33	29	9.67	9.67	9.67	36	43	43
20	ISV17CS030	Nikesh Kumar Tiwari	21	22	28	21	22	28	3.33	3.33	3.33	22	7.33	7.33	7.33	31.7	32.7	38.7
21	ISV17CS031	Noor Asfiya	29	30	30	29	30	30	3.33	3.33	3.33	35	11.7	11.7	11.7	44	45	45
22	ISV17CS032	Prathamagowda Y P	12	26	22	12	26	22	3.33	3.33	3.33	34	11.3	11.3	11.3	26.7	40.7	36.7
23	ISV17CS035	Rajesh Kumar Kahar	27	28	30	27	28	30	3.33	3.33	3.33	33	11	11	11	41.3	42.3	44.3
24	ISV17CS036	Sabha Khanum	16	27	28	16	27	28	3.33	3.33	3.33	22	7.33	7.33	7.33	26.7	37.7	38.7
25	ISV17CS037	Sadanand Kumar	21	20	28	21	20	28	3.33	3.33	3.33	37	12.3	12.3	12.3	36.7	35.7	43.7
26	ISV17CS038	Saurabh Pandey	20	11	15	20	11	15	3.33	3.33	3.33	26	8.67	8.67	8.67	32	23	27
27	ISV17CS039	Tezashree Pokharel	23	28	28	23	28	28	3.33	3.33	3.33	29	9.67	9.67	9.67	36	41	41
28	ISV17CS040	Udaya	26	30	30	26	30	30	3.33	3.33	3.33	30	10	10	10	39.3	43.3	43.3
29	ISV17CS041	Vidya C M	24	23	28	24	23	28	3.33	3.33	3.33	27	9	9	9	36.3	35.3	40.3
30	ISV17CS042	Vijay Kumar Jha	16	28	28	16	28	28	3.33	3.33	3.33	25	8.33	8.33	8.33	27.7	39.7	39.7
																39	41.6	41.8
																81.3	86.7	87.1

Synthetic Staff

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

## Department of Computer Science and Engineering

2019-2020

### COURSE OUTCOMES

Subject: **DOT NET FRAMEWORK FOR APPLICATION DEVELOPMENT** Subject Code: **17CS564**

- CO1. Build applications on Visual Studio .NET platform by understanding the syntax and semantics of C#
- CO2. Demonstrate Object Oriented Programming concepts in C# programming language
- CO3. Design custom interfaces for applications and leverage the available built-in interfaces in building complex applications.
- CO4. Illustrate the use of generics and collections in C#
- CO5. Compose queries to query in-memory data and define own operator behavior

### 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. CHETHAN M S															
BRANCH		CSE				ACADEMIC YEAR				2019-2020							
COURSE	B.E	SEMESTER				V		SECTION									
SUBJECT	DOT NET FRAMEWORK FOR APPLICATION DEVELOPMENT						SUBJECT CODE				17CS564						

**CO & PO MAPPING**

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	2	2	-	3	-	-	-	-	-	-	2	2	-	3
CO2	3	2	3	-	3	-	-	-	-	-	-	2	2	-	2
CO3	3	2	3	-	3	-	-	-	-	-	-	2	3	-	2
CO4	3	3	3	-	3	-	-	-	-	-	-	2	2	-	2
CO5	2	2	2	-	3	-	-	-	-	-	2	3	2	-	2
AVG	2.8	2.2	2.6	-	3.0	-	-	-	-	-	2	2.2	2.2	-	2.2
OVERALL MAPPING OF SUBJECT												2.4			

**CO AND PO ATTAINMENT**

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	64.98	1.94	1.29	1.29	-	1.94	-	-	-	-	-	-	1.29	1.29	-	1.94
CO2	67.67	2.03	1.35	2.03	-	2.03	-	-	-	-	-	-	1.35	1.35	-	1.35
CO3	66.52	1.99	1.33	1.99	-	1.99	-	-	-	-	-	-	1.33	1.99	-	1.33
CO4	77.44	2.32	2.32	2.32	-	2.32	-	-	-	-	-	-	1.54	1.54	-	1.54
CO5	76.64	1.53	1.53	1.53	-	2.29	-	-	-	-	-	1.53	2.29	1.53	-	1.53
AVERAGE	70.65	1.96	1.56	1.83	-	2.11	-	-	-	-	-	1.53	1.56	1.54	-	1.53
FINAL ATTAINMENT LEVEL													1.70			

*Chethan M S*  
 STAFF INCHARGE

*C. S. Shankar Kumar*  
 HOD.  
 COMPUTER SCIENCE & ENGG.,  
 SIET, TUMAKURU

*Manjunath Kumar*  
 PRINCIPAL  
 SIET, TUMAKURU

**Department of Computer Science and Engineering**

COURSE INSTRUCTOR: Prof. CHETHAN M			COURSE CODE:17CS564		COURSE: DOT NET FRAMEWORK FOR APPLICATION DEVELOPMENT					SEM: V SEM		2019-2020 EVEN SEM					CSE									
Roll No.	USN	Name	T1-30	T2-30	T3-30	ASSIGNMENT-10					SEE-60M					FINAL					SET					
						T1	T2	T3	CO1-15	CO2-15	CO3-15	CO4-15	CO5-15	CO1-12	CO2-12	CO3-12	CO4-12	CO5-12	CO1-25	CO2-25		CO3-25	CO4-25	CO5-25		
1	ISV15CS070	Priya Panda	23	27	30	23	14	13	15	15	2	2	2	2	2	6.2	6.2	6.2	6.2	6.2	31.20	22.20	21.20	23.20	23.20	31
2	ISV17CS001	Abhishek Kumar Prasad	16	20	30	16	10	10	15	15	2	2	2	2	2	6	6	6	6	6	24.00	18.00	18.00	23.00	23.00	30
3	ISV17CS002	Abhishek Pandey	17	21	30	17	11	10	15	15	2	2	2	2	2	5.8	5.8	5.8	5.8	5.8	24.80	18.80	17.80	22.80	22.80	29
4	ISV17CS003	Aishwarya Mery E	23	30	30	23	15	15	15	15	2	2	2	2	2	6.6	6.6	6.6	6.6	6.6	31.60	23.60	23.60	23.60	23.60	33
5	ISV17CS004	Aman Prasad Kalwar	29	30	30	29	15	15	15	15	2	2	2	2	2	7.2	7.2	7.2	7.2	7.2	38.20	24.20	24.20	24.20	24.20	36
6	ISV17CS006	Anupriya Singh	29	30	30	29	15	15	15	15	2	2	2	2	2	7.2	7.2	7.2	7.2	7.2	38.20	24.20	24.20	24.20	24.20	36
7	ISV17CS009	Bhoomika M	21	22	30	21	11	11	15	15	2	2	2	2	2	6.2	6.2	6.2	6.2	6.2	29.20	19.20	19.20	23.20	23.20	31
8	ISV17CS012	Chandana D Gowda	28	30	30	28	15	15	15	15	2	2	2	2	2	7	7	7	7	7	37.00	24.00	24.00	24.00	24.00	35
9	ISV17CS013	Chethan D	20	20	30	20	10	10	15	15	2	2	2	2	2	6	6	6	6	6	28.00	18.00	18.00	23.00	23.00	30
10	ISV17CS014	Eva Regmi	14	22	27	14	11	11	14	13	2	2	2	2	2	5.8	5.8	5.8	5.8	5.8	21.80	18.80	18.80	21.80	20.80	29
11	ISV17CS016	Harshitha B A	24	25	27	24	13	12	14	13	2	2	2	2	2	5.8	5.8	5.8	5.8	5.8	31.80	20.80	19.80	21.80	20.80	29
12	ISV17CS017	Harshitha K	9	18	27	9	9	9	14	13	2	2	2	2	2	5	5	5	5	5	16.00	16.00	16.00	21.00	20.00	25
13	ISV17CS019	Kavya H S	10	16	28	10	8	8	14	14	2	2	2	2	2	4.8	4.8	4.8	4.8	4.8	16.80	14.80	14.80	20.80	20.80	24
14	ISV17CS020	Kavyashree Bk	15	10	30	15	5	5	15	15	2	2	2	2	2	5	5	5	5	5	22.00	12.00	12.00	22.00	22.00	25
15	ISV17CS021	Krupankh D N	28	30	30	28	15	15	15	15	2	2	2	2	2	6	6	6	6	6	36.00	23.00	23.00	23.00	23.00	30
16	ISV17CS023	Manasa N R	26	26	30	26	13	13	15	15	2	2	2	2	2	6.6	6.6	6.6	6.6	6.6	34.60	21.60	21.60	23.60	23.60	33
17	ISV17CS025	Mayank Sinha	29	30	30	29	15	15	15	15	2	2	2	2	2	6.8	6.8	6.8	6.8	6.8	37.80	23.80	23.80	23.80	23.80	34
18	ISV17CS026	Nanditha	21	21	30	21	11	10	15	15	2	2	2	2	2	6.2	6.2	6.2	6.2	6.2	29.20	19.20	18.20	23.20	23.20	31
19	ISV17CS029	Nidhi Anand	27	23	30	27	12	11	15	15	2	2	2	2	2	6.6	6.6	6.6	6.6	6.6	35.60	20.60	19.60	23.60	23.60	33
20	ISV17CS030	Nikesh Kumar Tiwari	23	24	30	23	12	12	15	15	2	2	2	2	2	6	6	6	6	6	31.00	20.00	20.00	23.00	23.00	30
21	ISV17CS031	Noor Asfiya	17	19	25	17	10	9	13	12	2	2	2	2	2	5.2	5.2	5.2	5.2	5.2	24.20	17.20	16.20	20.20	19.20	28
22	ISV17CS032	Prathamagowda Y P	15	8	22	15	4	4	11	11	2	2	2	2	2	4.8	4.8	4.8	4.8	4.8	21.80	10.80	10.80	17.80	17.80	24
23	ISV17CS035	Rajesh Kumar Kahar	25	26	30	25	13	13	15	15	2	2	2	2	2	6.2	6.2	6.2	6.2	6.2	33.20	21.20	21.20	23.20	23.20	31
24	ISV17CS036	Sabha Khanum	16	17	27	16	9	8	14	13	2	2	2	2	2	5.6	5.6	5.6	5.6	5.6	23.60	16.60	15.60	21.60	20.60	28
25	ISV17CS037	Sadanaad Kumar	18	25	30	18	13	12	15	15	2	2	2	2	2	6	6	6	6	6	26.00	21.00	20.00	23.00	23.00	30
26	ISV17CS038	Saurabh Pandey	26	27	25	26	14	13	13	12	2	2	2	2	2	6.6	6.6	6.6	6.6	6.6	34.60	22.60	21.60	21.60	20.60	33
27	ISV17CS039	Tezashree Pokharel	24	16	30	24	8	8	15	15	2	2	2	2	2	6.2	6.2	6.2	6.2	6.2	32.20	16.20	16.20	23.20	23.20	31
28	ISV17CS040	Udaya	27	30	25	27	15	15	13	12	2	2	2	2	2	6.6	6.6	6.6	6.6	6.6	35.60	23.60	23.60	21.60	20.60	33
29	ISV17CS041	Vidya C M	0	13	30	0	12	11	15	15	2	2	2	2	2	4.4	4.4	4.4	4.4	4.4	6.40	18.40	17.40	21.40	21.40	22
30	ISV17CS042	Vijay Kumar Jha	19	24	30	19	12	12	15	15	2	2	2	2	2	4.4	4.4	4.4	4.4	4.4	25.40	18.40	18.40	21.40	21.40	22
																AVG										
																%					64.9848	67.67816	66.5287	77.4483	76.643678	

*Chethan M S*  
CHETHAN M S

*Dr. Jannayya Jannayya*  
HOD,  
COMPUTER SCIENCE & ENGG.,  
SIET, TUMAKURU-06.





**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

<b>SUBJECT</b>	<b>WEB TECHNOLOGY AND ITS APPLICATIONS</b>	<b>SUBJECT CODE</b>	<b>15CS71</b>
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**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 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					2019-20					
COURSE	B.E	SEMESTER					VII									
SUBJECT	WEB TECHNOLOGY AND ITS APPLICATIONS					SUBJECT CODE					15CS71					

### CO & PO MAPPING

	PO 1	PO 2	PO 3	PO 4	PO5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PSO 1	PSO 2	PSO 3
CO1	2	3	2	1								2	1		
CO2	3		2		2					1		2			
CO3	2		2					1				2		1	
CO4					1						1				
CO5													2		1
AVERAGE	2.33	3	2	1	1.5			1		1	1	2	1.5	1	1
OVERALL MAPPING OF SUBJECT													1.52		

### CO AND PO ATTAINMENT

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PS1	PS2	PS3
CO1	40.78	0.81	1.2	0.81	0.40								1.08	0.40		
CO2	24.75	0.24		0.49		0.49					0.24		1.09			
CO3	23.12	0.23		0.46					0.23				1.20		0.23	
CO4	15.38					0.15						0.15				
CO5	14.29															0.14
AVERAGE	23.66	0.42	1.2	0.58	0.40	0.32			0.23		0.24	0.15	1.12	0.40	0.23	0.14
FINAL ATTAINMENT LEVEL													0.45			

STAFF INCHARGE

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

PRINCIPAL  
SIET, TUMAKURU.

19-20 odd  
CS

Roll No.	USN	Name	17CS: WTA 119-2020 OC SEM :VII SEM RPC: Mrs. RENUKARADHYA P C										see	SEE					Final							
			T1	T2	T3	T3	T3	ASSIGNMENT 5/5						CO1	CO2	CO3	CO4	CO5	CO1	CO2	CO3	CO4	CO5			
			CO1-15	CO2-15	CO3-15	CO4-15	CO5-15	CO1	CO2	CO3	CO4	CO5		CO1	CO2	CO3	CO4	CO5	CO1	CO2	CO3	CO4	CO5			
1	1SV14CS036	Midila Muruli	AB	9	14	0	5	4	7	7	1	1	1	1	1	22	0	0	0	0	0	1	6	5	8	8
2	1SV14CS040	Nirmitha B	9	11	AB	9	6	5	0	0	1	1	1	1	1	30	1.8	1.8	1.8	1.8	1.8	11.8	8.8	7.8	2.8	2.8
3	1SV15CS001	Adithya shah	7	10	AB	7	5	5	0	0	1	1	1	1	1	22	1.4	1.4	1.4	1.4	1.4	9.4	7.4	7.4	2.4	2.4
4	1SV15CS009	Beeram Tejasree	11	A	14	11	0	0	7	7	1	1	1	1	1	28	2.2	2.2	2.2	2.2	2.2	14.2	3.2	3.2	10.2	10.2
5	1SV15CS012	Bhavya B	AB	15	11	0	8	7	6	5	1	1	1	1	1	43	0	0	0	0	0	1	9	8	7	6
6	1SV15CS014	Chandan Y K	13	11	AB	13	6	5	0	0	1	1	1	1	1	22	2.6	2.6	2.6	2.6	2.6	16.6	9.6	8.6	3.6	3.6
7	1SV15CS022	Harshitha B C	7	14	AB	7	7	7	0	0	1	1	1	1	1	21	1.4	1.4	1.4	1.4	1.4	9.4	9.4	9.4	2.4	2.4
8	1SV15CS028	Sanath Kumar K S	8	13	AB	8	7	6	0	0	1	1	1	1	1	30	1.6	1.6	1.6	1.6	1.6	10.6	9.6	8.6	2.6	2.6
9	1SV15CS038	Madavanand shyanavad	9	13	AB	9	7	6	0	0	1	1	1	1	1	34	1.8	1.8	1.8	1.8	1.8	11.8	9.8	8.8	2.8	2.8
10	1SV15CS042	Meenakshi P	11	15	AB	11	8	7	0	0	1	1	1	1	1	34	2.2	2.2	2.2	2.2	2.2	14.2	11.2	10.2	3.2	3.2
11	1SV15CS053	Nargiz Naaz	15	A	15	15	0	0	8	5	1	1	1	1	1	47	3	3	3	3	3	19	4	4	12	9
12	1SV15CS055	Nayana	12	15	AB	12	8	7	0	0	1	1	1	1	1	41	2.4	2.4	2.4	2.4	2.4	15.4	11.4	10.4	3.4	3.4
13	1SV15CS058	Nikitha M	15	A	15	15	0	0	8	7	1	1	1	1	1	50	3	3	3	3	3	19	4	4	12	11
14	1SV15CS059	Nischitha D	13	10	AB	13	5	5	0	0	1	1	1	1	1	16	2.6	2.6	2.6	2.6	2.6	16.6	8.6	8.6	3.6	3.6
15	1SV15CS067	Pooja K S	13	15	AB	13	8	7	0	0	1	1	1	1	1	34	2.6	2.6	2.6	2.6	2.6	16.6	11.6	10.6	3.6	3.6
16	1SV15CS078	Rashmi P	15	15	AB	15	8	7	0	0	1	1	1	1	1	46	3	3	3	3	3	19	12	11	4	4
17	1SV15CS079	Ravi ujwal	12	14	AB	12	7	7	0	0	1	1	1	1	1	23	2.4	2.4	2.4	2.4	2.4	15.4	10.4	10.4	3.4	3.4
18	1SV15CS082	Sagar B R	14	14	AB	14	7	7	0	0	1	1	1	1	1	32	2.8	2.8	2.8	2.8	2.8	17.8	10.8	10.8	3.8	3.8
19	1SV15CS090	Shubham Hunshai	8	13	AB	8	7	6	0	0	1	1	1	1	1	39	1.6	1.6	1.6	1.6	1.6	10.6	9.6	8.6	2.6	2.6
20	1SV15CS097	Sushmitha T	13	A	15	13	0	0	8	5	1	1	1	1	1	35	2.6	2.6	2.6	2.6	2.6	16.6	3.6	3.6	11.6	8.6
21	1SV15CS101	Varshitha R M	11	13	AB	11	7	3	0	0	1	1	1	1	1	40	2.2	2.2	2.2	2.2	2.2	14.2	10.2	6.2	3.2	3.2
22	1SV15CS408	Shama Afreen	AB	0	0	0	0	0	0	0	1	1	1	1	1	47	0	0	0	0	0	1	1	1	1	1
23	1SV16CS002	Meghashree B	15	15	AB	15	0	0	0	0	1	1	1	1	1	47	3	3	3	3	3	19	1	4	4	4
																					AVG	13.1	7.92	7.4	4.92	4.57
																					PERC	40.8	24.8	23.1	15.4	14.3

A  
Signature of Staff

  
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COMPUTER SCIENCE & ENGG.,  
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COLLEGE	SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY					
FACULTY NAME	Mr. MALLESH H L					
BRANCH	CSE	ACADEMIC YEAR			2019-20	
COURSE	B.E	SEMESTER	VII	SECTION		
SUBJECT	Advanced Computer Architectures			SUBJECT CODE	15CS72	

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	3		
CO2	3	2										2	2		
CO3	3	2										2	2		
Average	2.6	2	2									2	2.3		

### CO AND PO ATTAINMENT

#### ATTAINMENT TABLE

COs	AVG	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	64.4	1.28	1.28	1.28									1.28	1.93		
CO2	64.8	1.94	1.29										1.29	1.29		
CO3	43.3	1.29	0.86										0.86	0.86		
AVERAGE		1.50	1.14	1.28									1.14	1.36		

*HLM*

STAFF INCHARGE

*Mr. Malleesh H L*

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

*Principal*

PRINCIPAL  
SIET, TUMAKURU.

# SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

Department of Computer Science & Engg

Course Outcomes (CO) Program Outcomes (PO) Attainment

Rol #	USN	Name	15CS72 2019-20 SUB: ACA SEM: 7th ODD FACULTY: Mr. Mallesh H L															TOTAL AVG			
			IA			T1	T2	T3	ASSIGNMENT 5/3			EXTERNAL			Final						
			T1	T2	T3	CO1-15	CO2-15	CO3-15	CO1-2	CO2-2	CO3-1	SEE(60)	CO1-20	CO2-20	CO3-20	CO1-37	CO2-37		CO3-36		
1	ISV14CS036	Midila Muruli	AB	15	15	0	15	15	2	2	1	28	9.3	9.3	9.3	11.3	26.3	25.3	21.0		
2	ISV14CS040	Nirmitha B	15	15	AB	15	15	0	2	1	2	28	9.3	9.3	9.3	26.3	25.3	11.3	21.0		
3	ISV15CS001	Adithya shah	15	15	AB	15	15	0	1	1	3	2	0.7	0.7	0.7	16.7	16.7	3.7	12.4		
4	ISV15CS009	Beeram Tejasree	15	AB	15	15	0	15	3	1	1	17	5.7	5.7	5.7	23.7	6.7	21.7	17.4		
5	ISV15CS012	Bhavya B	AB	15	15	0	15	15	1	3	1	28	9.3	9.3	9.3	10.3	27.3	25.3	21.0		
6	ISV15CS014	Chandan Y K	15	15	AB	15	15	0	1	2	2	30	10	10	10	26	27	12	21.7		
7	ISV15CS022	HarshithaB C	15	15	AB	15	15	0	2	2	1	17	5.7	5.7	5.7	22.7	22.7	6.7	17.4		
8	ISV15CS028	Sanath Kumar K S	11	15	AB	11	15	0	2	1	2	30	10	10	10	23	26	12	20.3		
9	ISV15CS038	Madavanand shyanavad	15	0	13	15	0	13	1	1	3	34	11.3	11.3	11.3	27.3	12.3	27.3	22.3		
10	ISV15CS042	Meenakshi P	15	15	AB	15	15	0	3	1	1	22	7.3	7.3	7.3	25.3	23.3	8.3	19.0		
11	ISV15CS053	Nargiz Naaz	15	15	AB	15	15	0	1	3	1	40	13.3	13.3	13.3	29.3	31.3	14.3	25.0		
12	ISV15CS055	Nayana	15	15	AB	15	15	0	1	2	2	43	14.3	14.3	14.3	30.3	31.3	16.3	26.0		
13	ISV15CS058	Nikitha M	15	15	AB	15	15	0	2	2	1	20	6.7	6.7	6.7	23.7	23.7	7.7	18.4		
14	ISV15CS059	Nischitha D	15	15	AB	15	15	0	2	1	2	43	14.3	14.3	14.3	31.3	30.3	16.3	26.0		
15	ISV15CS067	Pooja K S	15	15	AB	15	15	0	1	1	3	51	17	17	17	33	33	20	28.7		
16	ISV15CS078	Rashmi P	15	15	AB	15	15	0	3	1	1	50	16.7	16.7	16.7	34.7	32.7	17.7	28.4		
17	ISV15CS079	Ravi ujwal	15	15	AB	15	15	0	1	3	1	9	3	3	3	19	21	4	14.7		
18	ISV15CS082	Sagar B R	15	15	AB	15	15	0	1	2	2	5	1.7	1.7	1.7	17.7	18.7	3.7	13.4		
19	ISV15CS090	Shubham Hunshal	11	13	AB	11	13	0	2	2	1	29	9.7	9.7	9.7	22.7	24.7	10.7	19.4		
20	ISV15CS097	Sushmitha T	15	13	15	15	13	15	2	1	2	39	13	13	13	30	27	30	29.0		
21	ISV15CS101	Varshitha R M	15	15	AB	15	15	0	1	1	3	19	6.3	6.3	6.3	22.3	22.3	9.3	18.0		
22	ISV15CS408	Shama Afreen	AB	15	15	0	15	15	3	1	1	28	9.3	9.3	9.3	12.3	25.3	25.3	21.0		
23	ISV16CS002	Meghashree B	15	AB	15	15	0	15	1	3	1	40	13.3	13.3	13.3	29.3	16.3	29.3	25.0		
																23.83	23.97	15.57			
																<b>PER</b>	<b>64.4</b>	<b>64.8</b>	<b>43.3</b>		



## 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

- 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										2019-20				
COURSE	B.E	SEMESTER	VII	SECTION												
SUBJECT	STORAGE AREA NETWORKS								SUBJECT CODE				15CS754			

**CO & PO MAPPING**

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	3											2		
CO2			3												
CO3	1	2											2		2
CO4		2											1	1	2
AVERAGE	2	2.33	3										1.67	1	2
OVERALL MAPPING OF SUBJECT												2.00			

**CO AND PO ATTAINMENT**

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	49.56	1.49	1.49											0.99		
CO2	50.72			1.52												
CO3	50.67	0.51	1.01											1.01		1.01
CO4	56.40		1.13											0.56	0.56	1.13
AVERAGE	51.83	1	1.21	1.52										0.85	0.56	1.07
FINAL ATTAINMENT LEVEL													1.04			

*[Signature]*

STAFF INCHARGE

*[Signature]*

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*[Signature]*

PRINCIPAL  
SIET, TUMAKURU.

Academic year 2019 -20				SEM: 7					23				Subject : SAN				15CS754											
ROLL NO	USN	A TEST 1(15M)		IA TEST 2(15M)			A TEST 3(15M)		ASSIGNMENT / QUIZ(10 M)				SEE MARKS(80)				Total Cos ATTAINMENT				% of individual CO				SEE Total			
		CO1	TOTAL	CO2	CO3	TOTAL	CO4	TOTAL	CO1	CO2	CO3	CO4	CO1=20	CO2	CO3	CO4	CO1=36.25	CO2=28.75	CO3=28.75	CO4=36.25	CO1	CO2	CO3	CO4				
1	1SV14CS036	7	7	4	4	8	10	10	1.25	1.25	1.25	1.25	11	11	11	11	19.25	16	16	16.25	53.10345	56.52174	56.52174	44.82759	44			
2	1SV14CS040	11	11	7	7	14	12	12	1.25	1.25	1.25	1.25	14	14	14	14	26.25	22	22	22.25	72.41379	77.3913	77.3913	61.37931	56			
3	1SV15CS001	11	11	5	6	11	10	10	1.25	1.25	1.25	1.25	13	13	13	13	25.25	19	20	20.25	69.65517	66.95652	70.43478	55.86207	52			
4	1SV15CS009	3	3	3	3	6	7	7	1.25	1.25	1.25	1.25	7	7	7	7	11.25	11	11	11.25	31.03448	39.13043	39.13043	31.03448	28			
5	1SV15CS012	13	13	7	8	15	0	0	1.25	1.25	1.25	1.25	11	11	11	11	25.25	19	20	20.25	69.65517	66.95652	70.43478	55.86207	44			
6	1SV15CS014	0	0	7	6	13	8	8	1.25	1.25	1.25	1.25	14	14	14	14	15.25	22	21	21.25	42.06897	77.3913	73.91304	58.62069	56			
7	1SV15CS022	12	12	7	7	14	9	9	1.25	1.25	1.25	1.25	11	11	11	11	24.25	19	19	19.25	66.89655	66.95652	73.91304	58.62069	56			
8	1SV15CS028	14	14	7	6	13	0	0	1.25	1.25	1.25	1.25	14	14	14	14	29.25	22	21	21.25	80.68966	77.3913	73.91304	58.62069	56			
9	1SV15CS038	14	14	7	7	14	0	0	1.25	1.25	1.25	1.25	15	15	15	15	30.25	23	23	23.25	83.44828	80.86957	80.86957	64.13793	60			
10	1SV15CS042	14	14	6	6	12	8	8	1.25	1.25	1.25	1.25	13	13	13	13	28.25	20	20	20.25	77.93103	70.43478	70.43478	55.86207	52			
11	1SV15CS053	13	13	7	7	14	10	10	1.25	1.25	1.25	1.25	12	12	12	12	26.5	21	21	20.5	73.10345	71.30435	71.30435	56.55172	49			
12	1SV15CS055	10	10	7	7	14	10	10	1.25	1.25	1.25	1.25	11	11	11	11	22.5	20	20	19.5	62.06897	67.82609	67.82609	53.7931	45			
13	1SV15CS058	13	13	4	4	8	11	11	1.25	1.25	1.25	1.25	7	7	7	7	21.25	12	12	12.25	58.62069	42.6087	42.6087	33.7931	28			
14	1SV15CS059	12	12	6	6	12	11	11	1.25	1.25	1.25	1.25	12	12	12	12	25	19	19	19	68.96552	66.08696	66.08696	52.41379	47			
15	1SV15CS067	13	13	5	4	9	5	5	1.25	1.25	1.25	1.25	8	8	8	8	22	14	13	13	60.68966	48.69565	45.21739	35.86207	31			
16	1SV15CS078	12	12	6	6	12	11	11	1.25	1.25	1.25	1.25	14	14	14	14	27.25	21	21	21.25	75.17241	73.91304	73.91304	58.62069	56			
17	1SV15CS079	11	11	6	7	13	9	9	1.25	1.25	1.25	1.25	10	10	10	10	22.25	17	18	18.25	61.37931	60	63.47826	50.34483	40			
18	1SV15CS082	9	9	7	6	13	0	0	1.25	1.25	1.25	1.25	13	13	13	13	23.25	21	20	20.25	64.13793	73.91304	70.43478	55.86207	52			
19	1SV15CS090	14	14	5	6	11	10	10	1.25	1.25	1.25	1.25	11	11	11	11	26	17	18	18	71.72414	59.13043	62.6087	49.65517	43			
20	1SV15CS097	14	14	5	5	10	8	8	1.25	1.25	1.25	1.25	17	17	17	17	32.25	23	23	23.25	88.96552	80.86957	80.86957	64.13793	68			
21	1SV15CS101	14	14	6	6	12	10	10	1.25	1.25	1.25	1.25	15	15	15	15	30.5	23	23	22.5	84.13793	78.26087	78.26087	62.06897	61			
22	1SV15CS408	11	11	3	3	6	12	12	1.25	1.25	1.25	1.25	10	10	10	10	22	14	14	14	60.68966	48.69565	48.69565	38.62069	39			
23	1SV16CS002	13	13	7	7	14	AB	AB	1.25	1.25	1.25	1.25	13	13	13	13	26.75	21	21	20.75	73.7931	72.17391	72.17391	57.24138	50			
																					49.56	50.72	50.67	56.4				

*Suthan.R*  
SUTHAN.R


*Dr. Sumanth Srinivas*  
HOD,  
COMPUTER SCIENCE & ENGG.,  
SIET, TUMAKURU-06.



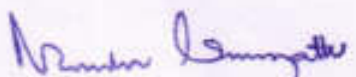
COLLEGE	SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY															
FACULTY NAME	PROF. SHANMUKASWAMY C V															
BRANCH	CS	ACADEMIC YEAR										2019-20				
COURSE	B.E	SEMESTER	VII	SECTION	A [CSE]											
COURSE	MACHINE LEARNING							COURSE CODE			15CS73					
<b>CO &amp; PO MAPPING</b>																
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	
CO1	3	3	3									2	2			
CO2	3	3	3									2	2			
CO3	3	3	3									2	2			
AVERAGE	3	3	3									2	2			
<b>OVERALL MAPPING OF COURSE</b>															2.25	

### CO AND PO ATTAINMENT

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	49	1.5	1.5	1.5									1.0	1.0		
CO2	50.1	1.5	1.5	1.5									1.0	1.0		
CO3	58	1.7	1.7	1.7									1.2	1.2		
AVERAGE		1.56	1.56	1.56									1.06	1.06		
<b>FINAL ATTAINMENT LEVEL</b>																1.36

  
 Prof. Shanmukha Swamy  
 STAFF INCHARGE CV

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

  
 PRINCIPAL  
 SIET, TUMAKURU.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

COsPOs ATTAINMENT

ACADEMIC YEAR -2019-20[ODD SEM]

CLASS:7th SEM CSE

Course Name :Machine Learning [15CS73]

Roll No.	USN	Name	T1	T2			T3	ASSIGNMENT 5/3				SEE[80/3]			Final CO.s			Attainment [stud]	
			CO1 15	CO2- 8	CO3- 7	CO3 15	CO1 1	CO2 2	CO3 2	SEE [80]	CO1 27	CO2 27	CO3 26	CO1 43	CO2 37	CO3 50			
1	ISV14CS036	Midila Muruli	0	7	7	11	1	2	2	23	8	8	7	9	17	27	41		
2	ISV14CS040	Nirmitha B	8	5	5	12	1	2	2	45	15	15	15	24	22	34	62		
3	ISV15CS001	Adithya shah	0	6	6	11	1	2	2	21	7	7	7	8	15	26	38		
4	ISV15CS009	Beeram Tejasree	13	0	0	10	1	2	2	24	8	8	8	22	10	20	40		
5	ISV15CS012	Bhavya B	14	0	0	14	1	2	2	52	18	17	17	33	19	33	65		
6	ISV15CS014	Chandan Y K	12	0	0	14	1	2	2	28	9	10	10	22	12	26	46		
7	ISV15CS022	HarshithaB C	0	7	6	12	1	2	2	31	11	10	10	12	19	30	47		
8	ISV15CS028	Sanath Kumar K S	12	0	0	12	1	2	2	28	9	9	10	22	11	24	44		
9	ISV15CS038	Madavanand shyanavad	10	0	0	11	1	2	2	28	10	9	9	21	11	22	42		
10	ISV15CS042	Meenakshi P	0	7	7	14	1	2	2	40	13	14	13	14	23	36	56		
11	ISV15CS053	Nargiz Naaz	0	7	7	13	1	2	2	54	18	18	18	19	27	40	66		
12	ISV15CS055	Nayana	0	6	7	14	1	2	2	53	18	17	18	19	25	41	65		
13	ISV15CS058	Nikitha M	15	8	7	0	1	2	2	46	16	15	15	32	25	24	62		
14	ISV15CS059	Nischitha D	0	7	6	13	1	2	2	46	15	16	15	16	25	36	59		
15	ISV15CS067	Pooja K S	14	7	7	0	1	2	2	20	7	7	6	22	16	15	41		
16	ISV15CS078	Rashmi P	14	0	0	13	1	2	2	45	15	15	15	30	17	30	59		
17	ISV15CS079	Ravi ujjwal	11	5	5	15	1	2	2	30	10	10	10	22	17	32	55		
18	ISV15CS082	Sagar B R	0	6	7	14	1	2	2	14	5	5	4	6	13	27	35		
19	ISV15CS090	Shubham Hunshal	12	0	0	13	1	2	2	42	14	14	14	27	16	29	55		
20	ISV15CS097	Sushmitha T	14	7	7	13	1	2	2	45	15	15	15	30	24	37	70		
21	ISV15CS101	Varshitha R M	13	6	6	0	1	2	2	44	15	15	14	29	23	22	57		
22	ISV15CS408	Shama Afreen	0	2	3	14	1	2	2	36	12	12	12	13	16	31	46		
23	ISV16CS002	Meghashree B	14	7	7	0	1	2	2	40	13	14	13	28	23	22	56		
														21	18.5	29			
														49	50.1	58			

*Prof. Shyamprakash Sumanay CV*

*H.O.D.*  
COMPUTER SCIENCE & ENGG.,  
SIET, TUMAKURU-50.

Attainment

COLLEGE	SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY					
FACULTY NAME	Mr. BASAVESHA D					
BRANCH	CSE	ACADEMIC YEAR			2019-20	
COURSE	B.E	SEMESTER	VII	SECTION		
SUBJECT	UNIX SYSTEM PROGRAMMING			SUBJECT CODE	15CS744	

CO-PO-PSO Mapping															
COs	Pos												PSOs		
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3
CO1	2		1	1	1				1		1	1	2	2	2
CO2	1		1	1	1				1		1	3	2	2	2
Average	2		1	2	1				1		1	2	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	62.2	1.24		0.62	0.62	0.62				0.62		0.62	0.62	1.24	1.24	1.24
CO2	81.5	0.81		0.81	0.81	0.81				0.81		0.81	2.44	1.63	1.63	1.63
AVERAGE		1.02		0.71	0.71	0.71				0.71		0.71	1.53	1.43	1.43	1.43

*Bas*  
STAFF INCHARGE

*Basavesh D*  
HOD,  
COMPUTER SCIENCE & ENGG.,  
SIET, TUMAKURU-06.

*Basavesh D*  
PRINCIPAL  
SIET, TUMAKURU.

**SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY**

Department of Computer Science & Engg

Course Outcomes (CO) Program Outcomes (PO) Attainment

15CS744      2019-20      SEM: 7th      ODD      SUB: USP      FACULTY: Mr. Basavesha D

Roll No.	USN	Name	IA			T1	T2+T3	ASSIGNMENT 5/2		EXTERNAL			Final		TOTAL AVG
			T1	T2	T3	CO1-15	CO2-15	CO1-3	CO2-2	SEE(60)	CO1-30	CO2-30	CO1-48	CO2-47	
1	ISV14CS036	Midila Muruli	AB	12	10	0	22	3	2	17	8.5	8.5	11.5	32.5	22
2	ISV14CS040	Nirmitha B	8	14	13	8	27	3	2	51	25.5	25.5	36.5	54.5	45.5
3	ISV15CS001	Adithya shah	AB	5	13	0	18	3	2	25	12.5	12.5	15.5	32.5	24
4	ISV15CS009	Beeram Tejasree	9	0	13	9	13	3	2	43	21.5	21.5	33.5	36.5	35
5	ISV15CS012	Bhavya B	AB	11	15	0	26	3	2	49	24.5	24.5	27.5	52.5	40
6	ISV15CS014	Chandan Y K	13	11	AB	13	11	3	2	48	24	24	40	37	38.5
7	ISV15CS022	HarshithaB C	8	13	14	8	27	3	2	23	11.5	11.5	22.5	40.5	31.5
8	ISV15CS028	Sanath Kumar K S	10	7	14	10	21	3	2	46	23	23	36	46	41
9	ISV15CS038	Madavanand shyanav	7	7	6	7	13	3	2	60	30	30	40	45	42.5
10	ISV15CS042	Meenakshi P	11	14	AB	11	14	3	2	42	21	21	35	37	36
11	ISV15CS053	Nargiz Naaz	14	AB	14	14	14	3	2	33	16.5	16.5	33.5	32.5	33
12	ISV15CS055	Nayana	AB	14	14	0	28	3	2	38	19	19	22	49	35.5
13	ISV15CS058	Nikitha M	15	AB	15	15	15	3	2	56	28	28	46	45	45.5
14	ISV15CS059	Nischitha D	AB	10	13	0	23	3	2	36	18	18	21	43	32
15	ISV15CS067	Pooja K S	13	AB	14	13	14	3	2	48	24	24	40	40	40
16	ISV15CS078	Rashmi P	14	9	AB	14	9	3	2	33	16.5	16.5	33.5	27.5	30.5
17	ISV15CS079	Ravi ujjwal	8	11	13	8	24	3	2	29	14.5	14.5	25.5	40.5	33
18	ISV15CS082	Sagar B R	11	13	AB	11	13	3	2	17	8.5	8.5	22.5	23.5	23
19	ISV15CS090	Shubham Hunshal	10	7	14	10	21	3	2	37	18.5	18.5	31.5	41.5	36.5
20	ISV15CS097	Sushmitha T	11	AB	14	11	14	3	2	20	10	10	24	26	25
21	ISV15CS101	Varshitha R M	12	10	AB	12	10	3	2	43	21.5	21.5	36.5	33.5	35
22	ISV15CS408	Shama Afreen	AB	AB	12	0	12	3	2	22	11	11	14	25	19.5
23	ISV16CS002	Meghashree B	12	14	AB	12	14	3	2	48	24	24	39	40	39.5

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	29.87	38.30
<b>PER</b>	<b>62.2</b>	<b>81.5</b>

2019-20

EVEN SEM



## Department of Computer Science and Engineering

### COURSE OUTCOME

- 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.

### 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					2019-2020						
COURSE	B.E	SEMESTER					IV	SECTION									
SUBJECT	DESIGN AND ANALYSIS OF ALGORITHMS							SUBJECT CODE					18CS42				

**CO & PO MAPPING**

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PSO 1	PSO 2	PSO 3
CO1	2											2	2		
CO2		2		3								2	2		2
CO3			3									2	3		2
AVERAGE	2	2	3	3								2	2.33		2
OVERALL MAPPING OF SUBJECT												2.33			

**CO AND PO ATTAINMENT**

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	80.13	1.60											1.60	1.60		
CO2	80.02		1.60		2.4								1.60	1.60		1.60
CO3	80.83			2.42									1.62	2.42		1.61
AVERAGE	80.32	1.60	1.60	2.42	2.4								1.61	1.87		1.60
FINAL ATTAINMENT LEVEL													1.87			

  
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Academic year 2019 - 20			SEM : 4		Total strength : 37						Subject : DAA			18CS42			% of individual CO			SEE Total
ROLL NO	USN	A TEST 1(30M)		TEST 2(30M)		A TEST 3(30M)		IGNEMENT / QUIZ(1)			SEE MARKS(60)			Total Cos ATTAINMENT						
		CO1	TOTAL	CO2	TOTAL	CO3	TOTAL	CO1	CO2	CO3	CO1=16.6	CO2=16.6	CO3=16.6	CO1=49.96	CO2=49.96	CO3=49.96	CO1	CO2	CO3	50M
1	1SV17CS011	30	30	30	30	29	29	3.3	3.3	3.3	10	10	10	43	43	42	86.66934	86.66934	84.66773	30
2	1SV17CS015	30	30	30	30	29	29	3.3	3.3	3.3	7	7	7	40	40	39	80.66453	80.66453	78.66293	21
3	1SV17CS018	30	30	30	30	29	29	3.3	3.3	3.3	8	8	8	41	41	40	82.66613	82.66613	80.66453	24
4	1SV17CS024	26	26	30	30	29	29	3.3	3.3	3.3	6	6	6	36	40	39	71.32373	79.33013	77.32853	19
5	1SV17CS027	30	30	25	25	29	29	3.3	3.3	3.3	7	7	7	40	35	39	80.66453	70.65653	78.66293	21
6	1SV17CS034	0	0	18	18	25	25	0	0	0	6	6	6	6	24	31	12.67681	48.70563	62.71684	19
7	1SV18CS001	30	30	29	29	29	29	3.3	3.3	3.3	7	7	7	40	39	39	80.66453	78.66293	78.66293	21
8	1SV18CS003	30	30	30	30	29	29	3.3	3.3	3.3	7	7	7	40	40	39	80.66453	80.66453	78.66293	21
9	1SV18CS004	30	30	30	30	29	29	3.3	3.3	3.3	8	8	8	41	41	40	82.66613	82.66613	80.66453	24
10	1SV18CS005	30	30	29	29	29	29	3.3	3.3	3.3	11	11	11	45	44	44	89.33814	87.33654	87.33654	34
11	1SV18CS007	30	30	30	30	30	30	3.3	3.3	3.3	9	9	9	42	42	42	84.66773	84.66773	84.66773	27
12	1SV18CS008	30	30	30	30	29	29	3.3	3.3	3.3	9	9	9	42	42	41	84.00053	84.00053	81.99893	26
13	1SV18CS011	30	30	30	30	29	29	3.3	3.3	3.3	7	7	7	40	40	39	80.66453	80.66453	78.66293	21
14	1SV18CS014	30	30	29	29	29	29	3.3	3.3	3.3	8	8	8	41	40	40	81.99893	79.99733	79.99733	23
15	1SV18CS015	30	30	0	0	29	29	3.3	3.3	3.3	8	8	8	41	11	40	82.66613	22.61809	80.66453	24
16	1SV18CS017	30	30	29	29	29	29	3.3	3.3	3.3	10	10	10	43	42	42	86.66934	84.66773	84.66773	30
17	1SV18CS019	27	27	30	30	29	29	3.3	3.3	3.3	12	12	12	42	45	44	84.00053	90.00534	88.00374	35
18	1SV18CS021	30	30	30	30	29	29	3.3	3.3	3.3	9	9	9	43	43	42	85.33493	85.33493	83.33333	28
19	1SV18CS022	25	25	29	29	28	28	0	0	0	9	9	9	34	38	37	67.38724	75.39365	73.39205	26
20	1SV18CS023	30	30	30	30	30	30	3.3	3.3	3.3	10	10	10	43	43	43	86.00214	86.00214	86.00214	29
21	1SV18CS024	30	30	29	29	30	30	3.3	3.3	3.3	11	11	11	44	43	44	88.00374	86.00214	88.00374	32
22	1SV18CS025	30	30	30	30	29	29	3.3	3.3	3.3	9	9	9	42	42	41	84.00053	84.00053	81.99893	26
23	1SV18CS026	30	30	30	30	29	29	3.3	3.3	3.3	9	9	9	42	42	41	84.66773	84.66773	82.66613	27
24	1SV18CS028	30	30	30	30	29	29	3.3	3.3	3.3	7	7	7	41	41	40	81.33173	81.33173	79.33013	22
25	1SV18CS029	30	30	30	30	29	29	3.3	3.3	3.3	10	10	10	43	43	42	86.00214	86.00214	84.00053	29
26	1SV18CS030	24	24	26	26	23	23	0	0	0	8	8	8	32	34	31	64.05124	68.05444	62.04964	24
27	1SV18CS031	30	30	29	29	28	28	3.3	3.3	3.3	9	9	9	43	42	41	85.33493	83.33333	81.33173	28
28	1SV18CS032	28	28	29	29	29	29	3.3	3.3	3.3	9	9	9	40	41	41	79.99733	81.99893	81.99893	26
29	1SV18CS033	30	30	30	30	29	29	3.3	3.3	3.3	10	10	10	43	43	42	86.00214	86.00214	84.00053	29
30	1SV18CS038	30	30	29	29	29	29	3.3	3.3	3.3	10	10	10	43	42	42	86.00214	84.00053	84.00053	29
31	1SV18CS039	30	30	30	30	29	29	3.3	3.3	3.3	10	10	10	43	43	42	86.66934	86.66934	84.66773	30
32	1SV18CS040	30	30	30	30	29	29	3.3	3.3	3.3	8	8	8	41	41	40	81.99893	81.99893	79.99733	23
33	1SV18CS041	30	30	30	30	30	30	3.3	3.3	3.3	9	9	9	42	42	42	84.66773	84.66773	84.66773	27
34	1SV18CS045	30	30	30	30	29	29	3.3	3.3	3.3	8	8	8	42	42	41	83.33333	83.33333	81.33173	25
35	1SV18CS046	29	29	30	30	29	29	3.3	3.3	3.3	9	9	9	41	42	41	81.99893	84.00053	81.99893	26
36	1SV19CS400	25	25	30	30	29	29	0	0	0	8	8	8	33	38	37	65.38564	75.39365	73.39205	23
37	1SV19CS401	28	28	30	30	29	29	3.3	3.3	3.3	10.667	10.67	10.67	42	44	43	84.00053	88.00374	86.00214	32
																	80.13077	80.02258	80.83404	25.97297
																				43.28829

*[Signature]*  
SUTHAN .R

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





## Department of Computer Science and Engineering

### COURSE OUTCOME

- C01.** Understand the concepts of OS, the basic principles used in the design of modern operating system and process.
- C02.** Understand the concepts of threads and mechanisms for synchronization.
- C03.** Understand the concepts related to deadlock and memory management.
- C04.** 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.

COLLEGE	SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY					
FACULTY NAME	Mr. KIRAN G M					
BRANCH	CSE	ACADEMIC YEAR			2019-20	
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	78.2	0.78											1.56		1.56	
CO2	74.7	0.74	0.74										1.49		1.49	
CO3	71.2	0.71	0.71										1.42		1.42	
CO4	77.9	0.77	0.77										1.55		1.55	
AVERAGE		0.75	0.74										1.5		1.5	

*Kg*  
STAFF INCHARGE

*Dr. Jyoti Singh*  
H.O.P.  
COMPUTER SCIENCE & ENGE.  
SIET, TUMAKURU-06.

*Manjunath*  
PRINCIPAL  
SIET, TUMAKURU





## Department of Computer Science and Engineering

### COURSE OUTCOME

- C01.** Understand the fundamentals of ARM based systems, basic hardware components, and selection methods and attributes of an embedded system
- C02.** Program ARM controller using the various instructions
- C03.** Identify the applicability of the embedded system
- C04.** Comprehend the real time operating system used for the embedded system
- C05.** Develop the hardware /software co-design and firmware design approaches.
- C06.** Demonstrate the need of real time operating system for embedded system applications

### 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. MALLESHA H L					
BRANCH	CSE	ACADEMIC YEAR			2019-20	
COURSE	B.E	SEMESTER	IV	SECTION		
SUBJECT	MICROCONTROLLER AND EMBEDDED SYSTEMS			SUBJECT CODE	18CS44	

CO-PO-PSO Mapping															
COs	Pos												PSOs		
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3
CO1															
CO2		2													
CO3					2										
CO4			2												
CO5															
CO6															
Average		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	42.5															
CO2	42.9		0.85													
CO3	47.9					0.95										
CO4	47.9			0.94												
CO5	51.3															
CO6	52.1															
AVERAGE			0.85	0.94		0.95										

*HLM*

STAFF INCHARGE

*Dr. Mallesha H L*

HOD,  
COMPUTER SCIENCE & ENGG.,  
SIET, TUMAKURU-86.

*Mallesha H L*

PRINCIPAL  
SIET, TUMAKURU.



31	ISV18CS045	VIJAYALAKSHMI	5	12	14	2	3	6	6	7	7	2	2	2	2	1	1	33	5.5	5.5	5.5	5.5	5.5	5.5	9.5	11	14	14	14	14	12		
32	ISV18CS046	VIVEKANAND MATH	2	14	23	1	1	7	7	13	10	2	2	2	2	1	1	29	4.8	4.8	4.8	4.8	4.8	4.8	7.8	7.8	14	14	19	16	13		
33	ISV17CS011	CHAITHRAM S	9	10	17	3	6	5	5	8	9	2	2	2	2	1	1	24	4	4	4	4	4	4	9	12	11	11	13	14	12		
34	ISV17CS015	GAGANASHREE T U	4	10	14	2	2	5	5	6	8	2	2	2	2	1	1	0	0	0	0	0	0	0	4	4	7	7	7	9	6		
35	ISV17CS018	JUNAID ULLA KHAN	12	19	27	6	6	9	10	15	12	2	2	2	2	1	1	22	3.7	3.7	3.7	3.7	3.7	3.7	12	12	15	16	20	17	15		
36	ISV17CS024	MANASAV	21	17	22	10	11	9	8	7	15	2	2	2	2	1	1	35	5.8	5.8	5.8	5.8	5.8	5.8	18	19	17	16	14	22	17		
37	ISV17CS027	NAVYA S	11	11	22	5	6	5	6	10	12	2	2	2	2	1	1	25	4.2	4.2	4.2	4.2	4.2	4.2	11	12	11	12	15	17	13		
38	ISV17CS034	RAGHURAM G K	4	2	4	2	2	1	1	2	2	2	2	2	2	1	1	26	4.3	4.3	4.3	4.3	4.3	4.3	8.3	8.3	7.3	7.3	7.3	7.3	8		
39	ISV19CS400	SHIREESHA HEGADE	29	18	30	15	14	9	9	15	15	2	2	2	2	1	1	21	3.5	3.5	3.5	3.5	3.5	3.5	21	20	15	15	20	20	18		
40	ISV19CS401	VEENA LC	29	17	12	14	15	7	10	6	6	2	2	2	2	1	1	25	4.2	4.2	4.2	4.2	4.2	4.2	20	21	13	16	11	11	16		
																											12.3	12.4	13.9	13.9	14.4	14.6	
																											PER	42.5	42.9	47.9	47.9	51.3	52.1



## Department of Computer Science and Engineering

### COURSE OUTCOME

- CO1. Learn fundamental features of object oriented language and JAVA
- CO2. Set up Java JDK environment to create, debug and run simple Java programs
- CO3. Create multi-threaded programs and event handling mechanisms

### 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			2019-20	
COURSE	B.E	SEMESTER	IV	SECTION		
SUBJECT	OBJECT ORIENTED CONCEPTS			SUBJECT CODE	18CS45	

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										2	2	1
CO2	1		2		3									2	
CO3	3	2	2									1	2	2	
Average	2.33	2	1.6		3							1	2	3	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	55.7	1.67		0.55										1.11	1.11	0.55
CO2	65.8	0.65		1.31		1.97									1.31	
CO3	66.6	1.99	1.33	1.33									0.66	1.33	1.33	
AVERAGE		1.43	1.33	1.06		1.97							0.66	1.22	1.25	0.55

*Bas*  
STAFF INCHARGE

*Dr. Basavesh D*  
HOD,  
COMPUTER SCIENCE & ENGG.,  
SIET, TUMAKURU-06.

*Principals*  
PRINCIPAL  
SIET, TUMAKURU

Roll No.	USN	Name	18CS45			2019-20			SUB: OOC			SEM: 4th			EVEN			FACULTY: Mr. BASAVESHA D			TOTAL AVG
			IA			T1	T2		ASSIGNMENT			EXTERNAL			Final						
			T1	T2	T3	CO1-30	CO2-30	CO3-30	CO1-3	CO2-3	CO3-4	SEE(60)	CO1-20	CO2-20	CO3-20	CO1-53	CO2-53	CO3-54			
1	ISV18CS001	ABDULLAH	14	21	27	14	21	27	3	3	4	37	12.3	12.3	12.3	29	36	43	36.3		
2	ISV18CS003	AMULYA J M	14	27	28	14	27	28	3	3	4	37	12.3	12.3	12.3	29	42	44	38.6		
3	ISV18CS004	AYUSH RANJAN TIW	16	18	16	16	18	16	3	3	4	37	12.3	12.3	12.3	31	33	32	32.3		
4	ISV18CS005	BASAVARAJA	15	21	28	15	21	28	3	3	4	38	12.7	12.7	12.7	31	37	45	37.4		
5	ISV18CS007	BHAVYA H P	22	26	29	22	26	29	3	3	4	39	13	13	13	38	42	46	42.0		
6	ISV18CS008	CHANDRASHEKARA	17	17	21	17	17	21	3	3	4	20	6.7	6.7	6.7	27	27	32	28.4		
7	ISV18CS011	DHARMANA HARIKA	15	18	14	15	18	14	3	3	4	33	11	11	11	29	32	29	30.0		
8	ISV18CS013	DIVYA G L	AB	AB	AB	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0		
9	ISV18CS014	ENCHARA M	15	28	29	15	28	29	3	3	4	38	12.7	12.7	12.7	31	44	46	40.0		
10	ISV18CS015	GAGANA N	8	14	14	8	14	14	3	3	4	36	12	12	12	23	29	30	27.3		
11	ISV18CS017	GANYA KUMAR G R	23	29	29	23	29	29	3	3	4	39	13	13	13	39	45	46	43.3		
12	ISV18CS019	HADA AMAL KHAN	24	28	25	24	28	25	3	3	4	38	12.7	12.7	12.7	40	44	42	41.7		
13	ISV18CS021	KEERTHI PRASAD B	26	27	26	26	27	26	3	3	4	37	12.3	12.3	12.3	41	42	42	42.0		
14	ISV18CS022	KUSHAL KUMAR D	0	16	21	0	16	21	3	3	4	39	13	13	13	16	32	38	28.7		
15	ISV18CS023	LAVANYA T A	20	26	24	20	26	24	3	3	4	38	12.7	12.7	12.7	36	42	41	39.4		
16	ISV18CS024	LISHASHREE	25	27	29	25	27	29	3	3	4	38	12.7	12.7	12.7	41	43	46	43.0		
17	ISV18CS025	MANORANJAN P M	24	23	21	24	23	21	3	3	4	39	13	13	13	40	39	38	39.0		
18	ISV18CS026	MARFUA FATHIMA	22	25	28	22	25	28	3	3	4	39	13	13	13	38	41	45	41.3		
19	ISV18CS027	MD SHAHID ALI	AB	AB	AB	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0		
20	ISV18CS028	MEGHANA G S	15	21	12	15	21	12	3	3	4	39	13	13	13	31	37	29	32.3		
21	ISV18CS029	NANDA T M	12	27	25	12	27	25	3	3	4	37	12.3	12.3	12.3	27	42	41	37.0		
22	ISV18CS030	PAVAN KUMAR DUR	AB	4	29	0	4	29	3	3	4	39	13	13	13	16	20	46	27.3		
23	ISV18CS031	PRAGNA HS	10	20	22	10	20	22	3	3	4	39	13	13	13	26	36	39	33.7		
24	ISV18CS032	PRAJWAL C	21	22	29	21	22	29	3	3	4	38	12.7	12.7	12.7	37	38	46	40.0		
25	ISV18CS033	PRIYADARSHINI R	17	27	28	17	27	28	3	3	4	39	13	13	13	33	43	45	40.3		
26	ISV18CS038	SHRADDHA S	21	28	29	21	28	29	3	3	4	38	12.7	12.7	12.7	37	44	46	42.0		
27	ISV18CS039	SINDHU K S	24	26	29	24	26	29	3	3	4	37	12.3	12.3	12.3	39	41	45	42.0		
28	ISV18CS042	SUSHMA H S	14	27	18	14	27	18	3	3	4	31	10.3	10.3	10.3	27	40	32	33.3		

29	ISV18CS043	THUNGASHREE	23		29	23	28	29	3	3	4	37	12.3	12.3	12.3	38	43	45	42.3	
30	ISV18CS044	UMME HANNE	AB	AB	AB	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	
31	ISV18CS045	VIJAYALAKSHMI	11	25	22	11	25	22	3	3	4	37	12.3	12.3	12.3	26	40	38	35.0	
32	ISV18CS046	VIVEKANAND MATH	8	26	21	8	26	21	3	3	4	37	12.3	12.3	12.3	23	41	37	34.0	
33	ISV17CS011	CHAITHRAM S	6	20	20	6	20	20	3	3	4	38	12.7	12.7	12.7	22	36	37	31.4	
34	ISV17CS015	GAGANASHREE T U	12	18	17	12	18	17	3	3	4	38	12.7	12.7	12.7	28	34	34	31.7	
35	ISV17CS018	JUNAID ULLA KHAN	14	18	22	14	18	22	3	3	4	39	13	13	13	30	34	39	34.3	
36	ISV17CS024	MANASAV	15	15	26	15	15	26	3	3	4	39	13	13	13	31	31	43	35.0	
37	ISV17CS027	NAVYA S	19	19	9	19	19	9	3	3	4	38	12.7	12.7	12.7	35	35	26	31.7	
38	ISV17CS034	RAGHURAM G K	15	21	AB	15	21	0	3	3	4	37	12.3	12.3	12.3	30	36	16	27.6	
39	ISV19CS400	SHIREESHA HEGADE	28	25	21	28	25	21	3	3	4	38	12.7	12.7	12.7	44	41	38	40.7	
40	ISV19CS401	VEENA LC	26	18	16	26	18	16	3	3	4	37	12.3	12.3	12.3	41	33	32	35.6	
																29.5	34.9	36.0		
																<b>PER</b>	<b>55.7</b>	<b>65.8</b>	<b>66.6</b>	

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



## Department of Computer Science and Engineering

### COURSE OUTCOME

- CO1. Comprehend the transmission technique of digital data between two or more computers and a computer network that allows computers to exchange data.
- CO2. Explain with the basics of data communication and various types of computer networks
- CO3. Demonstrate Medium Access Control protocols for reliable and noisy channels
- CO4. 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.
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- 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			2019-20	
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	73.9	1.47												1.47		
CO2	66.0	1.32	1.32											1.32		
CO3	63.6	1.27	1.27										1.27	0.63		0.63
CO4	75.9	1.51	1.51											0.75		0.75
AVERAGE		1.39	1.36										1.27	1.04		0.69

*Veena N D*

HOD.  
COMPUTER SCIENCE & ENGG.,  
SIET, TUMAKURU-66.

*Neena N D*  
PRINCIPAL  
SIET TUMAKURU

*Neena N D*

STAFF INCHARGE

18CS46

SEM :IV SEM

2019-20 EVEN

NDV:VEENA N D

Roll No.	USN	Name				T1	T2			T3	ASSIGNMENT 10/4				SEE	SEE				Final				TOTAL AVG
			T1	T2	T3	COI-30	CO2-15	CO3-15	CO4-30	COI-3	CO2-3	CO3-2	CO4-2	SEE(60)	COI-15	CO2-15	CO3-15	CO4-15	COI-48	CO2-33	CO3-32	CO4-47		
1	1SV17CS011	Chaitra M S	25	23	27	25	10	13	27	3	3	2	2	32	6.4	6.4	6.4	6.4	34.4	19.4	21.4	35.4	27.7	
2	1SV17CS015	Gaganashree T U	28	18	26	28	10	8	26	3	3	2	2	31	6.2	6.2	6.2	6.2	37.2	19.2	16.2	34.2	26.7	
3	1SV17CS018	Junaid Ulla K han	28	26	29	28	15	11	29	3	3	2	2	24	4.8	4.8	4.8	4.8	35.8	22.8	17.8	35.8	28.1	
4	1SV17CS024	Manasa V	28	29	27	28	14	15	27	3	3	2	2	19	3.8	3.8	3.8	3.8	34.8	20.8	20.8	32.8	27.3	
5	1SV17CS027	Navya S	28	23	30	28	10	13	30	3	3	2	2	23	4.6	4.6	4.6	4.6	35.6	17.6	19.6	36.6	27.4	
6	1SV17CS034	Raghu ram G K	AB	25	27	0	15	10	27	3	3	2	2	25	5	5	5	5	8	23	17	34	20.5	
7	1SV18CS001	Abdullah	25	27	27	25	15	12	27	3	3	2	2	27	5.4	5.4	5.4	5.4	33.4	23.4	19.4	34.4	27.7	
8	1SV18CS003	Amulya J M	30	28	29	30	15	13	29	3	3	2	2	25	5	5	5	5	38	23	20	36	29.3	
9	1SV18CS004	Ayush Ranjan Tiwar	27	28	27	27	15	13	27	3	3	2	2	18	3.6	3.6	3.6	3.6	33.6	21.6	18.6	32.6	26.6	
10	1SV18CS005	Basavaraju	30	29	29	30	15	14	29	3	3	2	2	34	6.8	6.8	6.8	6.8	39.8	24.8	22.8	37.8	31.3	
11	1SV18CS007	Bhavna HP	30	29	30	30	15	14	30	3	3	2	2	33	6.6	6.6	6.6	6.6	39.6	24.6	22.6	38.6	31.4	
12	1SV18CS008	Chandrashekar T	25	28	25	25	15	13	25	3	3	2	2	23	4.6	4.6	4.6	4.6	32.6	22.6	19.6	31.6	26.6	
13	1SV18CS011	Dharmana Harika	30	28	30	30	15	13	30	3	3	2	2	27	5.4	5.4	5.4	5.4	38.4	23.4	20.4	37.4	29.9	
14	1SV18CS014	Enchara M	30	29	30	30	15	14	30	3	3	2	2	30	6	6	6	6	39	24	22	38	30.8	
15	1SV18CS015	Gagana	25	0	26	25	0	0	26	3	3	2	2	28	5.6	5.6	5.6	5.6	33.6	8.6	7.6	33.6	20.9	
16	1SV18CS017	Ganyakumar G R	30	30	30	30	15	15	30	3	3	2	2	29	5.8	5.8	5.8	5.8	38.8	23.8	22.8	37.8	30.8	
17	1SV18CS019	Hada Amal Khan	25	27	30	25	12	15	30	3	3	2	2	29	5.8	5.8	5.8	5.8	33.8	20.8	22.8	37.8	28.8	
18	1SV18CS021	Keerthiprasad	30	30	30	30	15	15	30	3	3	2	2	34	6.8	6.8	6.8	6.8	39.8	24.8	23.8	38.8	31.8	
19	1SV18CS022	Kushal Kumar	21	26	27	21	15	11	27	3	3	2	2	25	5	5	5	5	29	23	18	34	26.0	
20	1SV18CS023	Lavanya T A	30	28	29	30	15	13	29	3	3	2	2	29	5.8	5.8	5.8	5.8	38.8	23.8	20.8	36.8	30.1	
21	1SV18CS024	Lisha Shree Nayaka	30	30	29	30	15	15	29	3	3	2	2	31	6.2	6.2	6.2	6.2	39.2	24.2	23.2	37.2	31.0	
22	1SV18CS025	Manoranjan P M	28	29	29	28	14	15	29	3	3	2	2	26	5.2	5.2	5.2	5.2	36.2	22.2	22.2	36.2	29.2	
23	1SV18CS026	Murfa fathima	30	29	30	30	14	15	30	3	3	2	2	27	5.4	5.4	5.4	5.4	38.4	22.4	22.4	37.4	30.2	
24	1SV18CS028	Meghana G S	25	28	29	25	13	15	29	3	3	2	2	22	4.4	4.4	4.4	4.4	32.4	20.4	21.4	35.4	27.4	
25	1SV18CS029	Nanda T M	30	29	29	30	14	15	29	3	3	2	2	29	5.8	5.8	5.8	5.8	38.8	22.8	22.8	36.8	30.3	
26	1SV18CS030	Pavan Kumar Durgan	25	21	25	25	10	11	25	3	3	2	2	18	3.6	3.6	3.6	3.6	31.6	16.6	16.6	30.6	23.9	
27	1SV18CS031	Pragna H S	30	27	29	30	15	12	29	3	3	2	2	25	5	5	5	5	38	23	19	36	29.0	
28	1SV18CS032	Prajwal	25	27	26	25	12	15	26	3	3	2	2	33	6.6	6.6	6.6	6.6	34.6	21.6	23.6	34.6	28.6	
29	1SV18CS033	Priyadarshini	30	29	29	30	14	15	29	3	3	2	2	29	5.8	5.8	5.8	5.8	38.8	22.8	22.8	36.8	30.3	
30	1SV18CS038	Shradda S	30	30	29	30	15	15	29	3	3	2	2	24	4.8	4.8	4.8	4.8	37.8	22.8	21.8	35.8	29.6	
31	1SV18CS039	Sindhu K S	30	29	30	30	15	14	30	3	3	2	2	0	0	0	0	0	33	18	16	32	24.8	
32	1SV18CS040	Sushma H S	30	28	30	30	15	13	30	3	3	2	2	22	4.4	4.4	4.4	4.4	37.4	22.4	19.4	36.4	28.9	
33	1SV18CS041	THUNGASHREE	30	29	30	30	15	14	30	3	3	2	2	35	7	7	7	7	40	25	23	39	31.8	
34	1SV18CS045	Vijayalakshmi	30	28	29	30	15	13	29	3	3	2	2	25	5	5	5	5	38	23	20	36	29.3	
35	1SV18CS046	Vivekanand Math	29	28	29	29	13	15	29	3	3	2	2	26	5.2	5.2	5.2	5.2	37.2	21.2	22.2	36.2	29.2	
36	1SV19CS400	Shireesha Hegade	21	28	28	21	13	15	28	3	3	2	2	21	4.2	4.2	4.2	4.2	28.2	20.2	21.2	34.2	26.0	
37	1SV19CS401	Veena L	30	29	29	30	14	15	29	3	3	2	2	25	5	5	5	5	38	22	22	36	29.5	
																			35.4	21.8	20.4	35.7		
																			73.9	66.0	63.6	75.9		



**SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY**

**SIRA ROAD, TUMKUR- 572 106.**

## **Department of Computer Science and Engineering**

### **COURSE OUTCOME**

- C01.** Discuss the cryptography and its need to various applications
- C02.** Design and Develop simple cryptography algorithms
- C03.** Understand the cyber security and need cyber Law

### **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. KIRAN G M					
BRANCH	CSE	ACADEMIC YEAR			2019-2020	
COURSE	B.E	SEMESTER	VI	SECTION		
SUBJECT	CRYPTOGRAPHY, NETWORK SECURITY AND CYBER LAW			SUBJECT CODE	17CS61	

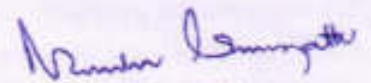
CO-PO-PSO Mapping															
COs	Pos												PSOs		
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3
CO1	2		2										1		
CO2	1	2	1										2	1	1
CO3		1				1		1							
Average	1.5	1.5	1.5			1		1					1.5		1

### CO AND PO ATTAINMENT

ATTAINMENT TABLE																
COs	AVG	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	78.8	1.57		1.57										0.78		
CO2	78.5	0.78	1.57	0.78										1.57	0.78	0.78
CO3	78.2		0.78				0.78		0.78							
AVERAGE		1.17	1.17	1.17			0.78		0.78					1.17	0.78	0.78

  
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SIET, TUMAKURU-06.

  
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SIET, TUMAKURU



SUB: Cryptography, Network Security & Cyber Law						17CS61			2019-20				KIRAN G M			FINAL			TOTAL AVERAGE
Roll No.	USN	Name	T1	T2	T3	T1	T2	T3	ASSIGNMENT 10/4			SEE(60)	SEE			CO1-54	CO2-53	CO3-53	
						CO1-30	CO2-30	CO4-30	CO1-4	CO2-3	CO3-3		CO1-20	CO2-20	CO3-20				
1	ISV15CS070	Priya Panda	30	30	30	30	30	30	4	3	3	25	8.3	8.3	8.3	42.3	41.3	41.3	41.63
2	ISV17CS001	Abhishek Kumar Prasad	29	29	29	29	29	29	4	3	3	24	8	8	8	41	40	40	40.33
3	ISV17CS002	Abhishek Pandey	28	28	28	28	28	28	4	3	3	28	9.3	9.3	9.3	41.3	40.3	40.3	40.63
4	ISV17CS003	Aishwarya Mery E	29	29	29	29	29	29	4	3	3	23	7.7	7.7	7.7	40.7	39.7	39.7	40.03
5	ISV17CS004	Aman Prasad Kalwar	29	29	28	29	29	28	4	3	3	31	10.3	10.3	10.3	43.3	42.3	41.3	42.30
6	ISV17CS006	Anupriya Singh	30	29	28	30	29	28	4	3	3	30	10	10	10	44	42	41	42.33
7	ISV17CS009	Bhoomika M	29	29	29	29	29	29	4	3	3	28	9.3	9.3	9.3	42.3	41.3	41.3	41.63
8	ISV17CS012	Chandana D Gowda	30	29	28	30	29	28	4	3	3	27	9	9	9	43	41	40	41.33
9	ISV17CS013	Chethan D	29	29	29	29	29	29	4	3	3	39	13	13	13	46	45	45	45.33
10	ISV17CS014	Eva Regmi	28	28	28	28	28	28	4	3	3	36	12	12	12	44	43	43	43.33
11	ISV17CS016	Harshitha B A	30	30	30	30	30	30	4	3	3	37	12.3	12.3	12.3	46.3	45.3	45.3	45.63
12	ISV17CS017	Harshitha K	29	29	29	29	29	29	4	3	3	26	8.7	8.7	8.7	41.7	40.7	40.7	41.03
13	ISV17CS019	Kavva H S	29	28	29	29	28	29	4	3	3	31	10.3	10.3	10.3	43.3	41.3	42.3	42.30
14	ISV17CS020	Kavyashree Bk	29	29	29	29	29	29	4	3	3	38	12.7	12.7	12.7	45.7	44.7	44.7	45.03
15	ISV17CS021	Krupankh D N	30	30	30	30	30	30	4	3	3	27	9	9	9	43	42	42	42.33
16	ISV17CS023	Manasa N R	30	30	30	30	30	30	4	3	3	28	9.3	9.3	9.3	43.3	42.3	42.3	42.63
17	ISV17CS025	Mayank Sinha	30	30	30	30	30	30	4	3	3	24	8	8	8	42	41	41	41.33
18	ISV17CS026	Nanditha	29	29	29	29	29	29	4	3	3	26	8.7	8.7	8.7	41.7	40.7	40.7	41.03
19	ISV17CS029	Nidhi Anand	29	29	29	29	29	29	4	3	3	31	10.3	10.3	10.3	43.3	42.3	42.3	42.63
20	ISV17CS030	Nikesh Kumar Tiwari	29	29	29	29	29	29	4	3	3	29	9.7	9.7	9.7	42.7	41.7	41.7	42.03
21	ISV17CS031	Noor Asfiya	28	28	28	28	28	28	4	3	3	29	9.7	9.7	9.7	41.7	40.7	40.7	41.03
22	ISV17CS032	Prathamagowda Y P	28	29	28	28	29	28	4	3	3	25	8.3	8.3	8.3	40.3	40.3	39.3	39.97
23	ISV17CS035	Rajesh Kumar Kahar	29	29	29	29	29	29	4	3	3	29	9.7	9.7	9.7	42.7	41.7	41.7	42.03
24	ISV17CS036	Sabha Khanum	28	29	28	28	29	28	4	3	3	31	10.3	10.3	10.3	42.3	42.3	41.3	41.97
25	ISV17CS037	Sadanand Kumar	29	29	29	29	29	29	4	3	3	23	7.7	7.7	7.7	40.7	39.7	39.7	40.03
26	ISV17CS038	Saurabh Pandey	29	29	29	29	29	29	4	3	3	28	9.3	9.3	9.3	42.3	41.3	41.3	41.63
27	ISV17CS039	Tezashree Pokharel	29	29	29	29	29	29	4	3	3	29	9.7	9.7	9.7	42.7	41.7	41.7	42.03
28	ISV17CS040	Udaya	29	30	30	29	30	30	4	3	3	23	7.7	7.7	7.7	40.7	40.7	40.7	40.70
29	ISV17CS041	Vidya C M	28	29	29	28	29	29	4	3	3	22	7.3	7.3	7.3	39.3	39.3	39.3	39.30
30	ISV17CS042	Vijay Kumar Jha	29	29	29	29	29	29	4	3	3	30	10	10	10	43	42	42	42.33
																42.553	41.587	41.453	
																78.8	78.5	78.2	

*g*

*Dr. Harshitha K.*

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

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

<b>SUBJECT</b>	<b>COMPUTER GRAPHICS AND VISUALIZATION</b>	<b>SUBJECT CODE</b>	<b>17CS62</b>
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**COURSE OUTCOME**

**CO1.**Design and implement algorithms for 2D graphics primitives and attributes.

**CO2.**Illustrate Geometric transformations on both 2D and 3D objects.

**CO3.**Understand the concepts of clipping and visible surface detection in 2D and 3D viewing, and Illumination Models.

**CO4.**Discuss about suitable hardware and software for developing graphics packages using OpenGL.

**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						2019-20					
COURSE	B.E	SEMESTER			VI								
SUBJECT	COMPUTER GRAPHICS AND VISUALIZATION						SUBJECT CODE			17CS62			

**CO & PO MAPPING**

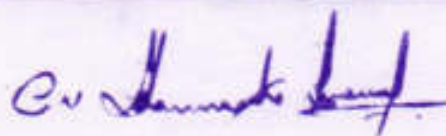
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO 1	PSO 2	PSO 3
CO1	3	2	2				1				1	2	1		
CO2	3	2	2		1				2			2			2
CO3	3	1	2			2						2		1	
CO4	3							1			1				
AVERAGE	3	1.66	2		1	2	1	1	2		1	2	1	1	2
<b>OVERALL MAPPING OF SUBJECT</b>													<b>1.58</b>		

**CO AND PO ATTAINMENT**

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO 1	PSO 2	PSO 3
CO1	74	2.22	1.48	1.48				0.74				0.74	1.48	0.74		
CO2	74	2.22	1.48	1.48		0.74				1.48			1.48			1.48
CO3	69	2.07	1.38	1.38			1.38						1.38		0.69	
CO4	74	2.22							0.74			0.74				
AVERAGE	72.75	2.18	1.46	1.46		0.74	1.38	0.74	0.74	1.48		0.74	1.46	0.74	0.69	1.48
<b>FINAL ATTAINMENT LEVEL</b>													<b>1.17</b>			

A

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 H.O.B.  
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 PRINCIPAL  
 SIET, TUMAKURU

19-20 even

Roll No.	USN	Name	17CS02 CGV (19-2020) EVI SEM :VI SEM RPC: Mrs. RENUKARADHYA P C																				
			T1			T2			T3			ASSIGNMENT 10/4				SEE				Final			
			T1	T2	T3	CO1-15	CO2-15	CO3-15	CO4-15	CO1=2.5	CO2=2.5	CO3=2.5	CO4=2.5	see	CO1-15	CO2-15	CO3-15	CO4-15	CO1-32.5	CO2-32.5	CO3-32.5	CO4-32.5	
1	ISV15CS070	Priya Panda	30	29	29	15	15	14	15	2.5	2.5	2.5	2.5	19	4.75	4.75	4.75	4.75	22	22.3	21.3	22.3	
2	ISV17CS001	Abhishek Kumar Prasad	30	26	26	15	15	13	15	2.5	2.5	2.5	2.5	34	8.5	8.5	8.5	8.5	26	26	24	26	
3	ISV17CS002	Abhishek Pandey	30	26	26	15	15	13	15	2.5	2.5	2.5	2.5	26	6.5	6.5	6.5	6.5	24	24	22	24	
4	ISV17CS003	Aishwarya Mery E	30	27	27	15	15	13	15	2.5	2.5	2.5	2.5	20	5	5	5	5	23	22.5	20.5	22.5	
5	ISV17CS004	Aman Prasad Kalwar	30	30	30	15	15	15	15	2.5	2.5	2.5	2.5	25	6.25	6.25	6.25	6.25	24	23.8	23.8	23.8	
6	ISV17CS006	Anupriya Singh	30	28	28	15	15	14	15	2.5	2.5	2.5	2.5	26	6.5	6.5	6.5	6.5	24	24	23	24	
7	ISV17CS009	Bhoomika M	30	28	28	15	15	14	15	2.5	2.5	2.5	2.5	18	4.5	4.5	4.5	4.5	22	22	21	22	
8	ISV17CS012	Chandana D Gowda	30	28	28	15	15	14	15	2.5	2.5	2.5	2.5	27	6.75	6.75	6.75	6.75	24	24.3	23.3	24.3	
9	ISV17CS013	Chethan D	30	29	29	15	15	14	15	2.5	2.5	2.5	2.5	30	7.5	7.5	7.5	7.5	25	25	24	25	
10	ISV17CS014	Eva Regmi	30	26	26	15	15	13	15	2.5	2.5	2.5	2.5	27	6.75	6.75	6.75	6.75	24	24.3	22.3	24.3	
11	ISV17CS016	Harshitha B A	30	28	28	15	15	14	15	2.5	2.5	2.5	2.5	31	7.75	7.75	7.75	7.75	25	25.3	24.3	25.3	
12	ISV17CS017	Harshitha K	30	28	28	15	15	14	15	2.5	2.5	2.5	2.5	29	7.25	7.25	7.25	7.25	25	24.8	23.8	24.8	
13	ISV17CS019	Kavya H S	30	28	28	15	15	14	15	2.5	2.5	2.5	2.5	24	6	6	6	6	24	23.5	22.5	23.5	
14	ISV17CS020	Kavyashree Bk	30	26	26	15	15	13	15	2.5	2.5	2.5	2.5	24	6	6	6	6	24	23.5	21.5	23.5	
15	ISV17CS021	Krupankh D N	30	29	29	15	15	14	15	2.5	2.5	2.5	2.5	17	4.25	4.25	4.25	4.25	22	21.8	20.8	21.8	
16	ISV17CS023	Manasa N R	30	29	29	15	15	14	15	2.5	2.5	2.5	2.5	31	7.75	7.75	7.75	7.75	25	25.3	24.3	25.3	
17	ISV17CS025	Mayank Sinha	30	29	29	15	15	14	15	2.5	2.5	2.5	2.5	34	8.5	8.5	8.5	8.5	26	26	25	26	
18	ISV17CS026	Nanditha	30	27	27	15	15	13	15	2.5	2.5	2.5	2.5	31	7.75	7.75	7.75	7.75	25	25.3	23.3	25.3	
19	ISV17CS029	Nidhi Anand	30	28	28	15	15	14	15	2.5	2.5	2.5	2.5	22	5.5	5.5	5.5	5.5	23	23	22	23	
20	ISV17CS030	Nikesh Kumar Tiwari	30	27	27	15	15	13	15	2.5	2.5	2.5	2.5	21	5.25	5.25	5.25	5.25	23	22.8	20.8	22.8	
21	ISV17CS031	Noor Asfiya	30	27	27	15	15	13	15	2.5	2.5	2.5	2.5	24	6	6	6	6	24	23.5	21.5	23.5	
22	ISV17CS032	Prathamagowda Y P	28	25	25	15	15	12	15	2.5	2.5	2.5	2.5	31	7.75	7.75	7.75	7.75	25	25.3	22.3	25.3	
23	ISV17CS035	Rajesh Kumar Kahar	26	27	27	15	15	13	15	2.5	2.5	2.5	2.5	34	8.5	8.5	8.5	8.5	26	26	24	26	
24	ISV17CS036	Sabha Khanum	28	27	27	15	15	13	15	2.5	2.5	2.5	2.5	33	8.25	8.25	8.25	8.25	26	25.8	23.8	25.8	
25	ISV17CS037	Sadanand Kumar	30	27	27	15	15	13	15	2.5	2.5	2.5	2.5	30	7.5	7.5	7.5	7.5	25	25	23	25	
26	ISV17CS038	Saurabh Pandey	30	27	27	15	15	13	15	2.5	2.5	2.5	2.5	23	5.75	5.75	5.75	5.75	23	23.3	21.3	23.3	
27	ISV17CS039	Tezashree Pokharel	30	28	28	15	15	14	15	2.5	2.5	2.5	2.5	22	5.5	5.5	5.5	5.5	23	23	22	23	
28	ISV17CS040	Udaya	30	28	28	15	15	14	15	2.5	2.5	2.5	2.5	23	5.75	5.75	5.75	5.75	23	23.3	22.3	23.3	
29	ISV17CS041	Vidya C M	30	27	27	15	15	13	15	2.5	2.5	2.5	2.5	26	6.5	6.5	6.5	6.5	24	24	22	24	
30	ISV17CS042	Vijay Kumar Jha	30	27	27	15	15	13	15	2.5	2.5	2.5	2.5	24	6	6	6	6	24	23.5	21.5	23.5	
																		AVG	24	24.1	22.6	24.1	
																		PERC	74	74	69	74	

Signature of Prof

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



## Department of Computer Science and Engineering

### COURSE OUTCOME

- CO1.** Illustrate system software such as assemblers, loaders, linkers and microprocessors
- CO2.** Design and develop lexical analyzers, parsers and code generators
- CO3.** Discuss about lex and yacc tools for implementing different concepts of system software

### 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. MALLESH H L					
BRANCH	CSE	ACADEMIC YEAR			2019-20	
COURSE	B.E	SEMESTER	VI	SECTION		
SUBJECT	System Software and Compiler Design			SUBJECT CODE	17CS63	

### 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	
CO2	2	1			2							2		2	
CO3	2	2										2		2	
Average	2	1.5			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	80.8	1.61											1.61		1.61	
CO2	80.5	1.61	0.80			1.61							1.61		1.61	
CO3	80.1	1.61	1.61										1.61		1.61	
AVERAGE		1.61	1.20			1.61							1.61		1.61	

*Cv. Malleesh H L*

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

*Manjunath*  
PRINCIPAL  
SIET, TUMAKURU

HUM

STAFF INCHARGE

17CS63

2019-20 EVEN

HLM :MALLESH HL

Roll No.	USN	Name				T1	T2	T3	ASSIGNMENT 10/3			SEE			Final			AVG	
			T1	T2	T3	CO1-30	CO2-30	CO3-30	CO1-3	CO2-4	CO3-3	SEE	CO1-20	CO2-20	CO3-20	CO1-53	CO2-54		CO3-53
1	1SV15CS070	Priya Panda	30	30	30	30	30	30	3	4	3	25	8.3	8.3	8.3	41.3	42.3	41.3	41.7
2	1SV17CS001	Abhishek Kumar	30	30	30	30	30	30	3	4	3	24	8.0	8.0	8.0	41.0	42.0	41.0	41.3
3	1SV17CS002	Abhishek Pandey	30	30	30	30	30	30	3	4	3	28	9.3	9.3	9.3	42.3	43.3	42.3	42.7
4	1SV17CS003	Aishwarya Mery E	30	30	30	30	30	30	3	4	3	23	7.7	7.7	7.7	40.7	41.7	40.7	41.0
5	1SV17CS004	Aman Prasad Kalwar	30	30	30	30	30	30	3	4	3	31	10.3	10.3	10.3	43.3	44.3	43.3	43.7
6	1SV17CS006	Anupriya Singh	30	30	30	30	30	30	3	4	3	30	10.0	10.0	10.0	43.0	44.0	43.0	43.3
7	1SV17CS009	Bhoomika M	30	30	30	30	30	30	3	4	3	28	9.3	9.3	9.3	42.3	43.3	42.3	42.7
8	1SV17CS012	Chandana D Gowda	30	30	30	30	30	30	3	4	3	27	9.0	9.0	9.0	42.0	43.0	42.0	42.3
9	1SV17CS013	Chethan D	30	30	30	30	30	30	3	4	3	39	13.0	13.0	13.0	46.0	47.0	46.0	46.3
10	1SV17CS014	Eva Regmi	30	30	30	30	30	30	3	4	3	36	12.0	12.0	12.0	45.0	46.0	45.0	45.3
11	1SV17CS016	Harshitha B A	30	30	30	30	30	30	3	4	3	37	12.3	12.3	12.3	45.3	46.3	45.3	45.7
12	1SV17CS017	Harshitha K	30	30	30	30	30	30	3	4	3	26	8.7	8.7	8.7	41.7	42.7	41.7	42.0
13	1SV17CS019	Kavya H S	30	30	30	30	30	30	3	4	3	31	10.3	10.3	10.3	43.3	44.3	43.3	43.7
14	1SV17CS020	Kavyashree Bk	30	30	30	30	30	30	3	4	3	38	12.7	12.7	12.7	45.7	46.7	45.7	46.0
15	1SV17CS021	Krupankh D N	30	30	30	30	30	30	3	4	3	27	9.0	9.0	9.0	42.0	43.0	42.0	42.3
16	1SV17CS023	Manasa N R	30	30	30	30	30	30	3	4	3	28	9.3	9.3	9.3	42.3	43.3	42.3	42.7
17	1SV17CS025	Mayank Sinha	30	30	30	30	30	30	3	4	3	24	8.0	8.0	8.0	41.0	42.0	41.0	41.3
18	1SV17CS026	Nanditha	30	30	30	30	30	30	3	4	3	26	8.7	8.7	8.7	41.7	42.7	41.7	42.0
19	1SV17CS029	Nidhi Anand	30	30	30	30	30	30	3	4	3	31	10.3	10.3	10.3	43.3	44.3	43.3	43.7
20	1SV17CS030	Nikesh Kumar Tiwari	30	30	30	30	30	30	3	4	3	29	9.7	9.7	9.7	42.7	43.7	42.7	43.0
21	1SV17CS031	Noor Asfiya	30	30	30	30	30	30	3	4	3	29	9.7	9.7	9.7	42.7	43.7	42.7	43.0
22	1SV17CS032	Prathamagowda Y P	30	30	30	30	30	30	3	4	3	25	8.3	8.3	8.3	41.3	42.3	41.3	41.7
23	1SV17CS035	Rajesh Kumar Kahar	28	30	30	28	30	30	3	4	3	29	9.7	9.7	9.7	40.7	43.7	42.7	42.3
24	1SV17CS036	Sabha Khanum	30	30	30	30	30	30	3	4	3	31	10.3	10.3	10.3	43.3	44.3	43.3	43.7
25	1SV17CS037	Sadanand Kumar	30	30	30	30	30	30	3	4	3	23	7.7	7.7	7.7	40.7	41.7	40.7	41.0
26	1SV17CS038	Saurabh Pandey	30	30	30	30	30	30	3	4	3	28	9.3	9.3	9.3	42.3	43.3	42.3	42.7
27	1SV17CS039	Tezashree Pokharel	30	30	30	30	30	30	3	4	3	29	9.7	9.7	9.7	42.7	43.7	42.7	43.0
28	1SV17CS040	Udaya	30	30	30	30	30	30	3	4	3	23	7.7	7.7	7.7	40.7	41.7	40.7	41.0
29	1SV17CS041	Vidya C M	28	28	28	28	28	28	3	4	3	22	7.3	7.3	7.3	38.3	39.3	38.3	38.7
30	1SV17CS042	Vijay Kumar Jha	30	30	30	30	30	30	3	4	3	30	10.0	10.0	10.0	43.0	44.0	43.0	43.3
																42.389	43.456	42.456	
																80.0	80.5	80.1	



## Department of Computer Science and Engineering

### COURSE OUTCOME

- CO1.** Demonstrate need for OS and different types of OS
- CO2.** Discuss suitable techniques for management of different resources
- CO3.** Illustrate processor, memory, storage and file system commands
- CO4.** Explain the different concepts of OS in platform of usage through case studies

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



COLLEGE	SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY					
FACULTY NAME	Mrs. VEENA N D					
BRANCH	CSE	ACADEMIC YEAR			2019-20	
COURSE	B.E	SEMESTER	VI	SECTION		
SUBJECT				SUBJECT CODE	17CS64	

CO-PO-PSO Mapping															
COs	Pos												PSOs		
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3
CO1	2		1										1		
CO2	1	2	2	1									2		1
CO3		1													
CO4		1													
Average	1.5	1.33	1.5	1									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	81.3	1.62		0.81										0.81		
CO2	75.1	0.75	1.50	1.50	0.75									1.50		0.75
CO3	75.1		0.75													
CO4	81.4		0.81													
AVERAGE	1.18	1.02	1.15	0.75										1.15		0.75

*Neena N.D*

STAFF INCHARGE

*Cv. Ganesh Kumar*

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

*Neena N.D*  
PRINCIPAL  
SIET, TUMAKURU

17CS64

2019-20 EVEN

NDV VEENA NO

Roll No.	USN	Name				T1	T2			T3	ASSIGNMENT 10/4				SEE					Final				AVG
			T1	T2	T3	CO1-30	CO2-15	CO3-15	CO4-30	CO1-2	CO2-2	CO3-3	CO4-3	SEE	CO1-15	CO2-15	CO3-15	CO4-15	CO1-47	CO2-32	CO3-33	CO4-48		
1	15V15CS070	Priya Panda	30	30	29	30	15	15	29	2	2	3	3	25	6.3	6.3	6.3	6.3	38	23	24	38	31.0	
2	15V17CS001	Abhishek Kumar Pras	28	29	29	28	15	14	29	2	2	3	3	24	6.0	6.0	6.0	6.0	36	23	23	38	30.0	
3	15V17CS002	Abhishek Pandey	28	29	29	28	14	15	29	2	2	3	3	28	7.0	7.0	7.0	7.0	37	23	25	39	31.0	
4	15V17CS003	Aishwarya Mery E	29	30	29	29	15	15	29	2	2	3	3	23	5.8	5.8	5.8	5.8	37	23	24	38	30.3	
5	15V17CS004	Aman Prasad Kalwar	30	30	29	30	15	15	29	2	2	3	3	31	7.8	7.8	7.8	7.8	40	25	26	40	32.5	
6	15V17CS006	Anupriya Singh	30	30	30	30	15	15	30	2	2	3	3	30	7.5	7.5	7.5	7.5	40	25	26	41	32.5	
7	15V17CS009	Bhoomika M	30	30	29	30	15	15	29	2	2	3	3	28	7.0	7.0	7.0	7.0	39	24	25	39	31.8	
8	15V17CS012	Chandana D Gowda	30	30	29	30	15	15	29	2	2	3	3	27	6.8	6.8	6.8	6.8	39	24	25	39	31.5	
9	15V17CS013	Chethan D	30	30	29	30	15	15	29	2	2	3	3	39	9.8	9.8	9.8	9.8	42	27	28	42	34.5	
10	15V17CS014	Eva Regmi	27	27	27	27	15	12	27	2	2	3	3	36	9.0	9.0	9.0	9.0	38	26	24	39	31.8	
11	15V17CS016	Harshitha B A	30	30	29	30	15	15	29	2	2	3	3	37	9.3	9.3	9.3	9.3	41	26	27	41	34.0	
12	15V17CS017	Harshitha K	30	29	29	30	15	14	29	2	2	3	3	26	6.5	6.5	6.5	6.5	39	24	24	39	31.0	
13	15V17CS019	Kavya H S	30	29	29	30	15	14	29	2	2	3	3	31	7.8	7.8	7.8	7.8	40	25	25	40	32.3	
14	15V17CS020	Kavyashree Bk	30	30	29	30	15	15	29	2	2	3	3	38	9.5	9.5	9.5	9.5	42	27	28	42	34.3	
15	15V17CS021	Krupankh D N	30	30	29	30	15	15	29	2	2	3	3	27	6.8	6.8	6.8	6.8	39	24	25	39	31.5	
16	15V17CS023	Manasa N R	30	30	29	30	15	15	29	2	2	3	3	28	7.0	7.0	7.0	7.0	39	24	25	39	31.8	
17	15V17CS025	Mayank Sinha	28	30	29	28	15	15	29	2	2	3	3	24	6.0	6.0	6.0	6.0	36	23	24	38	30.3	
18	15V17CS026	Nanditha	30	30	29	30	15	15	29	2	2	3	3	26	6.5	6.5	6.5	6.5	39	24	25	39	31.3	
19	15V17CS029	Nidhi Anand	29	30	29	29	15	15	29	2	2	3	3	31	7.8	7.8	7.8	7.8	39	25	26	40	32.3	
20	15V17CS030	Nikesh Kumar Tiwari	30	29	29	30	15	14	29	2	2	3	3	29	7.3	7.3	7.3	7.3	39	24	24	39	31.8	
21	15V17CS031	Noor Asfiya	28	29	29	28	15	14	29	2	2	3	3	29	7.3	7.3	7.3	7.3	37	24	24	39	31.3	
22	15V17CS032	Prathamagowda Y P	30	29	29	30	15	14	29	2	2	3	3	25	6.3	6.3	6.3	6.3	38	23	23	38	30.8	

23	1SV17CS035	Rajesh Kumar Kahar	28	30	29	28	15	15	29	2	2	3	3	29	7.3	7.3	7.3	7.3	37	24	25	39	31.5
24	1SV17CS036	Sabha Khanum	28	29	29	28	14	15	29	2	2	3	3	31	7.8	7.8	7.8	7.8	38	24	26	40	31.8
25	1SV17CS037	Sadanand Kumar	28	28	29	28	14	14	29	2	2	3	3	23	5.8	5.8	5.8	5.8	36	22	23	38	29.5
26	1SV17CS038	Saurabh Pandey	27	30	29	27	15	15	29	2	2	3	3	28	7.0	7.0	7.0	7.0	36	24	25	39	31.0
27	1SV17CS039	Tezashree Pokharel	29	30	29	29	15	15	29	2	2	3	3	29	7.3	7.3	7.3	7.3	38	24	25	39	31.8
28	1SV17CS040	Udaya	29	30	29	29	15	15	29	2	2	3	3	23	5.8	5.8	5.8	5.8	37	23	24	38	30.3
29	1SV17CS041	Vidya C M	28	29	28	28	15	14	28	2	2	3	3	22	5.5	5.5	5.5	5.5	36	23	23	37	29.3
30	1SV17CS042	Vijay Kumar Jha	28	30	29	28	15	15	29	2	2	3	3	30	7.5	7.5	7.5	7.5	38	25	26	40	31.8
																			38.2	24.0	24.8	39.1	
																			81.3	75.1	75.1	81.4	

## Department of Computer Science and Engineering

2019-2020

### COURSE OUTCOMES

### COURSE: OPERATIONS RESEARCH -17CS653

- CO1. Explain optimization techniques for various problems.
- CO2. Understand the given problem as transportation and assignment problem and solve.
- CO3. Illustrate game theory for decision support 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.
- 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.

<b>COLLEGE</b>	<b>SHRIDEVI INSTITUTE OF ENGINEERING &amp; TECHNOLOGY</b>				
<b>FACULTY NAME</b>	Mr. CHETHAN M S				
<b>BRANCH</b>	CSE	<b>ACADEMIC YEAR</b>		2019-2020	
<b>COURSE</b>	B.E	<b>SEMESTER</b>	VI	<b>SECTION</b>	
<b>SUBJECT</b>	OPERATIONS RESEARCH		<b>SUBJECT CODE</b>		17CS653

**CO & PO MAPPING**

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	3
CO1	3	2	2	-	-	-	-	-	-	-	-	-	2		2
CO2	3	2	2	2	-	-	-	-	-	-	-	-	2	1	2
CO3	3	2	2	1	-	-	-	-	-	-	-	-	2		2
AVG	3	2	2	1	-	-	-	-	-	-	-	-	2	1	2
<b>OVERALL MAPPING OF SUBJECT</b>													1.85		

**CO AND PO ATTAINMENT**

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	77.90	2.33	1.55	1.55	-	-	-	-	-	-	-	-	-	1.55	-	1.55
CO2	77.59	2.32	1.55	1.55	1.55	-	-	-	-	-	-	-	-	1.55	0.77	1.55
CO3	78.65	2.35	1.57	1.57	0.78	-	-	-	-	-	-	-	-	1.57	-	1.57
AVERAGE	78.04	2.33	1.55	1.55	1.16	-	-	-	-	-	-	-	-	1.55	0.77	1.55
<b>FINAL ATTAINMENT LEVEL</b>														1.49		

*[Signature]*

STAFF INCHARGE

*[Signature]*

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

*[Signature]*

PRINCIPAL  
SIET, TUMAKURU

**Department of Computer Science and Engineering**

COURSE INSTRUCTOR: Prof. CHETHAN M S			COURSE CODE:17CS653			COURSE: OPERATIONS RESEARCH			SEM: VI SEM			2019-2020 EVEN SEM			TOTAL STRENGTH:30			CSE			
Roll No.	USN	Name	T1-30			T2-30			T3-30			ASSIGNMENT-10			SEE-60M			FINAL			SEE60M
			CO1-30	CO2-30	CO3-30	CO1-30	CO2-30	CO3-30	CO1-30	CO2-30	CO3-30	CO1-20	CO2-20	CO3-20	CO1-50.3	CO2-50.3	CO3-50.3				
1	ISV15CS070	Priya Panda	27	29	29	27	29	29	3.3	3.3	3.3	8.3	8.3	8.3	38.6	40.6	40.6	25			
2	ISV17CS001	Abhishek Kumar Prasad	30	29	29	30	29	29	3.3	3.3	3.3	8.0	8.0	8.0	41.3	40.3	40.3	24			
3	ISV17CS002	Abhishek Pandey	30	29	28	30	29	28	3.3	3.3	3.3	9.3	9.3	9.3	42.6	41.6	40.6	28			
4	ISV17CS003	Aishwarya Mery E	30	30	29	30	30	29	3.3	3.3	3.3	7.7	7.7	7.7	41.0	41.0	40.0	23			
5	ISV17CS004	Aman Prasad Kalwar	30	29	30	30	29	30	3.3	3.3	3.3	10.3	10.3	10.3	43.6	42.6	43.6	31			
6	ISV17CS006	Anupriya Singh	30	30	29	30	30	29	3.3	3.3	3.3	10.0	10.0	10.0	43.3	43.3	42.3	30			
7	ISV17CS009	Bhoomika M	30	27	30	30	27	30	3.3	3.3	3.3	9.3	9.3	9.3	42.6	39.6	42.6	28			
8	ISV17CS012	Chandana D Gowda	30	30	30	30	30	30	3.3	3.3	3.3	9.0	9.0	9.0	42.3	42.3	42.3	27			
9	ISV17CS013	Chethan D	30	30	30	30	30	30	3.3	3.3	3.3	13.0	13.0	13.0	46.3	46.3	46.3	39			
10	ISV17CS014	Eva Regmi	30	27	29	30	27	29	3.3	3.3	3.3	12.0	12.0	12.0	45.3	42.3	44.3	36			
11	ISV17CS016	Harshitha B A	28	28	29	28	28	29	3.3	3.3	3.3	12.3	12.3	12.3	43.6	43.6	44.6	37			
12	ISV17CS017	Harshitha K	30	29	27	30	29	27	3.3	3.3	3.3	8.7	8.7	8.7	42.0	41.0	39.0	26			
13	ISV17CS019	Kavya H S	30	29	29	30	29	29	3.3	3.3	3.3	10.3	10.3	10.3	43.6	42.6	42.6	31			
14	ISV17CS020	Kavyashree Bk	30	28	29	30	28	29	3.3	3.3	3.3	12.7	12.7	12.7	46.0	44.0	45.0	38			
15	ISV17CS021	Krupankh D N	30	27	30	30	27	30	3.3	3.3	3.3	9.0	9.0	9.0	42.3	39.3	42.3	27			
16	ISV17CS023	Manasa N R	30	30	30	30	30	30	3.3	3.3	3.3	9.3	9.3	9.3	42.6	42.6	42.6	28			
17	ISV17CS025	Mayank Sinha	30	29	30	30	29	30	3.3	3.3	3.3	8.0	8.0	8.0	41.3	40.3	41.3	24			
18	ISV17CS026	Nanditha	23	27	27	23	27	27	3.3	3.3	3.3	8.7	8.7	8.7	35.0	39.0	39.0	26			
19	ISV17CS029	Nidhi Anand	30	27	30	30	27	30	3.3	3.3	3.3	10.3	10.3	10.3	43.6	40.6	43.6	31			
20	ISV17CS030	Nikesh Kumar Tiwari	30	28	30	30	28	30	3.3	3.3	3.3	9.7	9.7	9.7	43.0	41.0	43.0	29			
21	ISV17CS031	Noor Asfiya	25	28	30	25	28	30	3.3	3.3	3.3	9.7	9.7	9.7	38.0	41.0	43.0	29			
22	ISV17CS032	Prathamagowda Y P	30	29	28	30	29	28	3.3	3.3	3.3	8.3	8.3	8.3	41.6	40.6	39.6	25			
23	ISV17CS035	Rajesh Kumar Kahar	30	30	29	30	30	29	3.3	3.3	3.3	9.7	9.7	9.7	43.0	43.0	42.0	29			
24	ISV17CS036	Sabha Khanum	25	27	27	25	27	27	3.3	3.3	3.3	10.3	10.3	10.3	38.6	40.6	40.6	31			
25	ISV17CS037	Sadanand Kumar	15	27	29	15	27	29	3.3	3.3	3.3	7.7	7.7	7.7	26.0	38.0	40.0	23			
26	ISV17CS038	Saurabh Pandey	28	29	29	28	29	29	3.3	3.3	3.3	9.3	9.3	9.3	40.6	41.6	41.6	28			
27	ISV17CS039	Tezashree Pokharel	30	30	29	30	30	29	3.3	3.3	3.3	9.7	9.7	9.7	43.0	43.0	42.0	29			
28	ISV17CS040	Udaya	30	30	30	30	30	30	3.3	3.3	3.3	7.7	7.7	7.7	41.0	41.0	41.0	23			
29	ISV17CS041	Vidya C M	30	24	29	30	24	29	3.3	3.3	3.3	7.3	7.3	7.3	40.6	34.6	39.6	22			
30	ISV17CS042	Vijay Kumar Jha	30	30	29	30	30	29	3.3	3.3	3.3	10.0	10.0	10.0	43.3	43.3	42.3	30			
															AVG	41.5	41.4	41.9			
															%	77.90285995	77.59016052	78.65332499			

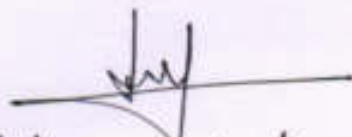
*Chethan M S*  
CHETHAN M S

HOD  
COMPUTER SCIENCE & ENGG.  
CSE  
DR. CHETHAN M S

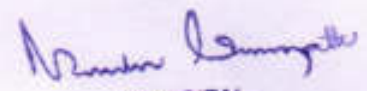
COLLEGE	SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY														
FACULTY NAME	PROF. SHANMUKASWAMY C V														
BRANCH	CS			ACADEMIC YEAR				2019-20							
PROGRAM	B.E	SEMESTER			VI	SECTION		A [CSE]							
COURSE NAME	PYTHON APPLICATION PROGRAMMING					COURSE CODE			17CS664						
CO & PO MAPPING															
	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	74	2.2	2.2			1.5										
CO2	74	2.2	2.2			1.5										
CO3	83	2.49	2.49	2.49		1.66								1.66		
CO4	76.1	2.28	2.28	2.28		1.52								1.52		
CO5	76	2.28	2.28	2.28		1.52								1.52		
AVERAGE		2.29	2.29	2.35		1.23								1.57		
FINAL ATTAINMENT LEVEL																1.95

  
 Prof. Shanmukaswamy C V  
 STAFF INCHARGE

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

  
 PRINCIPAL  
 SIET, TUMAKURU

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

## COsPOs ATTAINMENT

ACADEMIC YEAR -2019-20[EVEN SEM]

CLASS:6th SEM CSE

Course Name :Python Application Programming [17CS664]

Roll No.	USN	Name	T1			T2			T3					ASSIGNMENT 10/5					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	SEE [60]	CO1 12	CO2 12	CO3 12	CO4 12	CO5 12	CO1 29	CO2 29	CO3 44	CO4 29	CO5 29						
1	ISV15CS070	Priya Panda	14	14	29	15	15	2	2	2	2	2	2	25	5	5	5	5	5	21	21	36	22	22	76				
2	ISV17CS001	Abhishek Kumar Prasad	14	14	29	14	14	2	2	2	2	2	2	24	5	5	5	4	5	21	21	36	20	21	74				
3	ISV17CS002	Abhishek Pandey	14	14	29	14	14	2	2	2	1	1	28	6	6	6	5	5	22	22	37	21	21	77					
4	ISV17CS003	Aishwarya Mery E	15	15	30	15	15	2	2	2	2	2	23	4	4	5	5	5	21	21	37	22	22	77					
5	ISV17CS004	Aman Prasad Kalwar	15	15	30	15	15	2	2	2	2	2	31	6	6	6	6	7	23	23	38	23	24	82					
6	ISV17CS006	Anapriya Singh	14	14	30	15	15	2	2	2	2	2	30	6	6	6	6	6	22	22	38	23	23	80					
7	ISV17CS009	Bhoomika M	15	15	28	15	15	2	2	2	2	2	28	5	5	6	6	6	22	22	36	23	23	79					
8	ISV17CS012	Chandana D Gowda	15	15	28	15	15	2	2	2	2	2	27	5	5	5	6	6	22	22	35	23	23	78					
9	ISV17CS013	Chethan D	14	14	30	15	15	2	2	2	2	2	39	8	8	8	7	8	24	24	40	24	25	86					
10	ISV17CS014	Eva Regmi	15	14	29	14	15	2	2	2	2	2	36	7	7	7	8	7	24	23	38	24	24	83					
11	ISV17CS016	Harshitha B A	15	15	30	15	14	2	2	2	2	2	37	7	7	7	8	8	24	24	39	25	24	85					
12	ISV17CS017	Harshitha K	14	14	28	14	15	2	2	2	2	2	26	6	5	5	5	5	22	21	35	21	22	76					
13	ISV17CS019	Kavya H S	14	14	29	14	14	2	2	2	2	1	31	7	6	6	6	6	23	22	37	22	21	78					
14	ISV17CS020	Kavyashree Bk	14	14	28	15	14	2	2	2	2	1	38	8	8	8	7	7	24	24	38	24	23	83					
15	ISV17CS021	Krupankh D N	15	15	30	15	15	2	2	2	2	2	27	5	5	5	6	6	22	22	37	23	23	79					
16	ISV17CS023	Manasa N R	15	15	29	15	15	2	2	2	2	2	28	6	6	6	5	5	23	23	37	22	22	79					
17	ISV17CS025	Mayank Sinha	15	15	30	15	15	2	2	2	2	2	24	4	5	5	5	5	21	22	37	22	22	78					
18	ISV17CS026	Nanditha	14	14	28	14	14	2	2	2	2	2	26	6	5	5	5	5	22	21	35	21	21	75					
19	ISV17CS029	Nidhi Anand	14	14	29	14	14	2	2	2	2	2	31	6	6	6	6	7	22	22	37	22	23	79					
20	ISV17CS030	Nikesh Kumar Tiwari	14	13	29	14	15	2	2	2	1	2	29	6	6	6	6	5	22	21	37	22	22	77					
21	ISV17CS031	Noor Asfiya	14	14	29	14	14	2	2	2	1	2	29	5	6	6	6	6	21	22	37	22	22	78					
22	ISV17CS032	Prathamagowda Y P	10	10	26	15	14	2	2	1	2	2	25	5	5	5	5	5	17	17	32	22	21	68					
23	ISV17CS035	Rajesh Kumar Kahar	7	8	30	14	15	2	2	2	2	2	29	6	6	6	6	5	15	16	38	22	22	71					
24	ISV17CS036	Sabha Khunum	14	13	30	13	13	2	2	1	2	2	31	7	6	6	6	6	23	21	37	21	21	77					
25	ISV17CS037	Sadanand Kumar	14	14	27	12	12	2	2	1	2	2	23	5	5	5	4	4	21	21	33	18	18	69					
26	ISV17CS038	Saurabh Pandey	14	13	29	15	14	2	2	1	2	2	28	6	6	6	5	5	22	21	36	22	21	76					
27	ISV17CS039	Tezashree Pokharel	14	13	30	14	14	2	2	1	2	2	29	6	6	6	6	5	22	21	37	22	21	77					
28	ISV17CS040	Udaya	15	15	30	15	15	2	2	2	2	2	23	5	5	5	4	4	22	22	37	21	21	77					
29	ISV17CS041	Vidya C M	13	13	25	14	13	2	2	2	2	2	22	4	4	4	5	5	19	19	31	21	20	69					
30	ISV17CS042	Vijay Kumar Jha	14	13	29	14	15	2	2	2	2	2	30	6	6	6	6	6	22	21	37	22	23	78					
																			22	21	37	22	22						
																				74	74	83	76	76					

Attainment

H.O.D.  
COMPUTER SCIENCE & ENGG.,  
SIET, TUMAKURU-09.

Prof. Phani Chaitanya C V



SHRIDEVI  
EDUCATION

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

**Department of Computer Science and Engineering**

2019-2020

**COURSE OUTCOMES****COURSE: INTERNET OF THINGS AND APPLICATIONS- 15CS81**

- 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.
- 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.



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ESTD: 2002



<b>COLLEGE</b>	<b>SHRIDEVI INSTITUTE OF ENGINEERING &amp; TECHNOLOGY</b>				
<b>FACULTY NAME</b>	Mr. CHETHAN M S				
<b>BRANCH</b>	CSE	<b>ACADEMIC YEAR</b>		2019-2020	
<b>COURSE</b>	B.E	<b>SEMESTER</b>	VIII	<b>SECTION</b>	
<b>SUBJECT</b>	INTERNET OF THINGS AND APPLICATIONS			<b>SUBJECT CODE</b>	15CS81

**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
<b>OVERALL MAPPING OF SUBJECT</b>												1.65			

**CO AND PO ATTAINMENT**

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	81.92	2.45	1.63	2.45	1.63	-	-	-	-	-	-	-	1.63	1.63	0.81	2.45
CO2	81.98	1.63	1.63	1.63	1.63	1.63	-	1.63	-	-	-	-	1.63	1.63	1.63	2.45
CO3	79.14	1.58	1.58	1.58	-	-	-	-	-	-	-	-	1.58	1.58	1.58	2.37
CO4	78.08	2.34	2.34	2.34	-	-	1.56	-	-	-	-	-	1.56	1.56	1.56	2.34
CO5	76.48	1.52	0.76	1.52	-	-	1.52	1.52	-	-	-	-	1.52	1.52	0.76	2.29
AVERAGE	79.52	1.90	1.58	1.90	1.63	1.63	1.04	1.57					1.58	1.58	1.26	2.38
<b>FINAL ATTAINMENT LEVEL</b>													1.64			

*[Signature]*  
 STAFF INCHARGE

*[Signature]*  
 HOD,  
 COMPUTER SCIENCE & ENGG.,  
 SIET, TUMAKURU-08.

*[Signature]*  
 PRINCIPAL  
 SIET, TUMAKURU

Department of Computer Science and Engineering

COURSE INSTRUCTOR: Prof. CHETHAN M S			COURSE CODE:15CS81		COURSE: INTERNET OF THINGS AND APPLICATIONS						SEM: VIII SEM		2019-2020 EVEN SEM					TOTAL STRENGTH : 23					CSE												
Roll No.	USN	Name	T1		T2		T3		ASSIGNMENT-05					SEE - SUM					FINAL					SEK-80 M											
			T1=15	T2=15	T3=15	CO1=15	CO2=15	CO3=15	CO4=15	CO5=15	CO1=1	CO2=1	CO3=1	CO4=1	CO5=1	CO1=14	CO2=14	CO3=14	CO4=14	CO5=14	CO1=32	CO2=34	CO3=34		CO4=34	CO5=34									
1	15V14CS036	Midila Muruli	13	13	13	13	7	6	8	7	1	1	1	1	1	10.2	10.2	10.2	10.2	10.2	24.5	18.2	17.2	19.2	18.2	31									
2	15V14CS040	Nirmitha CB	13	15	12	13	8	7	6	6	0.8	0.8	0.8	0.8	0.8	12.2	12.2	12.2	12.2	12.2	25	21	20	19	19	61									
3	15V15CS001	Adithya shah	14	14	13	14	7	7	7	7	1	1	1	1	1	8.6	8.6	8.6	8.6	8.6	23.6	16.6	16.6	16.6	16.6	43									
4	15V15CS009	Beeram Tejasree	AB	15	12	0	8	7	6	6	1	1	1	1	1	8.4	8.4	8.4	8.4	8.4	19.4	17.4	16.4	15.4	15.4	42									
5	15V15CS012	Bhavya B	14	15	13	14	8	7	7	6	1	1	1	1	1	10.8	10.8	10.8	10.8	10.8	25.8	19.8	18.8	18.8	17.8	54									
6	15V15CS014	Chandoo Y K	14	15	12	14	8	7	6	6	1	1	1	1	1	11	11	11	11	11	26	20	19	18	18	55									
7	15V15CS022	Harshitha B C	15	15	13	15	8	7	7	6	0.8	0.8	0.8	0.8	0.8	8.6	8.6	8.6	8.6	8.6	24.6	17.4	16.4	16.4	15.4	43									
8	15V15CS028	Sanath Kumar K S	14	14	12	14	7	7	6	6	1	1	1	1	1	12.6	12.6	12.6	12.6	12.6	27.6	20.6	20.6	19.6	19.6	63									
9	15V15CS038	Madhuvand shyanavud	15	14	8	15	7	7	4	4	1	1	1	1	1	10.4	10.4	10.4	10.4	10.4	26.4	18.4	18.4	15.4	15.4	52									
10	15V15CS042	Meenakshi P	13	14	13	13	7	7	7	6	1	1	1	1	1	8.6	8.6	8.6	8.6	8.6	23.6	16.6	16.6	16.6	15.6	43									
11	15V15CS053	Nargiz Naaz	15	15	14	15	8	7	7	7	1	1	1	1	1	14.4	14.4	14.4	14.4	14.4	36.4	23.4	22.4	22.4	22.4	72									
12	15V15CS055	Nayana	13	14	14	15	7	7	7	7	1	1	1	1	1	9.8	9.8	9.8	9.8	9.8	25.6	17.8	17.8	17.8	17.8	49									
13	15V15CS058	Nikitha M	15	15	13	15	8	7	7	6	1	1	1	1	1	11.2	11.2	11.2	11.2	11.2	27.2	20.2	19.2	19.2	18.2	56									
14	15V15CS059	Nischitha D	15	14	12	15	7	7	6	6	1	1	1	1	1	12.8	12.8	12.8	12.8	12.8	29.8	20.8	20.8	19.8	19.8	64									
15	15V15CS067	Pooja K S	13	15	14	15	8	7	7	7	1	1	1	1	1	11.6	11.6	11.6	11.6	11.6	27.6	20.6	19.6	19.6	19.6	58									
16	15V15CS078	Radhmi P	13	14	12	13	7	7	6	6	1	1	1	1	1	14.2	14.2	14.2	14.2	14.2	36.2	22.2	22.2	21.2	21.2	71									
17	15V15CS079	Ravi sriwal	13	13	13	15	7	6	7	6	1	1	1	1	1	13.6	13.6	13.6	13.6	13.6	29.6	21.6	20.6	21.6	20.6	68									
18	15V15CS082	Sagar B R	14	15	14	14	8	7	7	7	1	1	1	1	1	11.4	11.4	11.4	11.4	11.4	26.4	20.4	19.4	19.4	19.4	57									
19	15V15CS090	Shubham Hunshal	13	15	14	15	8	7	7	7	1	1	1	1	1	12.2	12.2	12.2	12.2	12.2	29.2	21.2	20.2	20.2	20.2	61									
20	15V15CS097	Sushmitha T	15	15	13	15	8	7	7	6	1	1	1	1	1	11.8	11.8	11.8	11.8	11.8	27.8	20.8	19.8	19.8	18.8	59									
21	15V15CS101	Varshitha R M	15	15	14	15	8	7	7	7	1	1	1	1	1	13.4	13.4	13.4	13.4	13.4	29.4	22.4	21.4	21.4	21.4	67									
22	15V15CS408	Shama Aftoon	15	15	13	15	8	7	7	6	1	1	1	1	1	15	15	15	15	15	39	24	23	23	22	75									
23	15V16CS002	Meghadree B	14	15	13	14	8	7	7	6	0.6	0.6	0.6	0.6	0.6	12	12	12	12	12	26.6	20.6	19.6	19.6	18.6	60									
																				AVG	26.21739	30.08696	19.3913	19.13043	18.73913										
																				%	81.92905	81.98758	79.14818	78.08341	76.48625										

*Chethan M.S*  
CHETHAN M.S

*Dr. Hanumanth Shetty*  
H.O.D.  
COMPUTER SCIENCE & ENGG.  
SIET, TUMAKURU-06.

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

<b>SUBJECT</b>	<b>BIG DATA ANALYTICS</b>	<b>SUBJECT CODE</b>	<b>15CS82</b>
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**COURSE OUTCOME**

- CO1.** Master the concepts of HDFS and MapReduce framework
- CO2.** Investigate Hadoop related tools for Big Data Analytics and perform basic Hadoop Administration
- CO3.** Recognize the role of Business Intelligence, Data warehousing and Visualization in decision making
- CO4.** Infer the importance of core data mining techniques for data analytics
- CO5.** Compare and contrast different Text Mining Techniques

**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					2019-20					
COURSE	B.E	SEMESTER					VIII									
SUBJECT	BIG DATA ANALYTICS					SUBJECT CODE					15CS82					

#### CO & PO MAPPING

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO 1	PSO 2	PSO 3
CO1	3	2	2						2			2		2	
CO2	3	2	2		1							2			1
CO3	3	1	2				2					2			
CO4				1			1			2			1		2
CO5									2					2	
AVERAGE	3	1.66	2	1	1		1.5		2	2		2	1	2	1.5
OVERALL MAPPING OF SUBJECT													1.721		

#### 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	PSO 1	PSO 2	PSO 3
41.77	1.23	0.82	0.82						0.82			0.82		0.82	
42.95	1.26	0.84	0.84		0.42							0.84			0.42
55.59	1.65	0.55	1.1				1.1					1.1			
55.73				0.55			0.55			1.1			0.55		1.1
55.81									1.1					1.1	
AVERAGE	50.32	1.38	0.73	0.92	0.5	0.42		0.82	0.96	1.1		0.92	0.55	0.96	0.76
FINAL ATTAINMENT LEVEL													0.77		

STAFF INCHARGE

HOD,  
COMPUTER SCIENCE & ENGG.,  
SIET, TUMAKURU-66.

PRINCIPAL  
SIET, TUMAKURU

19-20 exam

15CS82		19-2020 EVI			SEM :VIII SEM					RPC: Mrs. RENUKARADHYA P C																					
Roll No.	USN	Name	T1	T2	T3	T1	T2	T3	T3	ASSIGNMENT 5/6						SEE						Final									
			CO1-15	CO2-15	CO3-15	CO4-15	CO5-15	CO6-15	CO1=0.8/3	CO2=0.8/3	CO3=0.8/3	CO4=0.8/3	CO5=0.8/3	CO6=0.8/3	SEE	CO1-16	CO2-16	CO3-16	CO4-16	CO5-16	CO6-16	CO1-31.8/3	CO2-31.8/3	CO3-31.8/3	CO4-31.8/3	CO5-31.8/3	CO6-31.8/3				
1	1SV14CS036	Midila Muruli	0	15	13	0	0	7.5	7.5	6.5	6.5	0.83	0.83	0.83	0.83	0.83	0.83	0	0	0	0	0	0	0	0	0.83	8.33	8.33	7.33	7.37	
2	1SV14CS040	Nirmitha CB	0	15	14	0	0	7.5	7.5	7	7	0.83	0.83	0.83	0.83	0.83	0.83	70	11.7	11.7	11.7	11.7	11.7	11.7	12.5	12.5	20	20	19.5	7.33	
3	1SV15CS001	Adithya shah	0	15	13	0	0	7.5	7.5	6.5	6.5	0.83	0.83	0.83	0.83	0.83	0.83	63	10.5	10.5	10.5	10.5	10.5	10.5	11.3	11.3	18.8	18.8	17.8	19.5	
4	1SV15CS009	Beeram Tejasree	0	0	14	0	0	0	0	7	7	0.83	0.83	0.83	0.83	0.83	0.83	43	7.17	7.17	7.17	7.17	7.17	7.17	8	8	8	8	15	17.8	
5	1SV15CS012	Bhavya B	0	15	15	0	0	7.5	7.5	7.5	7.5	0.83	0.83	0.83	0.83	0.83	0.83	47	7.83	7.83	7.83	7.83	7.83	7.83	8.67	8.67	16.2	16.2	16.2	15	
6	1SV15CS014	Chandan Y K	14	15	15	7	7	7.5	7.5	7.5	7.5	0.83	0.83	0.83	0.83	0.83	0.83	55	9.17	9.17	9.17	9.17	9.17	9.17	17	17	17.5	17.5	17.5	16.2	
7	1SV15CS022	Harshith0 C	0	15	15	0	0	7.5	7.5	7.5	7.5	0.83	0.83	0.83	0.83	0.83	0.83	70	11.7	11.7	11.7	11.7	11.7	11.7	12.5	12.5	20	20	20	17.5	
8	1SV15CS028	Sanath Kumar K S	10	15	15	5	5	7.5	7.5	7.5	7.5	0.83	0.83	0.83	0.83	0.83	0.83	77	12.8	12.8	12.8	12.8	12.8	12.8	18.7	18.7	21.2	21.2	21.2	20	
9	1SV15CS038	Madavanand shyana	0	15	14	0	0	7.5	7.5	7	7	0.83	0.83	0.83	0.83	0.83	0.83	79	13.2	13.2	13.2	13.2	13.2	13.2	14	14	21.5	21.5	21	21.2	
10	1SV15CS042	Meenakshi P	0	15	14	0	0	7.5	7.5	7	7	0.83	0.83	0.83	0.83	0.83	0.83	63	10.5	10.5	10.5	10.5	10.5	10.5	11.3	11.3	18.8	18.8	18.3	21	
11	1SV15CS053	Nargiz Naaz	15	15	15	7.5	7.5	7.5	7.5	7.5	7.5	0.83	0.83	0.83	0.83	0.83	0.83	38	6.33	6.33	6.33	6.33	6.33	6.33	14.7	14.7	14.7	14.7	14.7	18.3	
12	1SV15CS055	Nayana	0	15	14	0	0	7.5	7.5	7	7	0.83	0.83	0.83	0.83	0.83	0.83	43	7.17	7.17	7.17	7.17	7.17	7.17	8	8	15.5	15.5	15	14.7	
13	1SV15CS058	Nikitha M	15	15	15	7.5	7.5	7.5	7.5	7.5	7.5	0.83	0.83	0.83	0.83	0.83	0.83	49	8.17	8.17	8.17	8.17	8.17	8.17	16.5	16.5	16.5	16.5	16.5	15	
14	1SV15CS059	Nischitha D	0	15	14	0	0	7.5	7.5	7	7	0.83	0.83	0.83	0.83	0.83	0.83	58	9.67	9.67	9.67	9.67	9.67	9.67	10.5	10.5	18	18	17.5	16.5	
15	1SV15CS067	Pooja K S	14	15	15	7	7	7.5	7.5	7.5	7.5	0.83	0.83	0.83	0.83	0.83	0.83	63	10.5	10.5	10.5	10.5	10.5	10.5	18.3	18.3	18.8	18.8	18.8	17.5	
16	1SV15CS078	Rashmi P	14	15	15	7	7	7.5	7.5	7.5	7.5	0.83	0.83	0.83	0.83	0.83	0.83	77	12.8	12.8	12.8	12.8	12.8	12.8	20.7	20.7	21.2	21.2	21.2	18.8	
17	1SV15CS079	Ravi ujwal	13	15	14	6.5	6.5	7.5	7.5	7	7	0.83	0.83	0.83	0.83	0.83	0.83	37	6.17	6.17	6.17	6.17	6.17	6.17	13.5	13.5	14.5	14.5	14	21.2	
18	1SV15CS082	Sagar B R	14	15	15	7	7	7.5	7.5	7.5	7.5	0.83	0.83	0.83	0.83	0.83	0.83	40	6.67	6.67	6.67	6.67	6.67	6.67	14.5	14.5	15	15	15	14	
19	1SV15CS090	Shubham Hunshal	14	15	15	7	7	7.5	7.5	7.5	7.5	0.83	0.83	0.83	0.83	0.83	0.83	59	9.83	9.83	9.83	9.83	9.83	9.83	17.7	17.7	18.2	18.2	18.2	15	
20	1SV15CS097	Sushmitha T	13	15	14	6.5	0.7	7.5	7.5	7	7	0.83	0.83	0.83	0.83	0.83	0.83	37	6.17	6.17	6.17	6.17	6.17	6.17	13.5	7.65	14.5	14.5	14	18.2	
21	1SV15CS101	Varshitha R M	14	15	14	7	7	7.5	7.5	7	7	0.83	0.83	0.83	0.83	0.83	0.83	36	6	6	6	6	6	6	6	13.8	13.8	14.3	14.3	13.8	14
22	1SV15CS408	Shama Afreen	0	14	14	0	0	7	7	7	7	0.83	0.83	0.83	0.83	0.83	0.83	78	13	13	13	13	13	13	13	13.8	20.8	20.8	20.8	13.8	
23	1SV16CS002	Meghashree B	14	15	15	7	7	7.5	7.5	7.5	7.5	0.83	0.83	0.83	0.83	0.83	0.83	52	8.67	8.67	8.67	8.67	8.67	8.67	8.67	16.5	16.5	17	17	17	17
																					AVG		13.3	13.7	17.7	17.7	17.7	17.7	17.7	17.1	
																					PERC		41.8	43	55.6	55.6	55.7	53.8			

Signature of Staff

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



## Department of Computer Science and Engineering

### COURSE OUTCOME

- CO1. Understand the importance of user interface and benefits of good design..
- CO2. Understand the user interface design process and business function.
- CO3. Understand the types of system menus and navigation schemes.
- CO4. Understand the characteristics of windows and device based controls.
- CO5. Understand the screen based controls and kinds of tests

### 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. BASAVESHA D					
BRANCH	CSE	ACADEMIC YEAR			2018-19	
COURSE	B.E	SEMESTER	VIII	SECTION		
SUBJECT	USER INTERFACE DESIGN			SUBJECT CODE	15CS832	

CO-PO-PSO Mapping																
COs	Pos												PSOs			
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	
CO1	1											1	1	1	2	
CO2	1											1	1	1	2	
CO3	1	1	1									1	1	1	2	
CO4	1	1	1									1	1	1	2	
CO5	1	1	1									1	1	1	2	
Average	1	1	1									1	1	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	94.2	0.94											0.94	0.94	0.94	1.88
CO2	93.7	0.93											0.93	0.93	0.93	1.87
CO3	89.6	0.89	0.89	0.89									0.89	0.89	0.89	1.87
CO4	94	0.94	0.94	0.94									0.94	0.94	0.94	1.88
CO5	92.1	0.92	0.92	0.92									0.92	0.92	0.92	1.84
Avg		0.92	0.91	0.91									0.92	0.92	0.92	1.85

*B.S.*  
STAFF INCHARGE

*C. S. Basavesha D*  
HOD.  
COMPUTER SCIENCE & ENGG.,  
SIET, TUMAKURU-16.

*N. S. Kumar*  
PRINCIPAL  
SIET, TUMAKURU



15CS832

2018-19

SUB:UID

SEM:VIII

EVEN

BASAVESHA .D

Roll No.	USN	Name	IA			T1	T2		T3		ASSIGNMENT 5/5					EXTERNAL					FINAL					TOTAL AVG	
			T1	T2	T3	CO1-15	CO2-7	CO3-8	CO4-7	CO5-8	CO1-1	CO2-1	CO3-1	CO4-1	CO5-1	SEE(60)	CO1-12	CO2-12	CO3-12	CO4-12	CO5-12	CO1-28	CO2-20	CO3-21	CO4-20		CO5-21
1	15V14CS036	Midila Muruli	14	14	14	14	7	7	7	7	1	1	1	1	1	0	0	0	0	0	0	15	8	8	8	8	9.4
2	15V14CS040	Nirmitha CB	15	14	15	15	7	7	7	8	1	1	1	1	1	70	14	14	14	14	14	30	22	22	22	23	23.8
3	15V15CS001	Adithya shah	14	14	14	14	7	7	7	7	1	1	1	1	1	63	12.6	12.6	12.6	12.6	12.6	27.6	20.6	20.6	20.6	20.6	22
4	15V15CS009	Beeram Tejasree	15	14	15	15	7	7	7	8	1	1	1	1	1	43	8.6	8.6	8.6	8.6	8.6	24.6	16.6	16.6	16.6	17.6	18.4
5	15V15CS012	Bhavya B	15	14	15	15	7	7	7	8	1	1	1	1	1	47	9.4	9.4	9.4	9.4	9.4	25.4	17.4	17.4	17.4	18.4	19.2
6	15V15CS014	Chandan Y K	15	14	15	15	7	7	7	8	1	1	1	1	1	55	11	11	11	11	11	27	19	19	19	20	20.8
7	15V15CS022	Harshitha B C	14	14	14	14	7	7	7	7	1	1	1	1	1	70	14	14	14	14	14	29	22	22	22	22	23.4
8	15V15CS028	Sanath Kumar K S	15	14	15	15	7	7	7	8	1	1	1	1	1	77	15.4	15.4	15.4	15.4	15.4	31.4	23.4	23.4	23.4	24.4	25.2
9	15V15CS038	Madavanand shyana	15	13	14	15	7	6	7	7	1	1	1	1	1	79	15.8	15.8	15.8	15.8	15.8	31.8	23.8	22.8	23.8	23.8	25.2
10	15V15CS042	Meenalshi P	14	14	14	14	7	7	7	7	1	1	1	1	1	63	12.6	12.6	12.6	12.6	12.6	27.6	20.6	20.6	20.6	20.6	22
11	15V15CS053	Nargiz Naaz	15	15	15	15	7	8	7	7	1	1	1	1	1	38	7.6	7.6	7.6	7.6	7.6	23.6	15.6	16.6	15.6	15.6	17.4
12	15V15CS055	Nayana	15	14	15	15	7	7	7	8	1	1	1	1	1	43	8.6	8.6	8.6	8.6	8.6	24.6	16.6	16.6	16.6	17.6	18.4
13	15V15CS058	Nikitha M	15	15	15	15	7	8	7	8	1	1	1	1	1	49	9.8	9.8	9.8	9.8	9.8	25.8	17.8	18.8	17.8	18.8	19.8
14	15V15CS059	Nischitha D	15	14	15	15	7	7	7	8	1	1	1	1	1	58	11.6	11.6	11.6	11.6	11.6	27.6	19.6	19.6	19.6	20.6	21.4
15	15V15CS067	Pooja K S	15	14	15	15	7	7	7	8	1	1	1	1	1	63	12.6	12.6	12.6	12.6	12.6	28.6	20.6	20.6	20.6	21.6	22.4
16	15V15CS078	Rashmi P	14	15	15	14	7	8	7	8	1	1	1	1	1	77	15.4	15.4	15.4	15.4	15.4	30.4	23.4	24.4	23.4	24.4	25.2
17	15V15CS079	Ravi ujjwal	14	14	14	14	7	7	7	7	1	1	1	1	1	37	7.4	7.4	7.4	7.4	7.4	22.4	15.4	15.4	15.4	15.4	16.8
18	15V15CS082	Sagar B R	14	14	14	14	7	7	7	7	1	1	1	1	1	40	8	8	8	8	8	23	16	16	16	16	17.4
19	15V15CS090	Shubham Hunshal	15	14	15	15	7	7	7	8	1	1	1	1	1	59	11.8	11.8	11.8	11.8	11.8	27.8	19.8	19.8	19.8	20.8	21.6
20	15V15CS097	Sushmitha T	15	14	15	15	7	7	7	8	1	1	1	1	1	37	7.4	7.4	7.4	7.4	7.4	23.4	15.4	15.4	15.4	16.4	17.2
21	15V15CS101	Varshitha R M	15	14	15	15	7	7	7	8	1	1	1	1	1	36	7.2	7.2	7.2	7.2	7.2	23.2	15.2	15.2	15.2	16.2	17
22	15V15CS408	Shama Afreen	14	14	14	14	7	7	7	7	1	1	1	1	1	78	15.6	15.6	15.6	15.6	15.6	30.6	23.6	23.6	23.6	23.6	25
23	15V16CS002	Meghashree B	15	14	15	15	7	7	7	8	1	1	1	1	1	52	10.4	10.4	10.4	10.4	10.4	26.4	18.4	18.4	18.4	19.4	20.2

26.38	18.73	18.82	18.73	19.34
94.2	93.7	89.6	94	92.1

*Cv Shyamshree Shree*  
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