Sri Shridevi Charitable Trust (R.)
SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY
Sira Road, Tumkur - 572 106, Karnataka, India.
Phone: 0816 - 2212629 | Principal: 0816 - 2212627, 9686114899 | Telefax: 0816 - 2212628
Email: info@shrideviengineering.org, principal@shridevengineering.org | Website: www.shridevengineering.org
(Approved by AICTE, New Delhi, Recognised by Govt. of Karnataka and Affiliated to Visvesvaraya Technological University, Belagavi)
ESTD:2002
20 YEARS Academic Excellence

Department of Artificial Intelligence and Data Science

COURSE OUTCOME

CO1: Apply the K–Map techniques to simplify various Boolean expressions.
CO2: Design different types of combinational and sequential circuits along with Verilog programs.
CO3: Describe the fundamentals of machine instructions, addressing modes and Processor performance.
CO4: Explain the approaches involved in achieving communication between processor and I/O devices.
CO5:Analyze internal Organization of Memory and Impact of cache/Pipelining on Processor Performance.

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 forsustainable 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.

PRINCIPAL
SIET. TUMKUR.

COLLEGE	SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY				
FACULTY NAME	MRS. KOTRAMMA MATHADA				
BRANCH	AI&DS	ACADEMIC YEAR	2023-24		
COURSE	B.E	SEMESTER	III	SECTION	-
SUBJECT	DIGITAL DESGIN AND COMPUTER ORGANIZATION	SUBJECT CODE	BCS302		

CO & PO MAPPING

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	2	1	-	-	1	-	-	-	-	-	1	3	2	2
CO2	3	3	1	-	-	-	-	-	-	-	-	1	3	2	2
CO3	3	2	2	-	-	1	-	-	-	-	-	1	3	2	3
CO4	3	3	2	-	-	-	-	-	-	-	-	1	3	2	3
CO5	3	2	1	-	-	-	-	-	-	-	-	1	3	2	3
AVERAGE	3	2.5	1.4	-	-	1	-	-	-	-	-	1.0	3.0	2.0	2.6
OVERALL MAPPING OF SUBJECT												1.98			

CO - PO ATTAINMENT

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	67.8	2.03	1.35	0.67			0.67						0.67	2.03	1.35	1.35
CO2	67.8	2.03	2.03	0.67									0.67	2.03	1.35	1.35
CO3	64.9	1.94	1.29	1.29			0.64						0.64	1.94	1.29	1.94
CO4	64.9	1.94	1.94	1.29									0.64	1.94	1.29	1.94
CO5	65.6	1.96	1.31	0.65									0.65	1.96	1.31	1.96
AVERAGE		1.98	1.58	0.91			0.65						0.65	1.98	1.31	1.70
FINAL ATTAINMENT LEVEL													1.34			

STAFF INCHARGE

HOD

HOD
Department of AI&DS
SIET Tumakuru

Sri Shridevi Charitable Trust (R.)
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(Approved by AICTE, New Delhi, Recognised by Govt. of Karnataka and Affiliated to Visvesvaraya Technological University, Belagavi)
ESTD: 2002

III SEM

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE 2023-24

BCS302 2023-24 ODD DD&CO Faculty : Mrs. Kotramma Mathada

Roll No.	USN	Name	T1	T2	T3	T1 CO1-10	T1 CO2-10	T2 CO3-10	T2 CO4-10	T3 CO5-20	ASSIGNMENT 10/3 CO1-2	CO2-2	CO3-2	CO4-2	CO5-2	LAB	INTIGERATED LAB-20/5 CO1-4	CO2-4	CO3-4	CO4-4	CO5-4	SEE	SEE CO1-10	SEE CO2-10	SEE CO3-10	SEE CO4-10	SEE CO5-10	Final CO1-26	Final CO2-26	Final CO3-26	Final CO4-26	Final CO5-36	TOTAL
1	1SV22AD001	AIJAJ SADIK MULLA	12	12	12	6	6	6	6	12	2	2	2	2	2	24	4.8	4.8	4.8	4.8	4.8	26	5.20	5.20	5.20	5.20	5.20	18.00	18.00	18.0	18.0	24.0	19.2
2	1SV22AD002	AKSHATHA D K-	14	14	15	7	7	7	7	15	2	2	2	2	2	25	5	5	5	5	5	37	7.40	7.40	7.40	7.40	7.40	21.40	21.40	21.4	21.4	29.4	23.0
3	1SV22AD003	ALFIYA AMEEM	8	6	11	4	4	3	3	11	2	2	2	2	2	22	4.4	4.4	4.4	4.4	4.4	18	3.60	3.60	3.60	3.60	3.60	14.00	14.00	13.0	13.0	21.0	15.0
4	1SV22AD004	AMITH B R-	11	2	10	5.5	5.5	1	1	10	2	2	2	2	2	23	4.6	4.6	4.6	4.6	4.6	22	4.40	4.40	4.40	4.40	4.40	16.50	16.50	12.0	12.0	21.0	15.6
5	1SV22AD005	ANJAN B-	15	14	14	7.5	7.5	7	7	14	2	2	2	2	2	25	5	5	5	5	5	23	4.60	4.60	4.60	4.60	4.60	19.10	19.10	18.6	18.6	25.6	20.2
6	1SV22AD006	ANKIT VERMA	9	8	8	4.5	4.5	4	4	8	2	2	2	2	2	23	4.6	4.6	4.6	4.6	4.6	18	3.60	3.60	3.60	3.60	3.60	14.70	14.70	14.2	14.2	18.2	15.2
7	1SV22AD007	ARFA M H	15	14	15	7.5	7.5	7	7	15	2	2	2	2	2	25	5	5	5	5	5	30	6.00	6.00	6.00	6.00	6.00	20.50	20.50	20.0	20.0	28.0	21.8
8	1SV22AD009	ATHMIYA D M	13	8	10	6.5	6.5	4	4	10	2	2	2	2	2	23	4.6	4.6	4.6	4.6	4.6	33	6.60	6.60	6.60	6.60	6.60	19.70	19.70	17.2	17.2	23.2	19.4
9	1SV22AD010	BEERESH K S	11	2	8	5.5	5.5	1	1	8	2	2	2	2	2	22	4.4	4.4	4.4	4.4	4.4	23	4.60	4.60	4.60	4.60	4.60	16.50	16.50	12.0	12.0	19.0	15.2
10	1SV22AD011	BHAVYASHREE D C-	14	11	12	7	7	5.5	5.5	12	2	2	2	2	2	24	4.8	4.8	4.8	4.8	4.8	29	5.80	5.80	5.80	5.80	5.80	19.60	19.60	18.1	18.1	24.6	20.0
11	1SV22AD012	C RAHUL	8	5	9	4	4	2.5	2.5	9	2	2	2	2	2	23	4.6	4.6	4.6	4.6	4.6	14	2.80	2.80	2.80	2.80	2.80	13.40	13.40	11.9	11.9	18.4	13.8
12	1SV22AD013	CHANDANA D	14	14	13	7	7	7	7	13	2	2	2	2	2	25	5	5	5	5	5	25	5.00	5.00	5.00	5.00	5.00	19.00	19.00	19.0	19.0	25.0	20.2
13	1SV22AD014	CHANDANA D C	13	13	13	6.5	6.5	6.5	6.5	13	2	2	2	2	2	23	4.6	4.6	4.6	4.6	4.6	28	5.60	5.60	5.60	5.60	5.60	18.70	18.70	18.7	18.7	25.2	20.0
14	1SV22AD015	DEEPIKA K-	15	14	14	7.5	7.5	7	7	14	2	2	2	2	2	25	5	5	5	5	5	31	6.20	6.20	6.20	6.20	6.20	20.70	20.70	20.2	20.2	27.2	21.8
15	1SV22AD016	DEEPIKA M	14	12	13	7	7	6	6	13	2	2	2	2	2	23	4.6	4.6	4.6	4.6	4.6	21	4.20	4.20	4.20	4.20	4.20	17.80	17.80	16.8	16.8	23.8	18.6
16	1SV22AD017	DHIVYASHREE N	13	14	13	6.5	6.5	7	7	13	2	2	2	2	2	24	4.8	4.8	4.8	4.8	4.8	22	4.40	4.40	4.40	4.40	4.40	17.70	17.70	18.2	18.2	24.2	19.2
17	1SV22AD018	DIVAKAR N	10	5	7	5	5	2.5	2.5	7	2	2	2	2	2	22	4.4	4.4	4.4	4.4	4.4	6	1.20	1.20	1.20	1.20	1.20	12.60	12.60	10.1	10.1	14.6	12.0
18	1SV22AD019	FIRDOSE ARA-	13	14	14	6.5	6.5	7	7	14	2	2	2	2	2	25	5	5	5	5	5	33	6.60	6.60	6.60	6.60	6.60	20.10	20.10	20.6	20.6	27.6	21.8
19	1SV22AD020	GAGANA T R	12	9	13	6	6	4.5	4.5	13	2	2	2	2	2	23	4.6	4.6	4.6	4.6	4.6	30	6.00	6.00	6.00	6.00	6.00	18.60	18.60	17.1	17.1	25.6	19.4
20	**1SV22AD021**	**GOKUL S P-**	**12**	**12**	**13**	6	6	6	6	13	2	2	2	2	2	20	4	4	4	4	4	26	5.20	5.20	5.20	5.20	5.20	17.20	17.20	17.2	17.2	24.2	18.6
21	1SV22AD022	HARSHITHA S	12	11	14	6	6	5.5	5.5	14	2	2	2	2	2	24	4.8	4.8	4.8	4.8	4.8	33	6.60	6.60	6.60	6.60	6.60	19.40	19.40	18.9	18.9	27.4	20.8
22	1SV22AD023	HARSHITHA Y	12	11	13	6	6	5.5	5.5	13	2	2	2	2	2	24	4.8	4.8	4.8	4.8	4.8	24	4.80	4.80	4.80	4.80	4.80	17.60	17.60	17.1	17.1	24.6	18.8
23	1SV22AD024	HEENA KHANUM-	15	14	15	7.5	7.5	7	7	15	2	2	2	2	2	24	4.8	4.8	4.8	4.8	4.8	31	6.20	6.20	6.20	6.20	6.20	20.50	20.50	20.0	20.0	28.0	21.8
24	1SV22AD025	HEMASHREE M S	13	12	12	6.5	6.5	6	6	12	2	2	2	2	2	24	4.8	4.8	4.8	4.8	4.8	32	6.40	6.40	6.40	6.40	6.40	19.70	19.70	19.2	19.2	25.2	20.6
25	1SV22AD026	JAYAPRADA Y G-	12	11	12	6	6	5.5	5.5	12	2	2	2	2	2	25	5	5	5	5	5	39	7.80	7.80	7.80	7.80	7.80	20.80	20.80	20.3	20.3	26.8	21.8
26	1SV22AD027	KAVANA K	13	12	12	6.5	6.5	6	6	12	2	2	2	2	2	24	4.8	4.8	4.8	4.8	4.8	22	4.40	4.40	4.40	4.40	4.40	17.70	17.70	17.2	17.2	23.2	18.6
27	1SV22AD028	KAVYA N G	14	15	14	7	7	7.5	7.5	14	2	2	2	2	2	24	4.8	4.8	4.8	4.8	4.8	25	5.00	5.00	5.00	5.00	5.00	18.80	18.80	19.3	19.3	25.8	20.4
28	1SV22AD029	KIRANA S A	6	11	9	3	3	5.5	5.5	9	2	2	2	2	2	24	4.8	4.8	4.8	4.8	4.8	20	4.00	4.00	4.00	4.00	4.00	13.80	13.80	16.3	16.3	19.8	16.0
29	1SV22AD030	MAHALAKSHMI B S	11	10	11	5.5	5.5	5	5	11	2	2	2	2	2	23	4.6	4.6	4.6	4.6	4.6	36	7.20	7.20	7.20	7.20	7.20	19.30	19.30	18.8	18.8	24.8	20.2
30	1SV22AD031	MANJUNATH GODI	12	12	13	6	6	6	6	13	2	2	2	2	2	25	5	5	5	5	5	31	6.20	6.20	6.20	6.20	6.20	19.20	19.20	19.2	19.2	26.2	20.6
31	1SV22AD032	MANOJ N R	9	7	10	4.5	4.5	3.5	3.5	10	2	2	2	2	2	23	4.6	4.6	4.6	4.6	4.6	28	5.60	5.60	5.60	5.60	5.60	16.70	16.70	15.7	15.7	22.2	17.4
32	1SV22AD033	MITHUN P	7	2	11	3.5	3.5	1	1	11	2	2	2	2	2	22	4.4	4.4	4.4	4.4	4.4	6	1.20	1.20	1.20	1.20	1.20	11.10	11.10	8.6	8.6	18.6	11.6
33	1SV22AD034	MOHAMMED ZEESHAN	15	15	15	7.5	7.5	7.5	7.5	15	2	2	2	2	2	25	5	5	5	5	5	32	6.40	6.40	6.40	6.40	6.40	20.90	20.90	20.9	20.9	28.4	22.4
34	1SV22AD035	MONIKA R	13	11	13	6.5	6.5	5.5	5.5	13	2	2	2	2	2	24	4.8	4.8	4.8	4.8	4.8	20	4.00	4.00	4.00	4.00	4.00	17.30	17.30	16.3	16.3	23.8	18.2
35	1SV22AD036	MONIKA R	10	11	11	5	5	5.5	5.5	11	2	2	2	2	2	25	5	5	5	5	5	20	4.00	4.00	4.00	4.00	4.00	16.00	16.00	16.5	16.5	22.0	17.4
36	1SV22AD038	PRAVINYA T N	12	13	12	6	6	6.5	6.5	12	2	2	2	2	2	25	5	5	5	5	5	24	4.80	4.80	4.80	4.80	4.80	17.80	17.80	18.3	18.3	23.8	19.2
37	1SV22AD039	PREM KUMAR R-	13	10	13	6.5	6.5	5	5	13	2	2	2	2	2	24	4.8	4.8	4.8	4.8	4.8	22	4.40	4.40	4.40	4.40	4.40	17.70	17.70	16.2	16.2	24.2	18.4
39	1SV22AD041	RENUKA PRASAD B J	14	14	15	7	7	7	7	15	2	2	2	2	2	25	5	5	5	5	5	28	5.60	5.60	5.60	5.60	5.60	19.60	19.60	20.1	20.1	26.6	21.2
40	1SV22AD042	ROHIT KUMBAR	15	13	15	7.5	7.5	6.5	6.5	15	2	2	2	2	2	25	5	5	5	5	5	36	7.20	7.20	7.20	7.20	7.20	21.20	21.20	21.2	21.2	29.2	22.8
41	1SV22AD043	RUDRESH H T	10	12	13	5	5	6	6	13	2	2	2	2	2	23	4.6	4.6	4.6	4.6	4.6	32	6.40	6.40	6.40	6.40	6.40	20.90	20.90	19.9	19.9	28.4	22.0
42	1SV22AD044	RUKHAIYA JABEEN	14	12	14	7	7	6	6	14	2	2	2	2	2	25	5	5	5	5	5	36	7.20	7.20	7.20	7.20	7.20	18.80	18.80	19.8	19.8	26.8	20.8
43	1SV22AD045	S ABHIRAM	5	4	11	2.5	2.5	2	2	11	2	2	2	2	2	22	4.4	4.4	4.4	4.4	4.4	32	6.40	6.40	6.40	6.40	6.40	20.40	20.40	19.4	19.4	27.4	21.4
44	1SV22AD046	SANDYA S	13	9	13	6.5	6.5	4.5	4.5	13	2	2	2	2	2	24	4.8	4.8	4.8	4.8	4.8	12	2.40	2.40	2.40	2.40	2.40	11.30	11.30	10.8	10.8	19.8	12.8
45	1SV22AD047	SHARATH B N	13	6	11	6.5	6.5	3	3	11	2	2	2	2	2	23	4.6	4.6	4.6	4.6	4.6	33	6.60	6.60	6.60	6.60	6.60	19.90	19.90	17.9	17.9	26.4	20.4
																						22	4.40	4.40	4.40	4.40	4.40	17.50	17.50	14.0	14.0	22.0	17.0

| | | |

Department of Artificial Intelligence and Data Science

COURSE OUTCOME

CO 1. Explain the structure and functionality of operating system
CO 2. Apply appropriate CPU scheduling algorithms for the given problem.
CO 3. Analyse the various techniques for process synchronization and deadlock handling.
CO 4. Apply the various techniques for memory management
CO 5. Explain file and secondary storage management strategies.

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 forsustainable 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	MS. ALFIYA JAVEED				
BRANCH	AI&DS	ACADEMIC YEAR	2023-24		
COURSE	B.E	SEMESTER	III	SECTION	
SUBJECT	OPERATING SYSTEMS	SUBJECT CODE	BCS303		

CO & PO MAPPING

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	2	1	-	-	1	-	-	-	-	-	1	3	2	2
CO2	3	3	2	-	-	-	-	-	-	-	-	1	3	2	2
CO3	2	2	1	-	-	1	-	-	-	-	-	1	3	2	2
CO4	3	2	2	-	-	-	-	-	-	-	-	1	3	2	3
CO5	2	2	1	-	-	-	-	-	-	-	-	2	3	2	3
AVERAGE	2.6	2.2	1.4	-	-	0.5	-	-	-	-	-	1.2	3	2	2.4
OVERALL MAPPING OF SUBJECT												1.91			

CO - PO ATTAINMENT

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	56.41	1.69	1.12	0.56			0.56						0.56	1.69	1.12	1.12
CO2	56.41	1.69	1.69	1.12									0.56	1.69	1.12	1.12
CO3	62.33	1.24	1.24	0.62			0.62						0.62	1.86	1.24	1.24
CO4	62.33	1.86	1.24	1.24									0.62	1.86	1.24	1.86
CO5	61.48	1.22	1.22	0.61									1.22	1.84	1.22	1.84
AVERAGE			1.54	1.3	0.83			0.59						0.71	1.78	1.18
FINAL ATTAINMENT LEVEL													1.17			

PRINCIPAL
SIET. TUMKUR.

STAFF INCHARGE

HOD
Department of AI&DS
SIET Tumakuru

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

III SEM

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE 2023-24

BCS303 2023-24 ODD OS Faculty: Ms.ALFIYA JAVEED

USN	Name	T1	T2	T3	T1 CO1-10	T1 CO2-10	T2 C03-10	T2 CO4-10	T3 CO5-10	T3 CO6-10	ASS(10)	ASSIGNMENT 10/3 CO1-2	CO2-2	CO3-2	CO4-2	CO5-2	CO6-2	LAB	INTIGERATED LAB-20/5 CO1-4	CO2-4	CO3-4	CO4-4	CO5-4	CO6-4	SEE	SEE CO1-10	SEE CO2-10	SEE CO3-10	SEE CO4-10	SEE CO5-10	Final CO1-26	Final CO2-26	Final CO3-26	Final CO4-26	Final CO5-26	SS&CD TOTAL
1SV22AD001	ADAJ SADIK MULLA	9	13	12	4.5	4.5	6.5	6.5	6	6	10	1.666667	1.666667	1.666667	1.666667	1.666667	1.666667	24	4	4	4	4	4	4	24	4.00	4.00	4.00	4.00	4.00	14.17	14.17	16.2	16.2	15.7	15.3
1SV22AD002	AKSHATHA D K-	14	14	15	7	7	7	7	7.5	7.5	10	1.666667	1.666667	1.666667	1.666667	1.666667	1.666667	25	4.166667	4.166667	4.166667	4.166667	4.166667	4.166667	29	4.83	4.83	4.83	4.83	4.83	17.67	17.67	17.7	17.7	18.2	17.8
1SV22AD003	ALFIYA AMEEM	10	10	13	5	5	5	5	6.5	6.5	10	1.666667	1.666667	1.666667	1.666667	1.666667	1.666667	24	4	4	4	4	4	4	22	3.67	3.67	3.67	3.67	3.67	14.33	14.33	14.3	14.3	15.8	14.6
1SV22AD004	AMITH B R-	10	15	10	5	5	7.5	7.5	5	5	10	1.666667	1.666667	1.666667	1.666667	1.666667	1.666667	22	3.666667	3.666667	3.666667	3.666667	3.666667	3.666667	22	3.67	3.67	3.67	3.67	3.67	14.00	14.00	16.5	16.5	14.0	15.0
1SV22AD005	ANJAN B-	11	15	11	5.5	5.5	7.5	7.5	5.5	5.5	10	1.666667	1.666667	1.666667	1.666667	1.666667	1.666667	25	4.166667	4.166667	4.166667	4.166667	4.166667	4.166667	24	4.00	4.00	4.00	4.00	4.00	15.33	15.33	17.3	17.3	15.3	16.1
1SV22AD006	ANKIT VERMA	6	14	13	3	3	7	7	6.5	6.5	10	1.666667	1.666667	1.666667	1.666667	1.666667	1.666667	23	3.8333333	3.8333333	3.8333333	3.8333333	3.8333333	3.8333333	33	5.50	5.50	5.50	5.50	5.50	14.00	14.00	18.0	18.0	17.5	16.3
1SV22AD007	ARFA M H	14	15	14	7	7	7.5	7.5	7	7	10	1.666667	1.666667	1.666667	1.666667	1.666667	1.666667	25	4.166667	4.166667	4.166667	4.166667	4.166667	4.166667	22	3.67	3.67	3.67	3.67	3.67	16.50	16.50	17.0	17.0	16.5	16.7
1SV22AD009	ATHMIYA D M	3	15	8	1.5	1.5	7.5	7.5	4	4	10	1.666667	1.666667	1.666667	1.666667	1.666667	1.666667	23	3.8333333	3.8333333	3.8333333	3.8333333	3.8333333	3.8333333	34	5.67	5.67	5.67	5.67	5.67	12.67	12.67	18.7	18.7	15.2	15.6
1SV22AD010	BEERESH K S	2	11	9	1	1	5.5	5.5	4.5	4.5	10	1.666667	1.666667	1.666667	1.666667	1.666667	1.666667	23	3.8333333	3.8333333	3.8333333	3.8333333	3.8333333	3.8333333	4	0.67	0.67	0.67	0.67	0.67	7.17	7.17	11.7	11.7	10.7	9.7
1SV22AD011	BHAVYASHREE D C-	8	12	13	4	4	6	6	6.5	6.5	10	1.666667	1.666667	1.666667	1.666667	1.666667	1.666667	24	4	4	4	4	4	4	26	4.33	4.33	4.33	4.33	4.33	14.00	14.00	16.0	16.0	16.5	15.3
1SV22AD012	C RAHUL	9	13	11	4.5	4.5	6.5	6.5	5.5	5.5	10	1.666667	1.666667	1.666667	1.666667	1.666667	1.666667	24	4	4	4	4	4	4	12	2.00	2.00	2.00	2.00	2.00	12.17	12.17	14.2	14.2	13.2	13.2
1SV22AD013	CHANDANA D	14	14	15	7	7	7	7	7.5	7.5	10	1.666667	1.666667	1.666667	1.666667	1.666667	1.666667	25	4.166667	4.166667	4.166667	4.166667	4.166667	4.166667	35	5.83	5.83	5.83	5.83	5.83	18.67	18.67	18.7	18.7	19.2	18.8
1SV22AD014	CHANDANA D C	12	14	15	6	6	7	7	7.5	7.5	10	1.666667	1.666667	1.666667	1.666667	1.666667	1.666667	25	4.166667	4.166667	4.166667	4.166667	4.166667	4.166667	23	3.83	3.83	3.83	3.83	3.83	15.67	15.67	16.7	16.7	17.2	16.4
1SV22AD015	DEEPIKA K-	14	15	15	7	7	7.5	7.5	7.5	7.5	10	1.666667	1.666667	1.666667	1.666667	1.666667	1.666667	25	4.166667	4.166667	4.166667	4.166667	4.166667	4.166667	34	5.67	5.67	5.67	5.67	5.67	18.50	18.50	19.0	19.0	19.0	18.8
1SV22AD016	DEEPIKA M	12	14	12	6	6	7	7	6	6	10	1.666667	1.666667	1.666667	1.666667	1.666667	1.666667	23	3.8333333	3.8333333	3.8333333	3.8333333	3.8333333	3.8333333	26	4.33	4.33	4.33	4.33	4.33	15.83	15.83	16.8	16.8	15.8	16.2
1SV22AD017	DHIVYASHREE N	13	14	16	6.5	6.5	7	7	7.5	7.5	10	1.666667	1.666667	1.666667	1.666667	1.666667	1.666667	25	4.166667	4.166667	4.166667	4.166667	4.166667	4.166667	28	4.67	4.67	4.67	4.67	4.67	17.00	17.00	17.5	17.5	18.0	17.4
1SV22AD018	DIVAKAR N	7	9	9	3.5	3.5	4.5	4.5	4.5	4.5	10	1.666667	1.666667	1.666667	1.666667	1.666667	1.666667	22	3.666667	3.666667	3.666667	3.666667	3.666667	3.666667	9	1.50	1.50	1.50	1.50	1.50	10.33	10.33	11.3	11.3	11.3	10.9
1SV22AD019	FIRDOSE ARA-	14	14	10	7	7	7	7	5	5	10	1.666667	1.666667	1.666667	1.666667	1.666667	1.666667	25	4.166667	4.166667	4.166667	4.166667	4.166667	4.166667	43	7.17	7.17	7.17	7.17	7.17	20.00	20.00	20.0	20.0	18.0	19.6
1SV22AD020	GAGANA T R	6	14	12	3	3	7	7	6	6	10	1.666667	1.666667	1.666667	1.666667	1.666667	1.666667	25	4.166667	4.166667	4.166667	4.166667	4.166667	4.166667	28	4.67	4.67	4.67	4.67	4.67	13.50	13.50	17.5	17.5	16.5	15.7
1SV22AD021	**GOKUL S P-**	**11**	**13**	**15**	5.5	5.5	6.5	6.5	7.5	7.5	10	1.666667	1.666667	1.666667	1.666667	1.666667	1.666667	**24**	4	4	4	4	4	4	26	4.33	4.33	4.33	4.33	4.33	15.50	15.50	16.5	16.5	17.5	16.3
1SV22AD022	HARSHITHA S	8	13	14	4	4	6.5	6.5	7	7	10	1.666667	1.666667	1.666667	1.666667	1.666667	1.666667	25	4.166667	4.166667	4.166667	4.166667	4.166667	4.166667	24	4.00	4.00	4.00	4.00	4.00	13.83	13.83	16.3	16.3	16.8	15.4
1SV22AD023	HARSHITHA Y	6	9	14	3	3	4.5	4.5	7	7	10	1.666667	1.666667	1.666667	1.666667	1.666667	1.666667	24	4	4	4	4	4	4	30	5.00	5.00	5.00	5.00	5.00	13.67	13.67	15.2	15.2	17.7	15.1
1SV22AD024	HEENA KHANUM-	14	14	15	7	7	7	7	7.5	7.5	10	1.666667	1.666667	1.666667	1.666667	1.666667	1.666667	25	4.166667	4.166667	4.166667	4.166667	4.166667	4.166667	38	6.33	6.33	6.33	6.33	6.33	19.17	19.17	19.2	19.2	19.7	19.3
1SV22AD025	HEMASHREE M S	9	14	15	4.5	4.5	7	7	7.5	7.5	10	1.666667	1.666667	1.666667	1.666667	1.666667	1.666667	25	4.166667	4.166667	4.166667	4.166667	4.166667	4.166667	35	5.83	5.83	5.83	5.83	5.83	16.17	16.17	18.7	18.7	19.2	17.8
1SV22AD026	JAYAPRADA Y G-	8	15	10	4	4	7.5	7.5	5	5	10	1.666667	1.666667	1.666667	1.666667	1.666667	1.666667	24	4	4	4	4	4	4	37	6.17	6.17	6.17	6.17	6.17	15.83	15.83	19.3	19.3	16.8	17.4
1SV22AD027	KAVANA K	10	7	8	5	5	3.5	3.5	4	4	10	1.666667	1.666667	1.666667	1.666667	1.666667	1.666667	24	4	4	4	4	4	4	30	5.00	5.00	5.00	5.00	5.00	15.67	15.67	14.2	14.2	14.7	14.9
1SV22AD028	KAVYA N G	8	11	15	4	4	5.5	5.5	7.5	7.5	10	1.666667	1.666667	1.666667	1.666667	1.666667	1.666667	25	4.166667	4.166667	4.166667	4.166667	4.166667	4.166667	30	5.00	5.00	5.00	5.00	5.00	14.83	14.83	16.3	16.3	18.3	16.1
1SV22AD029	KIRANA S A	6	12	8	3	3	6	6	4	4	10	1.666667	1.666667	1.666667	1.666667	1.666667	1.666667	25	4.166667	4.166667	4.166667	4.166667	4.166667	4.166667	18	3.00	3.00	3.00	3.00	3.00	11.83	11.83	14.8	14.8	12.8	13.2
1SV22AD030	MAHALAKSHMI B S	10	14	12	5	5	7	7	6	6	10	1.666667	1.666667	1.666667	1.666667	1.666667	1.666667	23	3.8333333	3.8333333	3.8333333	3.8333333	3.8333333	3.8333333	26	4.33	4.33	4.33	4.33	4.33	14.83	14.83	16.8	16.8	15.8	15.8
1SV22AD031	MANJUNATH GODI	6	12	12	3	3	6	6	6	6	10	1.666667	1.666667	1.666667	1.666667	1.666667	1.666667	24	4	4	4	4	4	4	31	5.17	5.17	5.17	5.17	5.17	13.83	13.83	16.8	16.8	16.8	15.6
1SV22AD032	MANOJ N R	7	14	12	3.5	3.5	7	7	6	6	10	1.666667	1.666667	1.666667	1.666667	1.666667	1.666667	24	4	4	4	4	4	4	35	5.83	5.83	5.83	5.83	5.83	15.00	15.00	18.5	18.5	17.5	16.9
1SV22AD033	MITHUN P	3	15	9	1.5	1.5	7.5	7.5	4.5	4.5	10	1.666667	1.666667	1.666667	1.666667	1.666667	1.666667	22	3.666667	3.666667	3.666667	3.666667	3.666667	3.666667	9	1.50	1.50	1.50	1.50	1.50	8.33	8.33	14.3	14.3	11.3	11.3
1SV22AD034	MOHAMMED ZEESHAN	13	15	15	6.5	6.5	7.5	7.5	7.5	7.5	10	1.666667	1.666667	1.666667	1.666667	1.666667	1.666667	25	4.166667	4.166667	4.166667	4.166667	4.166667	4.166667	33	5.50	5.50	5.50	5.50	5.50	17.83	17.83	18.8	18.8	18.8	18.4
1SV22AD035	MONIKA R	7	13	15	3.5	3.5	6.5	6.5	7.5	7.5	10	1.666667	1.666667	1.666667	1.666667	1.666667	1.666667	24	4	4	4	4	4	4	19	3.17	3.17	3.17	3.17	3.17	12.33	12.33	15.3	15.3	16.3	14.3
1SV22AD036	MONIKA R	4	14	14	2	2	7	7	7	7	10	1.666667	1.666667	1.666667	1.666667	1.666667	1.666667	23	3.8333333	3.8333333	3.8333333	3.8333333	3.8333333	3.8333333	31	5.17	5.17	5.17	5.17	5.17	12.67	12.67	17.7	17.7	17.7	15.7
1SV22AD038	PRAVINYA T N	10	13	13	5	5	6.5	6.5	6.5	6.5	10	1.666667	1.666667	1.666667	1.666667	1.666667	1.666667	25	4.166667	4.166667	4.166667	4.166667	4.166667	4.166667	30	5.00	5.00	5.00	5.00	5.00	15.83	15.83	17.3	17.3	17.3	16.7
1SV22AD039	PREM KUMAR R-	5	12	12	2.5	2.5	6	6	6	6	10	1.666667	1.666667	1.666667	1.666667	1.666667	1.666667	22	3.666667	3.666667	3.666667	3.666667	3.666667	3.666667	18	3.00	3.00	3.00	3.00	3.00	10.83	10.83	14.3	14.3	14.3	12.9
1SV22AD040	RASHMI S R-	6	13	12	3	3	6.5	6.5	6	6	10	1.666667	1.666667	1.666667	1.666667	1.666667	1.666667	24	4	4	4	4	4	4	21	3.50	3.50	3.50	3.50	3.50	12.17	12.17	15.7	15.7	15.2	14.2
1SV22AD041	RENUKA PRASAD B J	13	15	15	6.5	6.5	7.5	7.5	7.5	7.5	10	1.666667	1.666667	1.666667	1.666667	1.666667	1.666667	25	4.166667	4.166667	4.166667	4.166667	4.166667	4.166667	27	4.50	4.50	4.50	4.50	4.50	16.83	16.83	17.8	17.8	17.8	17.4
1SV22AD042	ROHIT KUMBAR	8	12	15	4	4	6	6	7.5	7.5	10	1.666667	1.666667	1.666667	1.666667	1.666667	1.666667	25	4.166667	4.166667	4.166667	4.166667	4.166667	4.166667	31	5.17	5.17	5.17	5.17	5.17	15.00	15.00	17.0	17.0	18.5	16.5
1SV22AD043	RUDRESH H T	11	14	15	5.5	5.5	7	7	7.5	7.5	10	1.666667	1.666667	1.666667	1.666667	1.666667	1.666667	25	4.166667	4.166667	4.166667	4.166667	4.166667	4.166667	18	3.00	3.00	3.00	3.00	3.00	14.33	14.33	15.8	15.8	16.3	15.3
1SV22AD044	RUKHAIYA JABEEN	14	14	15	7	7	7	7	7.5	7.5	10	1.666667	1.666667	1.666667	1.666667	1.666667	1.666667	25	4.166667	4.166667	4.166667	4.166667	4.166667	4.166667	30	5.00	5.00	5.00	5.00	5.00	17.83	17.83	17.8	17.8	18.3	17.9
1SV22AD045	S ABHIRAM	9	6	14	4.5	4.5	3	3	7	7	10	1.666667	1.666667	1.666667	1.666667	1.666667	1.666667	23	3.8333333	3.8333333	3.8333333	3.8333333	3.8333333	3.8333333	18	3.00	3.00	3.00	3.00	3.00	13.00	13.00	11.5	11.5	15.5	12.9
1SV22AD046	SANDYA S	12	14	13	6	6	7	7	6.5	6.5	10	1.666667	1.666667	1.666667	1.666667	1.666667	1.666667	23	3.8333333	3.8333333	3.8333333	3.8333333	3.8333333	3.8333333	30	5.00	5.00	5.00	5.00	5.00	16.50	16.50	17.5	17.5	17.0	17.0
1SV22AD047	SHARATH B N	8	11	7	4	4	5.5	5.5	3.5	3.5	10	1.666667	1.666667	1.666667	1.666667	1.666667	1.666667	24	4	4	4	4	4	4	19	3.17	3.17	3.17	3.17	3.17	12.83	12.83	14.3	14.3	12.3	13.3
1SV22AD048	SHARATH K M-	8	14	15	4	4	7	7	7.5	7.5	10	1.666667	1.666667	1.666667	1.666667	1.666667	1.666667	25	4.166667	4.166667	4.166667	4.166667	4.166667	4.166667	23	3.83	3.83	3.83	3.83	3.83	13.67	13.67	16.7	16.7	17.2	15.6
1SV22AD049	SHIVANANDGOUD HANAMANTGOUD BHARAMAGOUDR	9	15	11	4.5	4.5	7.5	7.5	5.5	5.5	10	1.666667	1.666667	1.666667	1.666667	1.666667	1.666667	24	4	4	4	4	4	4	24	4.00	4.00	4.00	4.00	4.00	14.17	14.17	17.2	17.2	15.2	15.6
1SV22AD050	SHIYAM TANVEER K	8	8	10	4	4	4	4	5	5	10	1.666667	1.666667	1.666667	1.666667	1.666667	1.666667	20	3.3333333	3.3333333	3.3333333	3.3333333	3.3333333	3.3333333	13	2.17	2.17	2.17	2.17	2.17	11.17	11.17	11.2	11.2	12.2	11.4
1SV22AD051	SINCHANA D G-	13	15	15	6.5	6.5	7.5	7.5	7.5	7.5	10	1.666667	1.666667	1.666667	1.666667	1.666667	1.666667	24	4	4	4	4	4	4	34	5.67	5.67	5.67	5.67	5.67	17.83	17.83	18.8	18.8	18.8	18.4
1SV22AD052	SINDU P	13	15	15	6.5	6.5	7.5	7.5	7.5	7.5	10	1.666667	1.666667	1.666667	1.666667	1.666667	1.666667	25	4.166667	4.166667	4.166667	4.166667	4.166667	4.166667	30	5.00	5.00	5.00	5.00	5.00	17.33	17.33	18.3	18.3	18.3	17.9

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Sri Shridevi Charitable Trust (R.)
SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY
Sira Road, Tumkur - 572 106, Karnataka, India.
Phone: 0816 - 2212629 | Principal: 0816 - 2212627, 9686114899 | Telefax: 0816 - 2212628
Email: info@shrideviengineering.org, principal@shrideviengineering.org | Website: www.shrideviengineering.org
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Department of Artificial Intelligence and Data Science

COURSE OUTCOME

CO 1. Explain different data structures and their applications.
CO 2. Apply Arrays, Stacks and Queue data structures to solve the given problems.
CO 3. Use the concept of linked list in problem solving.
CO 4. Develop solutions using trees and graphs to model the real-world problem.
CO 5. Explain the advanced Data Structures concepts such as Hashing Techniques and Optimal Binary Search Trees.

PROGRAM OUTCOMES

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

COLLEGE	SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY				
FACULTY NAME	Mrs. MONIKA M				
BRANCH	AI & DS	ACADEMIC YEAR	2023-24		
COURSE	B.E	SEMESTER	III	SECTION	-
SUBJECT	DATA STRUCTURES AND APPLICATIONS	SUBJECT CODE	BCS304		

CO & PO MAPPING

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	2	-	3									2	2	1	1
CO2	2		3	2								2	2	1	1
CO3	3		2									2	2	1	1
CO4	3		2									2	2	1	1
CO5	3		2									2	1	1	1
AVERAGE	2.6		2.4	2								2	1.8	1	2.6
OVERALL MAPPING OF SUBJECT												1.96			

CO - PO ATTAINMENT

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	62	1.24		1.86									1.24	1.24	0.62	0.62
CO2	54	1.08		1.62	1.08								1.08	1.08	0.54	0.54
CO3	51	1.53		1.02									1.02	1.02	0.51	0.51
CO4	46	1.38		0.92									0.92	0.92	0.46	0.46
CO5	46	1.38		0.92									0.92	0.46	0.46	0.46
AVERAGE		1.32		1.27	1.08								1.04	0.94	0.52	1.32
FINAL ATTAINMENT LEVEL													1.03			

STAFF INCHARGE

PRINCIPAL
SIET. TUMKUR.

HOD

Sri Shridevi Charitable Trust (R.)
SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY
Sira Road, Tumkur - 572 106, Karnataka, India.
Phone: 0816 - 2212629 | Principal: 0816 - 2212627, 9886114899 | Telefax: 0816 - 2212628
Email: info@shridevienggineering.org, principal@shridevienggineering.org | Website: www.shridevienggineering.org
(Approved by AICTE, New Delhi. Recognised by Govt. of Karnataka and Affiliated to Visvesvaraya Technological University, Belagavi)
ESTD:2002

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE 2023-24

III SEM

			BCS304		2023-24 ODD				DSA		MRS MONIKA M																			
						T1		T2		T3	ASSIGNMENT 10/3							QIIZ-20/5						SEE						Final		SS&CD	
oll No	USN	Name	T1	T2	T3	CO1-10	CO2-10	CO3-10	CO4-10	CO5-20	CO1-2	CO2-2	CO3-2	CO4-2	CO5-2	QUIZ MA	CO1-4	CO2-4	CO3-4	CO4-4	CO5-4	SEE	CO1-10	CO2-10	CO3-10	CO4-10	CO5-10	CO1-26	CO2-26	CO3-26	CO4-26	CO5-36	TOTAL
1	1SV22AD001	AIJAJ SADIK MULLA	16	17	18	8	8	8.5	8.5	18	2	2	2	2	2	17	3.4	3.4	3.4	3.4	3.4	40	8.00	8.00	8.00	8.00	8.00	21.40	21.40	21.9	21.9	31.4	23.6
2	1SV22AD002	AKSHATHA D K-	6	7	13	3	3	3.5	3.5	13	2	2	2	2	2	9	1.8	1.8	1.8	1.8	1.8	31	6.20	6.20	6.20	6.20	6.20	13.00	13.00	13.5	13.5	23.0	15.2
3	1SV22AD003	ALFIYA AMEEM	11	17	11	5.5	5.5	8.5	8.5	11	2	2	2	2	2	13	2.6	2.6	2.6	2.6	2.6	22	4.40	4.40	4.40	4.40	4.40	14.50	14.50	17.5	17.5	20.0	16.8
4	1SV22AD004	AMITH B R-	15	2	11	7.5	7.5	1	1	11	2	2	2	2	2	10	2	2	2	2	2	18	3.60	3.60	3.60	3.60	3.60	15.10	15.10	8.6	8.6	18.6	13.2
5	1SV22AD005	ANJAN B-	20	20	15	10	10	10	10	15	2	2	2	2	2	20	4	4	4	4	4	27	5.40	5.40	5.40	5.40	5.40	21.40	21.40	21.4	21.4	26.4	22.4
6	1SV22AD006	ANKIT VERMA	13	8	14	6.5	6.5	4	4	14	2	2	2	2	2	12	2.4	2.4	2.4	2.4	2.4	18	3.60	3.60	3.60	3.60	3.60	14.50	14.50	12.0	12.0	22.0	15.0
7	1SV22AD007	ARFA M H	20	16	17	10	10	8	8	17	2	2	2	2	2	16	3.2	3.2	3.2	3.2	3.2	27	5.40	5.40	5.40	5.40	5.40	20.60	20.60	18.6	18.6	27.6	21.2
8	1SV22AD009	ATHMIYA D M	0	8	11	0	0	4	4	11	2	2	2	2	2	10	2	2	2	2	2	18	3.60	3.60	3.60	3.60	3.60	7.60	7.60	11.6	11.6	18.6	11.4
9	1SV22AD010	BEERESH K S	12	7	7	6	6	3.5	3.5	7	2	2	2	2	2	9	1.8	1.8	1.8	1.8	1.8	20	4.00	4.00	4.00	4.00	4.00	13.80	13.80	11.3	11.3	14.8	13.0
10	1SV22AD011	BHAVYASHREE D C-	15	16	12	7.5	7.5	8	8	12	2	2	2	2	2	15	3	3	3	3	3	36	7.20	7.20	7.20	7.20	7.20	19.70	19.70	20.2	20.2	24.2	20.8
11	1SV22AD012	C RAHUL	13	6	12	6.5	6.5	3	3	12	2	2	2	2	2	11	2.2	2.2	2.2	2.2	2.2	9	1.80	1.80	1.80	1.80	1.80	12.50	12.50	9.0	9.0	18.0	12.2
12	1SV22AD013	CHANDANA D	12	19	19	6	6	9.5	9.5	19	2	2	2	2	2	17	3.4	3.4	3.4	3.4	3.4	30	6.00	6.00	6.00	6.00	6.00	17.40	17.40	20.9	20.9	30.4	21.4
13	1SV22AD014	CHANDANA D C	14	13	16	7	7	6.5	6.5	16	2	2	2	2	2	15	3	3	3	3	3	20	4.00	4.00	4.00	4.00	4.00	16.00	16.00	15.5	15.5	25.0	17.6
14	1SV22AD015	DEEPIKA K-	18	19	18	9	9	9.5	9.5	18	2	2	2	2	2	19	3.8	3.8	3.8	3.8	3.8	30	6.00	6.00	6.00	6.00	6.00	20.80	20.80	21.3	21.3	29.8	22.8
15	1SV22AD016	DEEPIKA M	9	8	13	4.5	4.5	4	4	13	2	2	2	2	2	10	2	2	2	2	2	19	3.80	3.80	3.80	3.80	3.80	12.30	12.30	11.8	11.8	20.8	13.8
16	1SV22AD017	DHIVYASHREE N	15	8	16	7.5	7.5	4	4	16	2	2	2	2	2	13	2.6	2.6	2.6	2.6	2.6	25	5.00	5.00	5.00	5.00	5.00	17.10	17.10	13.6	13.6	25.6	17.4
17	1SV22AD018	DIVAKAR N	14	12	12	7	7	6	6	12	2	2	2	2	2	13	2.6	2.6	2.6	2.6	2.6	14	2.80	2.80	2.80	2.80	2.80	14.40	14.40	13.4	13.4	19.4	15.0
18	1SV22AD019	FIRDOSE ARA-	19	16	15	9.5	9.5	8	8	15	2	2	2	2	2	13	2.6	2.6	2.6	2.6	2.6	24	4.80	4.80	4.80	4.80	4.80	19.70	19.70	18.2	18.2	25.2	20.2
19	1SV22AD020	GAGANA T R	8	9	12	4	4	4.5	4.5	12	2	2	2	2	2	17	3.4	3.4	3.4	3.4	3.4	28	5.60	5.60	5.60	5.60	5.60	13.60	13.60	14.1	14.1	21.6	15.4
20	1SV22AD021	GOKUL S P-	12	13	16	6	6	6.5	6.5	16	2	2	2	2	2	10	2	2	2	2	2	43	8.60	8.60	8.60	8.60	8.60	19.40	19.40	19.9	19.9	29.4	21.6
21	1SV22AD022	HARSHITHA S	12	12	15	6	6	6	6	15	2	2	2	2	2	14	2.8	2.8	2.8	2.8	2.8	24	4.80	4.80	4.80	4.80	4.80	15.40	15.40	15.4	15.4	24.4	17.2
22	1SV22AD023	HARSHITHA Y	14	14	19	7	7	7	7	19	2	2	2	2	2	13	2.6	2.6	2.6	2.6	2.6	30	6.00	6.00	6.00	6.00	6.00	18.20	18.20	18.2	18.2	30.2	20.6
23	1SV22AD024	HEENA KHANUM-	18	14	14	9	9	7	7	14	2	2	2	2	2	16	3.2	3.2	3.2	3.2	3.2	34	6.80	6.80	6.80	6.80	6.80	21.00	21.00	19.0	19.0	26.0	21.2
24	1SV22AD025	HEMASHREE M S	9	13	16	4.5	4.5	6.5	6.5	16	2	2	2	2	2	16	3.2	3.2	3.2	3.2	3.2	24	4.80	4.80	4.80	4.80	4.80	13.90	13.90	15.9	15.9	25.4	17.0
25	1SV22AD026	JAYAPRADA Y G-	9	13	13	4.5	4.5	6.5	6.5	13	2	2	2	2	2	13	2.6	2.6	2.6	2.6	2.6	32	6.40	6.40	6.40	6.40	6.40	15.30	15.30	17.3	17.3	23.8	17,8
26	1SV22AD027	KAVANA K	12	14	17	6	6	7	7	17	2	2	2	2	2	12	2.4	2.4	2.4	2.4	2.4	29	5.80	5.80	5.80	5.80	5.80	16.80	16.80	17.8	17.8	27.8	19.4
27	1SV22AD028	KAVYA N G	12	11	14	6	6	5.5	5.5	14	2	2	2	2	2	15	3	3	3	3	3	25	5.00	5.00	5.00	5.00	5.00	15.60	15.60	15.1	15.1	23.6	17.0
28	1SV22AD029	KIRANA S A	4	8	15	2	2	4	4	15	2	2	2	2	2	13	2.6	2.6	2.6	2.6	2.6	19	3.80	3.80	3.80	3.80	3.80	9.60	9.60	11.6	11.6	22.6	13.0
29	1SV22AD030	MAHALAKSHMI B S	7	10	7	3.5	3.5	5	5	7	2	2	2	2	2	9	1.8	1.8	1.8	1.8	1.8	29	5.80	5.80	5.80	5.80	5.80	12.90	12.90	14.4	14.4	16.4	14.2
30	1SV22AD031	MANJUNATH GODI	16	8	12	8	8	4	4	12	2	2	2	2	2	12	2.4	2.4	2.4	2.4	2.4	27	5.40	5.40	5.40	5.40	5.40	17.80	17.80	13.8	13.8	21.8	17.0
31	1SV22AD032	MANOJ N R	6	6	15	3	3	3	3	15	2	2	2	2	2	9	1.8	1.8	1.8	1.8	1.8	25	5.00	5.00	5.00	5.00	5.00	11.80	11.80	11.8	11.8	23.8	14.2
32	1SV22AD033	MITHUN P	5	4	10	2.5	2.5	2	2	10	2	2	2	2	2	7	1.4	1.4	1.4	1.4	1.4	18	3.60	3.60	3.60	3.60	3.60	9.50	9.50	9.0	9.0	17.0	10.8
33	1SV22AD034	MOHAMMED ZEESHAN	15	19	19	7.5	7.5	9.5	9.5	19	2	2	2	2	2	18	3.6	3.6	3.6	3.6	3.6	30	6.00	6.00	6.00	6.00	6.00	19.10	19.10	21.1	21.1	30.6	22.2
34	1SV22AD035	MONIKA R	12	7	17	6	6	3.5	3.5	17	2	2	2	2	2	12	2.4	2.4	2.4	2.4	2.4	20	4.00	4.00	4.00	4.00	4.00	14.40	14.40	11.9	11.9	25.4	15.6
35	1SV22AD036	MONIKA R	12	11	13	6	6	5.5	5.5	13	2	2	2	2	2	12	2.4	2.4	2.4	2.4	2.4	36	7.20	7.20	7.20	7.20	7.20	17.60	17.60	17.1	17.1	24.6	18.8
36	1SV22AD038	PRAVINYA T N	15	15	15	7.5	7.5	7.5	7.5	15	2	2	2	2	2	15	3	3	3	3	3	18	3.60	3.60	3.60	3.60	3.60	16.10	16.10	16.1	16.1	23.6	17.6
37	1SV22AD039	PREM KUMAR R-	10	13	15	5	5	6.5	6.5	15	2	2	2	2	2	13	2.6	2.6	2.6	2.6	2.6	18	3.60	3.60	3.60	3.60	3.60	13.20	13.20	14.7	14.7	23.2	15.8
38	1SV22AD040	RASHMI S R-	15	14	19	7.5	7.5	7	7	19	2	2	2	2	2	16	3.2	3.2	3.2	3.2	3.2	23	4.60	4.60	4.60	4.60	4.60	17.30	17.30	16.8	16.8	28.8	19.4
39	1SV22AD041	RENUKA PRASAD B J	14	14	20	7	7	7	7	20	2	2	2	2	2	16	3.2	3.2	3.2	3.2	3.2	27	5.40	5.40	5.40	5.40	5.40	17.60	17.60	17.6	17.6	30.6	20.2
40	1SV22AD042	ROHIT KUMBAR	17	19	19	8.5	8.5	9.5	9.5	19	2	2	2	2	2	19	3.8	3.8	3.8	3.8	3.8	38	7.60	7.60	7.60	7.60	7.60	21.90	21.90	22.9	22.9	32.4	24.4
41	1SV22AD043	RUDRESH H T	14	9	19	7	7	4.5	4.5	19	2	2	2	2	2	14	2.8	2.8	2.8	2.8	2.8	33	6.60	6.60	6.60	6.60	6.60	18.40	18.40	15.9	15.9	30.4	19.8
42	1SV22AD044	RUKHAIYA JABEEN	11	15	19	5.5	5.5	7.5	7.5	19	2	2	2	2	2	15	3	3	3	3	3	29	5.80	5.80	5.80	5.80	5.80	16.30	16.30	18.3	18.3	29.8	19.8
43	1SV22AD045	S ABHIRAM	10	4	10	5	5	2	2	10	2	2	2	2	2	8	1.6	1.6	1.6	1.6	1.6	12	2.40	2.40	2.40	2.40	2.40	11.00	11.00	8.0	8.0	16.0	10.8
44	1SV22AD046	SANDYA S	18	11	16	9	9	5.5	5.5	16	2	2	2	2	2	15	3	3	3	3	3	27	5.40	5.40	5.40	5.40	5.40	19.40	19.40	15.9	15.9	26.4	19.4

| | | |

Sri Shridevi Charitable Trust (R.)
SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY
Sira Road, Tumkur - 572 106, Karnataka, India.
Phone: 0816 - 2212629 | Principal: 0816 - 2212627, 9686114899 | Telefax: 0816 - 2212628
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)

Department of Artificial Intelligence and Data Science

COURSE OUTCOME

CO1. Describe the structure of R programming.
CO2. The basic of data preparation with real world examples.
CO3. Apply the graphical packages of R for visualisation.
CO4.Apply various statistical analysis methods for data analytics..

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 forsustainable development.
PO8 Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
PO9 Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
PO10 Communication: Communicate effectively on complex engineering activities with the engineering community and with the society.
PO11 Project management and finance: An ability to use the modern engineering tools, techniques, skills and management principles to do work as a member and leader in a team, to manage projects in multidisciplinary environments.
PO12 Life-long learning: A recognition of the need for, and an ability to engage in, to resolve contemporary issues and acquire lifelong learning.

COLLEGE	SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY				
FACULTY NAME	DR. GIRISH L				
BRANCH	AI&DS	ACADEMIC YEAR	2023-24		
COURSE	B.E	SEMESTER	III	SECTION	-
SUBJECT	DATA ANALYTICS WITH R		SUBJECT CODE	BDS306C	

CO & PO MAPPING

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3		2		3		2								3
CO2	3	2	2		3										3
CO3	3	2		2											2
CO4	3							2							3
AVERAGE	3	2	2	2	3		2	2							2.75
OVERALL MAPPING OF SUBJECT												2.34			

CO - PO ATTAINMENT

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO
CO1	84.01	2.52		1.68		2.52		1.68								2.5
CO2	84.01	2.52	1.68	1.68		2.52										2.5
CO3	99.08	2.97	1.98		1.98											1.9
CO4	103.39	3.1							2.06							3.
AVERAGE		2.51	2.77	1.83	1.68	1.98	2.52		1.68	2.06						
FINAL ATTAINMENT LEVEL													2.02			

STAFF INCHARGE

PRINCIPAL
SIET. TUMKUR

HOD

Sri Shridevi Charitable Trust (R.)
SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY
Sira Road, Tumkur - 572 106, Karnataka, India.
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ESTD: 2002

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE 2023-24

III SEM

BDS306C 2023-24 ODD R FACULTY : DR Girish L

Roll No	USN	Name	T1	T2	T3	CO1-10	CO2-10	CO3-10	CO4-10	ASS(10)	CO1-2	CO2-2	CO3-2	CO4-2	LAB	CO1-4	CO2-4	CO3-4	CO4-4	SEE	CO1-10	CO2-10	CO3-10	CO4-10	CO1-26	CO2-26	CO3-26	CO4-26	TOTAL
1	1SV22AD001	AIJAJ SADIK MULLA	15	15	15	7.5	7.5	15	15	10	2.5	2.5	2.5	2.5	24	6	6	6	6	32	8.00	8.00	8.00	8.00	24.00	24.00	31.5	31.5	27.8
2	1SV22AD002	AKSHATHA D K-	15	15	15	7.5	7.5	15	15	10	2.5	2.5	2.5	2.5	25	6.25	6.25	6.25	6.25	28	7.00	7.00	7.00	7.00	23.25	23.25	30.8	30.8	27.0
3	1SV22AD003	ALFIYA AMEEM	15	5	13	7.5	7.5	5	13	10	2.5	2.5	2.5	2.5	25	6.25	6.25	6.25	6.25	18	4.50	4.50	4.50	4.50	20.75	20.75	18.3	26.3	21.5
4	1SV22AD004	AMITH B R-	15	2	8	7.5	7.5	2	8	10	2.5	2.5	2.5	2.5	23	5.75	5.75	5.75	5.75	22	5.50	5.50	5.50	5.50	21.25	21.25	15.8	21.8	20.0
5	1SV22AD005	ANJAN B-	14	14	15	7	7	14	15	10	2.5	2.5	2.5	2.5	25	6.25	6.25	6.25	6.25	26	6.50	6.50	6.50	6.50	22.25	22.25	29.3	30.3	26.0
6	1SV22AD006	ANKIT VERMA	13	11	7	6.5	6.5	11	7	10	2.5	2.5	2.5	2.5	25	6.25	6.25	6.25	6.25	28	7.00	7.00	7.00	7.00	22.25	22.25	26.8	22.8	23.5
7	1SV22AD007	ARFA M H	15	14	12	7.5	7.5	14	12	10	2.5	2.5	2.5	2.5	24	6	6	6	6	29	7.25	7.25	7.25	7.25	23.25	23.25	29.8	27.8	26.0
8	1SV22AD009	ATHMIYA D M	9	11	10	4.5	4.5	11	10	10	2.5	2.5	2.5	2.5	25	6.25	6.25	6.25	6.25	27	6.75	6.75	6.75	6.75	20.00	20.00	26.5	25.5	23.0
9	1SV22AD010	BEERESH K S	6	9	9	3	3	9	9	10	2.5	2.5	2.5	2.5	15	3.75	3.75	3.75	3.75	30	7.50	7.50	7.50	7.50	16.75	16.75	22.8	22.8	19.8
10	1SV22AD011	BHAVYASHREE D C-	14	12	12	7	7	12	12	10	2.5	2.5	2.5	2.5	25	6.25	6.25	6.25	6.25	37	9.25	9.25	9.25	9.25	25.00	25.00	30.0	30.0	27.5
11	1SV22AD012	C RAHUL	8	4	9	4	4	4	9	10	2.5	2.5	2.5	2.5	24	6	6	6	6	47	11.75	11.75	11.75	11.75	24.25	24.25	24.3	29.3	25.5
12	1SV22AD013	CHANDANA D	15	12	12	7.5	7.5	12	12	10	2.5	2.5	2.5	2.5	25	6.25	6.25	6.25	6.25	29	7.25	7.25	7.25	7.25	23.50	23.50	28.0	28.0	25.8
13	1SV22AD014	CHANDANA D C	14	14	15	7	7	14	15	10	2.5	2.5	2.5	2.5	25	6.25	6.25	6.25	6.25	26	6.50	6.50	6.50	6.50	22.25	22.25	29.3	30.3	26.0
14	1SV22AD015	DEEPIKA K-	15	15	15	7.5	7.5	15	15	10	2.5	2.5	2.5	2.5	25	6.25	6.25	6.25	6.25	34	8.50	8.50	8.50	8.50	24.75	24.75	32.3	32.3	28.5
15	1SV22AD016	DEEPIKA M	14	9	10	7	7	9	10	10	2.5	2.5	2.5	2.5	25	6.25	6.25	6.25	6.25	27	6.75	6.75	6.75	6.75	22.50	22.50	24.5	25.5	23.8
16	1SV22AD017	DHIVYASHREE N	15	9	13	7.5	7.5	9	13	10	2.5	2.5	2.5	2.5	25	6.25	6.25	6.25	6.25	19	4.75	4.75	4.75	4.75	21.00	21.00	22.5	26.5	22.8
17	1SV22AD018	DIVAKAR N	8	12	9	4	4	12	9	10	2.5	2.5	2.5	2.5	24	6	6	6	6	20	5.00	5.00	5.00	5.00	17.50	17.50	25.5	22.5	20.8
18	1SV22AD019	FIRDOSE ARA-	15	13	15	7.5	7.5	13	15	10	2.5	2.5	2.5	2.5	25	6.25	6.25	6.25	6.25	37	9.25	9.25	9.25	9.25	25.50	25.50	31.0	33.0	28.8
19	1SV22AD020	GAGANA T R	10	12	10	5	5	12	10	10	2.5	2.5	2.5	2.5	25	6.25	6.25	6.25	6.25	28	7.00	7.00	7.00	7.00	20.75	20.75	27.8	25.8	23.8
20	1SV22AD021	GOKUL S P-	12	5	11	6	6	5	11	10	2.5	2.5	2.5	2.5	25	6.25	6.25	6.25	6.25	38	9.50	9.50	9.50	9.50	24.25	24.25	23.3	29.3	25.3
21	1SV22AD022	HARSHITHA S	14	12	13	7	7	12	13	10	2.5	2.5	2.5	2.5	25	6.25	6.25	6.25	6.25	48	12.00	12.00	12.00	12.00	27.75	27.75	32.8	33.8	30.5
22	1SV22AD023	HARSHITHA Y	15	12	8	7.5	7.5	12	8	10	2.5	2.5	2.5	2.5	23	5.75	5.75	5.75	5.75	29	7.25	7.25	7.25	7.25	23.00	23.00	27.5	23.5	24.3
23	1SV22AD024	HEENA KHANUM-	15	15	15	7.5	7.5	15	15	10	2.5	2.5	2.5	2.5	25	6.25	6.25	6.25	6.25	28	7.00	7.00	7.00	7.00	23.25	23.25	30.8	30.8	27.0
24	1SV22AD025	HEMASHREE M S	13	14	14	6.5	6.5	14	14	10	2.5	2.5	2.5	2.5	25	6.25	6.25	6.25	6.25	48	12.00	12.00	12.00	12.00	27.25	27.25	34.8	34.8	31.0
25	1SV22AD026	JAYAPRADA Y G-	15	11	13	7.5	7.5	11	13	10	2.5	2.5	2.5	2.5	25	6.25	6.25	6.25	6.25	23	5.75	5.75	5.75	5.75	22.00	22.00	25.5	27.5	24.3
26	1SV22AD027	KAVANA K	15	11	8	7.5	7.5	11	8	10	2.5	2.5	2.5	2.5	25	6.25	6.25	6.25	6.25	30	7.50	7.50	7.50	7.50	23.75	23.75	27.3	24.3	24.8
27	1SV22AD028	KAVYA N G	15	15	14	7.5	7.5	15	14	10	2.5	2.5	2.5	2.5	25	6.25	6.25	6.25	6.25	49	12.25	12.25	12.25	12.25	28.50	28.50	36.0	35.0	32.0
28	1SV22AD029	KIRANA S A	9	10	10	4.5	4.5	10	10	10	2.5	2.5	2.5	2.5	25	6.25	6.25	6.25	6.25	18	4.50	4.50	4.50	4.50	17.75	17.75	23.3	23.3	20.5
29	1SV22AD030	MAHALAKSHMI B S	14	6	9	7	7	6	9	10	2.5	2.5	2.5	2.5	25	6.25	6.25	6.25	6.25	30	7.50	7.50	7.50	7.50	23.25	23.25	22.3	25.3	23.5
30	1SV22AD031	MANJUNATH GODI	15	8	10	7.5	7.5	8	10	10	2.5	2.5	2.5	2.5	25	6.25	6.25	6.25	6.25	24	6.00	6.00	6.00	6.00	22.25	22.25	22.8	24.8	23.0
31	1SV22AD032	MANOJ N R	13	12	11	6.5	6.5	12	11	10	2.5	2.5	2.5	2.5	25	6.25	6.25	6.25	6.25	32	8.00	8.00	8.00	8.00	23.25	23.25	28.8	27.8	25.8
32	1SV22AD033	MITHUN P	5	4	10	2.5	2.5	4	10	10	2.5	2.5	2.5	2.5	23	5.75	5.75	5.75	5.75	25	6.25	6.25	6.25	6.25	17.00	17.00	18.5	24.5	19.3
33	1SV22AD034	MOHAMMED ZEESHAN	15	13	15	7.5	7.5	13	15	10	2.5	2.5	2.5	2.5	25	6.25	6.25	6.25	6.25	32	8.00	8.00	8.00	8.00	24.25	24.25	29.8	31.8	27.5
34	1SV22AD035	MONIKA R	14	11	10	7	7	11	10	10	2.5	2.5	2.5	2.5	25	6.25	6.25	6.25	6.25	29	7.25	7.25	7.25	7.25	23.00	23.00	27.0	26.0	24.8
35	1SV22AD036	MONIKA R	14	11	11	7	7	11	11	10	2.5	2.5	2.5	2.5	25	6.25	6.25	6.25	6.25	25	6.25	6.25	6.25	6.25	22.00	22.00	26.0	26.0	24.0
36	1SV22AD038	PRAVINYA T N	12	12	9	6	6	12	9	10	2.5	2.5	2.5	2.5	25	6.25	6.25	6.25	6.25	30	7.50	7.50	7.50	7.50	22.25	22.25	28.3	25.3	24.5
37	1SV22AD039	PREM KUMAR R-	8	8	12	4	4	8	12	10	2.5	2.5	2.5	2.5	25	6.25	6.25	6.25	6.25	31	7.75	7.75	7.75	7.75	20.50	20.50	24.5	28.5	23.5
38	1SV22AD040	RASHMI S R-	14	13	13	7	7	13	13	10	2.5	2.5	2.5	2.5	25	6.25	6.25	6.25	6.25	32	8.00	8.00	8.00	8.00	23.75	23.75	29.8	29.8	26.8
39	1SV22AD041	RENUKA PRASAD B J	15	14	14	7.5	7.5	14	14	10	2.5	2.5	2.5	2.5	25	6.25	6.25	6.25	6.25	35	8.75	8.75	8.75	8.75	25.00	25.00	31.5	31.5	28.3

40	1SV22AD042	ROHIT KUMBAR	15	13	14	7.5	7.5	13	14	10	2.5	2.5	2.5	2.5	25	6.25	6.25	6.25	6.25	32	8.00	8.00	8.00	8.00	24.25	24.25	29.8	30.8	27.3
41	1SV22AD043	RUDRESH H T	15	14	14	7.5	7.5	14	14	10	2.5	2.5	2.5	2.5	23	5.75	5.75	5.75	5.75	48	12.00	12.00	12.00	12.00	27.75	27.75	34.3	34.3	31.0
42	1SV22AD044	RUKHAIYA JABEEN	13	11	13	6.5	6.5	11	13	10	2.5	2.5	2.5	2.5	25	6.25	6.25	6.25	6.25	32	8.00	8.00	8.00	8.00	23.25	23.25	27.8	29.8	26.0
43	1SV22AD045	S ABHIRAM	9	3	11	4.5	4.5	3	11	10	2.5	2.5	2.5	2.5	25	6.25	6.25	6.25	6.25	10	2.50	2.50	2.50	2.50	15.75	15.75	14.3	22.3	17.0
44	1SV22AD046	SANDYA S	8	10	10	4	4	10	10	10	2.5	2.5	2.5	2.5	25	6.25	6.25	6.25	6.25	26	6.50	6.50	6.50	6.50	19.25	19.25	25.3	25.3	22.3
45	1SV22AD047	SHARATH B N	8	5	9	4	4	5	9	10	2.5	2.5	2.5	2.5	15	3.75	3.75	3.75	3.75	24	6.00	6.00	6.00	6.00	16.25	16.25	17.3	21.3	17.8
46	1SV22AD048	SHARATH K M-	15	12	10	7.5	7.5	12	10	10	2.5	2.5	2.5	2.5	25	6.25	6.25	6.25	6.25	31	7.75	7.75	7.75	7.75	24.00	24.00	28.5	26.5	25.8
47	1SV22AD049	SHIVANANDGOUD HANAMANTGOUD BHARAMAGOUDR	9	3	10	4.5	4.5	3	10	10	2.5	2.5	2.5	2.5	15	3.75	3.75	3.75	3.75	23	5.75	5.75	5.75	5.75	16.50	16.50	15.0	22.0	17.5
48	1SV22AD050	SHIYAM TANVEER K	10	5	9	5	5	5	9	10	2.5	2.5	2.5	2.5	23	5.75	5.75	5.75	5.75	2	0.50	0.50	0.50	0.50	13.75	13.75	13.8	17.8	14.8
49	1SV22AD051	SINCHANA D G-	15	14	14	7.5	7.5	14	14	10	2.5	2.5	2.5	2.5	25	6.25	6.25	6.25	6.25	34	8.50	8.50	8.50	8.50	24.75	24.75	31.3	31.3	28.0
50	1SV22AD052	SINDU P	15	15	14	7.5	7.5	15	14	10	2.5	2.5	2.5	2.5	25	6.25	6.25	6.25	6.25	27	6.75	6.75	6.75	6.75	23.00	23.00	30.5	29.5	26.5
51	1SV22AD053	SPOORTI APPASAHEB PATIL-	14	12	12	7	7	12	12	10	2.5	2.5	2.5	2.5	25	6.25	6.25	6.25	6.25	27	6.75	6.75	6.75	6.75	22.50	22.50	27.5	27.5	25.0
52	1SV22AD054	SRIKANTASHASTRI	10	7	8	5	5	7	8	10	2.5	2.5	2.5	2.5	24	6	6	6	6	27	6.75	6.75	6.75	6.75	20.25	20.25	22.3	23.3	21.5
53	1SV22AD055	TEJASWINI N KUMBAR-	15	6	9	7.5	7.5	6	9	10	2.5	2.5	2.5	2.5	25	6.25	6.25	6.25	6.25	18	4.50	4.50	4.50	4.50	20.75	20.75	19.3	22.3	20.8
54	1SV22AD056	THULASI P	15	14	14	7.5	7.5	14	14	10	2.5	2.5	2.5	2.5	24	6	6	6	6	18	4.50	4.50	4.50	4.50	20.50	20.50	27.0	27.0	23.8
55	1SV22AD057	VAISHNAVI-	15	12	10	7.5	7.5	12	10	10	2.5	2.5	2.5	2.5	15	3.75	3.75	3.75	3.75	24	6.00	6.00	6.00	6.00	19.75	19.75	24.3	22.3	21.5
56	1SV22AD058	VAISHNAVI HAJARE-	15	13	14	7.5	7.5	13	14	10	2.5	2.5	2.5	2.5	25	6.25	6.25	6.25	6.25	37	9.25	9.25	9.25	9.25	25.50	25.50	31.0	32.0	28.5
57	1SV22AD059	VARSHINI R	15	12	13	7.5	7.5	12	13	10	2.5	2.5	2.5	2.5	25	6.25	6.25	6.25	6.25	37	9.25	9.25	9.25	9.25	25.50	25.50	30.0	31.0	28.0
58	1SV22AD060	VARUN B P	8	9	11	4	4	9	11	10	2.5	2.5	2.5	2.5	24	6	6	6	6	11	2.75	2.75	2.75	2.75	15.25	15.25	20.3	22.3	18.3
59	1SV22AD061	VINAY A-	15	12	14	7.5	7.5	12	14	10	2.5	2.5	2.5	2.5	25	6.25	6.25	6.25	6.25	22	5.50	5.50	5.50	5.50	21.75	21.75	26.3	28.3	24.5
60	1SV22AD062	WASEEM AHAMED	15	13	11	7.5	7.5	13	11	10	2.5	2.5	2.5	2.5	25	6.25	6.25	6.25	6.25	18	4.50	4.50	4.50	4.50	20.75	20.75	26.3	24.3	23.0
61	1SV22AD063	ZOYA SULTANA	15	14	14	7.5	7.5	14	14	10	2.5	2.5	2.5	2.5	25	6.25	6.25	6.25	6.25	24	6.00	6.00	6.00	6.00	22.25	22.25	28.8	28.8	25.5
62	1SV23AD400	BHARATH	11	10	7	5.5	5.5	10	7	10	2.5	2.5	2.5	2.5	24	6	6	6	6	21	5.25	5.25	5.25	5.25	19.25	19.25	23.8	20.8	20.8
63	1SV23AD401	DARSHAN	14	0	10	7	7	0	10	10	2.5	2.5	2.5	2.5	23	5.75	5.75	5.75	5.75	20	5.00	5.00	5.00	5.00	20.25	20.25	13.3	23.3	19.3
64	1SV23AD402	MOHAMMED SALEEM	8	4	10	4	4	4	10	10	2.5	2.5	2.5	2.5	23	5.75	5.75	5.75	5.75	28	7.00	7.00	7.00	7.00	19.25	19.25	19.3	25.3	20.8
65	1SV23AD403	PRASHANTH	9	6	7	4.5	4.5	6	7	10	2.5	2.5	2.5	2.5	23	5.75	5.75	5.75	5.75	6	1.50	1.50	1.50	1.50	14.25	14.25	15.8	16.8	15.3
66	1SV23AD404	UDAY	10	6	8	5	5	6	8	10	2.5	2.5	2.5	2.5	23	5.75	5.75	5.75	5.75	30	7.50	7.50	7.50	7.50	20.75	20.75	21.8	23.8	21.8
																									1441.75	1441.75	1700.25	1774.25	
																									21.84	21.84	25.76	26.88	
																									84.0181	84.0181	99.0822	103.3945	

STAFF INCHARGE

PRINCIPAL
SIET. TUMKUR.

HOD
HOD
Department of AI&DS
SIET Tumakuru

Sri Shridevi Charitable Trust (R.)
SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY
Sira Road, Tumkur - 572 106, Karnataka, India.
Phone: 0816 - 2212629 | Principal: 0816 - 2212627, 9686114899 | Telefax: 0816 - 2212628
Email: info@shrideviengineering.org, principal@shridevengineering.org | Website: www.shridevengineering.org
(Approved by AICTE, New Delhi, Recognised by Govt. of Karnataka and Affiliated to Visvesvaraya Technological University, Belagavi)

Department of Artificial Intelligence and Data Science

COURSE OUTCOME

CO 1. Learn the basic needs of communication system.
CO 2. Interpret the communication challenges and its solution.
CO 3. Identify and organize the communication system network components
CO 4. Design communication networks for user requirements.
Co5: Explain the transport layer and application layer operation.

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 forsustainable 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.

PRINCIPAL
SIET. TUMKUR.

COLLEGE	SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY				
FACULTY NAME	MRS. KOTRAMMA MATHADA				
BRANCH	AI&DS	ACADEMIC YEAR	2023-24		
COURSE	B.E	SEMESTER	V	SECTION	-
SUBJECT	COMPUTER NETWORKS		SUBJECT CODE	21CS52	

CO & PO MAPPING

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	–	–	–	–	–	–	–	–	–	–	–	–	–	3
CO2	3	2	–	–	–	–	–	–	–	–	–	–	–	–	3
CO3	3	2	–	–	–	–	–	–	–	–	–	–	–	–	3
CO4	3	2	2	–	–	–	–	–	–	–	–	–	2	2	3
CO5	3	2	2	–	–	–	–	–	–	–	–	–	–	–	3
AVERAGE	3	2	2	-	-	-	-	-	-	-	-	-	2	2	3
OVERALL MAPPING OF SUBJECT												2.33			

CO - PO ATTAINMENT

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	68.2	2.04	-	-	-	-	-	-	-	-	-	-	-	-	-	2.04
CO2	68.2	2.04	1.36	-	-	-	-	-	-	-	-	-	-	-	-	2.04
CO3	69.6	2.08	1.39	-	-	-	-	-	-	-	-	-	-	-	-	2.08
CO4	69.6	2.08	1.39	-	-	-	-	-	-	-	-	-	-	1.39	1.39	2.08
CO5	73.6	2.2	1.47	1.47	-	-	-	-	-	-	-	-	-	-	-	2.2
AVERAGE		2.08	1.4	1.43	-	-	-	-	-	-	-	-	-	1.39	1.39	2.08
FINAL ATTAINMENT LEVEL													1.62			

STAFF IN CHARGE

PRINCIPAL
SIET. TUMKUR.

HOD

HOD
Department of AI&DS
SIET Tumakuru

Sri Shridevi Charitable Trust (R.)
SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY
Sira Road, Tumkur - 572 106, Karnataka, India.
Phone: 0816 - 2212629 | Principal: 0816 - 2212627, 9686114899 | Telefax: 0816 - 2212628
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)

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE 2023-24

V SEM

21CS52 - 2023-24 ODD - Factly : Mrs. Kotramma Mathada - CN

Roll No.	USN	Name	T1	T2	T3	T1		T2		T3	ASSIGNMENT 10/3						INTERGRATED LAB-20/5						SEE						Final					TOTAL
						10	10	CO3-10	CO4-10	20	CO1-2	CO2-2	2	CO4-2	CO5-2	LAB	CO1-4	CO2-4	CO3-4	CO4-4	CO5-4	SEE	CO1-10	CO2-10	CO3-10	CO4-10	CO5-10	CO1-26	CO2-26	CO3-26	CO4-26	CO5-36	
1	1SV21AD001	ARUN KUMAR G T	12	13	13	6	6	6.5	6.5	13	2	2	2	2	2	19	3.8	3.8	3.8	3.8	3.8	19	3.80	3.80	3.80	3.80	3.80	15.60	15.60	16.1	16.1	22.6	17.2
2	1SV21AD002	BHARATH KUMAR P	12	13	16	6	6	6.5	6.5	16	2	2	2	2	2	19	3.8	3.8	3.8	3.8	3.8	26	5.20	5.20	5.20	5.20	5.20	17.00	17.00	17.5	17.5	27.0	19.2
3	1SV21AD003	BHAVANA C	19	19	20	9.5	9.5	9.5	9.5	20	2	2	2	2	2	20	4	4	4	4	4	27	5.40	5.40	5.40	5.40	5.40	20.90	20.90	20.9	20.9	31.4	23.0
4	1SV21AD004	CHANDANA K	14	13	18	7	7	6.5	6.5	18	2	2	2	2	2	19	3.8	3.8	3.8	3.8	3.8	20	4.00	4.00	4.00	4.00	4.00	16.80	16.80	16.3	16.3	27.8	18.8
5	1SV21AD005	DARSHAN C N	14	15	14	7	7	7.5	7.5	14	2	2	2	2	2	19	3.8	3.8	3.8	3.8	3.8	25	5.00	5.00	5.00	5.00	5.00	17.80	17.80	18.3	18.3	24.8	19.4
6	1SV21AD006	DARSHAN G K	14	14	15	7	7	7	7	15	2	2	2	2	2	19	3.8	3.8	3.8	3.8	3.8	18	3.60	3.60	3.60	3.60	3.60	16.40	16.40	16.4	16.4	24.4	18.0
7	1SV21AD008	FAIZ AHMED	12	10	10	6	6	5	5	10	2	2	2	2	2	17	3.4	3.4	3.4	3.4	3.4	7	1.40	1.40	1.40	1.40	1.40	12.80	12.80	11.8	11.8	16.8	13.2
8	1SV21AD009	FATHIMA MUSKAN	19	19	20	9.5	9.5	9.5	9.5	20	2	2	2	2	2	20	4	4	4	4	4	32	6.40	6.40	6.40	6.40	6.40	21.90	21.90	21.9	21.9	32.4	24.0
9	1SV21AD010	H R SUDEEP KUMAR	15	17	18	7.5	7.5	8.5	8.5	18	2	2	2	2	2	19	3.8	3.8	3.8	3.8	3.8	28	5.60	5.60	5.60	5.60	5.60	18.90	18.90	19.9	19.9	29.4	21.4
10	1SV21AD011	HEENA KOUSAR	16	15	16	8	8	7.5	7.5	16	2	2	2	2	2	19	3.8	3.8	3.8	3.8	3.8	18	3.60	3.60	3.60	3.60	3.60	17.40	17.40	16.9	16.9	25.4	18.8
11	1SV21AD012	LALITHA TM	19	19	20	9.5	9.5	9.5	9.5	20	2	2	2	2	2	20	4	4	4	4	4	19	3.80	3.80	3.80	3.80	3.80	19.30	19.30	19.3	19.3	29.8	21.4
12	1SV21AD013	LOKESH MURTHY V M	13	16	16	6.5	6.5	8	8	16	2	2	2	2	2	19	3.8	3.8	3.8	3.8	3.8	30	6.00	6.00	6.00	6.00	6.00	18.30	18.30	19.8	19.8	27.8	20.8
13	1SV21AD015	MEGHANA C N	18	18	20	9	9	9	9	20	2	2	2	2	2	20	4	4	4	4	4	37	7.40	7.40	7.40	7.40	7.40	22.40	22.40	22.4	22.4	33.4	24.6
14	1SV21AD016	MOHAMMED AMEEN T Z	14	16	17	7	7	8	8	17	2	2	2	2	2	20	4	4	4	4	4	27	5.40	5.40	5.40	5.40	5.40	18.40	18.40	19.4	19.4	28.4	20.8
15	1SV21AD017	MOHAMMED NOUMAN USMANI	14	14	16	7	7	7	7	16	2	2	2	2	2	19	3.8	3.8	3.8	3.8	3.8	11	2.20	2.20	2.20	2.20	2.20	15.00	15.00	15.0	15.0	24.0	16.8
16	1SV21AD019	MUHANNAD KHAN	15	14	18	7.5	7.5	7	7	18	2	2	2	2	2	19	3.8	3.8	3.8	3.8	3.8	18	3.60	3.60	3.60	3.60	3.60	16.90	16.90	16.4	16.4	27.4	18.8
17	1SV21AD020	MUTHAHIREEN	17	18	17	8.5	8.5	9	9	17	2	2	2	2	2	19	3.8	3.8	3.8	3.8	3.8	23	4.60	4.60	4.60	4.60	4.60	18.90	18.90	19.4	19.4	27.4	20.8
18	1SV21AD021	NIRANJAN K V	19	19	20	9.5	9.5	9.5	9.5	20	2	2	2	2	2	20	4	4	4	4	4	29	5.80	5.80	5.80	5.80	5.80	21.30	21.30	21.3	21.3	31.8	23.4
19	1SV21AD022	NOOR UL HUDA	17	17	19	8.5	8.5	8.5	8.5	19	2	2	2	2	2	20	4	4	4	4	4	34	6.80	6.80	6.80	6.80	6.80	21.30	21.30	21.3	21.3	31.8	23.4
20	1SV21AD023	PRADEEP N	15	10	12	7.5	7.5	5	5	12	2	2	2	2	2	18	3.6	3.6	3.6	3.6	3.6	23	4.60	4.60	4.60	4.60	4.60	17.70	17.70	15.2	15.2	22.2	17.6
21	1SV21AD024	PRAJWAL S	12	13	16	6	6	6.5	6.5	16	2	2	2	2	2	18	3.6	3.6	3.6	3.6	3.6	12	2.40	2.40	2.40	2.40	2.40	14.00	14.00	14.5	14.5	24.0	16.2
22	1SV21AD025	PRASHANTH G M	14	14	11	7	7	7	7	11	2	2	2	2	2	18	3.6	3.6	3.6	3.6	3.6	5	1.00	1.00	1.00	1.00	1.00	13.60	13.60	13.6	13.6	17.6	14.4
23	1SV21AD026	RAJNISH PRASAD KALWAR	19	20	20	9.5	9.5	10	10	20	2	2	2	2	2	20	4	4	4	4	4	40	8.00	8.00	8.00	8.00	8.00	23.50	23.50	24.0	24.0	34.0	25.8
24	1SV21AD027	RAKSHITH BRK	8	13	16	4	4	6.5	6.5	16	2	2	2	2	2	18	3.6	3.6	3.6	3.6	3.6	8	1.60	1.60	1.60	1.60	1.60	11.20	11.20	13.7	13.7	23.2	14.6
25	1SV21AD028	RAMYASHREE M	16	16	12	8	8	8	8	12	2	2	2	2	2	19	3.8	3.8	3.8	3.8	3.8	21	4.20	4.20	4.20	4.20	4.20	18.00	18.00	18.0	18.0	22.0	18.8
26	1SV21AD029	REKHA H	15	16	9	7.5	7.5	8	8	9	2	2	2	2	2	19	3.8	3.8	3.8	3.8	3.8	18	3.60	3.60	3.60	3.60	3.60	16.90	16.90	17.4	17.4	18.4	17.4
27	1SV21AD030	SHIFA KOUSER	13	13	17	6.5	6.5	6.5	6.5	17	2	2	2	2	2	19	3.8	3.8	3.8	3.8	3.8	18	3.60	3.60	3.60	3.60	3.60	15.90	15.90	15.9	15.9	26.4	18.0
28	1SV21AD031	SRINIDHI SH	10	14	11	5	5	7	7	11	2	2	2	2	2	19	3.8	3.8	3.8	3.8	3.8	32	6.40	6.40	6.40	6.40	6.40	17.20	17.20	19.2	19.2	23.2	19.2
29	1SV21AD032	SUHAS J K	8	14	16	4	4	7	7	16	2	2	2	2	2	18	3.6	3.6	3.6	3.6	3.6	14	2.80	2.80	2.80	2.80	2.80	12.40	12.40	15.4	15.4	24.4	16.0
30	1SV21AD033	SWAMY H R	16	14	14	8	8	7	7	14	2	2	2	2	2	19	3.8	3.8	3.8	3.8	3.8	23	4.60	4.60	4.60	4.60	4.60	18.40	18.40	17.4	17.4	24.4	19.2
31	1SV21AD034	SYEDA UROOJ FATHIMA	17	18	18	8.5	8.5	9	9	18	2	2	2	2	2	20	4	4	4	4	4	29	5.80	5.80	5.80	5.80	5.80	20.30	20.30	20.8	20.8	29.8	22.4
32	1SV21AD035	SYEEDA FATHIMUZ ZOHARA	15	18	20	7.5	7.5	9	9	20	2	2	2	2	2	20	4	4	4	4	4	27	5.40	5.40	5.40	5.40	5.40	18.90	18.90	20.4	20.4	31.4	22.0
33	1SV21AD036	ULLAS P M	13	11	12	6.5	6.5	5.5	5.5	12	2	2	2	2	2	18	3.6	3.6	3.6	3.6	3.6	22	4.40	4.40	4.40	4.40	4.40	16.50	16.50	15.5	15.5	22.0	17.2
34	1SV21AD037	VIDYA SHREE A	19	19	20	9.5	9.5	9.5	9.5	20	2	2	2	2	2	20	4	4	4	4	4	26	5.20	5.20	5.20	5.20	5.20	20.70	20.70	20.7	20.7	31.2	22.8
35	1SV21AD038	VINAY KUMAR	19	20	20	9.5	9.5	10	10	20	2	2	2	2	2	20	4	4	4	4	4	30	6.00	6.00	6.00	6.00	6.00	21.50	21.50	22.0	22.0	32.0	23.8
36	1SV21AD039	VYSHNAVI P	19	19	20	9.5	9.5	9.5	9.5	20	2	2	2	2	2	20	4	4	4	4	4	18	3.60	3.60	3.60	3.60	3.60	19.10	19.10	19.1	19.1	29.6	21.2
37	1SV21AD040	ZEESHAN PASHA	14	16	13	7	7	8	8	13	2	2	2	2	2	18	3.6	3.6	3.6	3.6	3.6	18	3.60	3.60	3.60	3.60	3.60	16.20	16.20	17.2	17.2	22.2	17.8
38	1SV22AD400	Gowtham K M	16	17	16	8	8	8.5	8.5	16	2	2	2	2	2	19	3.8	3.8	3.8	3.8	3.8	22	4.40	4.40	4.40	4.40	4.40	18.20	18.20	18.7	18.7	26.2	20.0
39	1SV22AD401	Shantha T R	13	14	12	6.5	6.5	7	7	12	2	2	2	2	2	18	3.6	3.6	3.6	3.6	3.6	18	3.60	3.60	3.60	3.60	3.60	15.70	15.70	16.2	16.2	21.2	17.0

PRINCIPAL
SIET. TUMKUR.

40	1SV22AD402	Srinivasalu V	12	17	18	6	6	8.5	8.5	18	2	2	2	2	2	19	3.8	3.8	3.8	3.8	3.8	25	5.00	5.00	5.00	5.60	5.00	16.80	16.80	19.3	19.3	28.8	20.2
41	1SV22AD403	T M Yuvaprasad	15	16	18	7.5	7.5	8	8	18	2	2	2	2	2	19	3.8	3.8	3.8	3.8	3.8	23	4.60	4.60	4.60	4.60	4.60	17.90	17.90	18.4	18.4	28.4	20.2
																												727.90	727.90	742.9	742.9	1086.4	805.6
																												17.75	17.75	18.1	18.1	26.5	19.6
																												68.283	68.283	69.6904	69.6904	73.6043	

STAFF INCHARGE

HOD

HOD
Department of AI&DS
SIET Tumakuru

####

SHRIDEVI	**SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY** **SIRA ROAD, TUMKUR- 572 106.**

Department of Artificial intelligence and DataScience

COURSE OUTCOME

CO1. Apply knowledge of agent architecture, searching and reasoning techniques for different applications.
CO2. Analyse Searching and Inference Techniques.
CO3. Develop knowledge base sentences using propositional logic and first order logic
CO4. Demonstrating agents, searching and inferencing
CO5. Illustrate the application of probability in uncertain reasoning.

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.

PRINCIPAL
SIET. TUMKUR.

COLLEGE	SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY				
FACULTY NAME	Dr.R.RAJESWARI				
BRANCH	AIDS	ACADEMIC YEAR	2023-2024		
COURSE	B.E	SEMESTER	V	SECTION	A
SUBJECT	PRINCIPLES OF ARTIFICIAL INTELLIGENCE	SUBJECT CODE	21AI 54		

CO-PO-PSO Mapping

COs	Pos												PSOs		
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3
CO1	3	3	3								3	2	3	3	3
CO2	3	3	3	2	2								3	3	3
CO3	3	3	3	2	2								3	3	3
CO4	3	3	3	3									3	2	3
CO5	3	3	3										3	3	3
Average	3.0	3.0	3.0	2.3	2.0						3.0	2.0	3.0	2.8	3.0

CO AND PO ATTAINMENT

ATTAINMENT TABLE

COs	AVG %	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	25.33	0.76	0.76	0.76								0.76	0.51	0.76	0.76	0.76
CO2	22.1	0.66	0.66	0.66	0.44	0.44								0.66	0.66	0.66
CO3	24.49	0.73	0.73	0.73	0.49	0.49								0.73	0.73	0.73
CO4	20.94	0.63	0.63	0.63	0.63									0.63	0.42	0.63
CO3	20.24	0.61	0.61	0.61										0.61	0.61	0.61
AVERAGE		0.68	0.68	0.68	0.52	0.46						0.76	0.51	0.68	0.63	0.68
		Overall Attainment =0.57														

Staff incharge

HOD
Department of AI&DS
SIET Tumakuru

Sri Shridevi Charitable Trust (R.)
SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY
Sira Road, Tumkur - 572 106, Karnataka, India.
Phone: 0816 - 2212629 | Principal: 0816 - 2212627, 9686114899 | Telefax: 0816 - 2212628
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)
SHRIDEVI EDUCATION
ESTD:2002 20 YEARS Academic Excellence

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATASCIENCE

21AI54 | Sem:V | 2023-24 | FACULTY:Dr Rajeswari.R

Roll No.	USN	Name	SUB:PAI			T1		T2		T3		ASSIGNMENT (20)					SEM(10)					Quiz(10)					EXTERNAL						Final				
			T1 (20)	T2 (20)	T3 20)	CO1-15	CO2-5	C02-05	CO3-15	CO4-10	C05-10	CO1-2	CO2-2	CO3-2	C04-2	CO5-2	CO1-2	CO2-2	CO3-2	C04-2	CO5-2	CO1-2	CO2-2	CO3-2	C04-2	CO5-2	SEE (50)	CO1-10	CO2-10	CO3-10	CO4-10	C05-10	CO1-20	CO2-20	CO3-20	CO4-20	CO5-20
1	1SV21AD001	ARUN NKUMAR G T	11	12	9	8.25	2.75	3	9	4.5	4.5	4	4	4	4	4	2	2	2	2	2	2	2	1	1	1	26	5.2	5.2	5.2	5.2	5.2	21.45	18.95	21.2	16.7	16.7
2	1SV21AD002	BHARATH KUMAR P	15	13	11	11.3	3.75	3.25	9.75	5.5	5.5	4	4	4	4	4	2	2	2	2	2	2	2	2	2	1	36	7.2	7.2	7.2	7.2	7.2	26.45	22.2	24.95	20.7	19.7
3	1SV21AD003	BHAVANA	18	20	16	13.5	4.5	5	15	8	8	4	4	4	4	4	2	2	2	2	2	2	2	2	2	1	37	7.4	7.4	7.4	7.4	7.4	28.9	24.9	30.4	23.4	22.4
4	1SV21AD004	CHANDANA K	18	15	12	13.5	4.5	3.75	11.3	6	6	4	4	4	4	4	2	2	2	2	2	2	2	2	2	1	31	6.2	6.2	6.2	6.2	6.2	27.7	22.45	25.45	20.2	19.2
5	1SV21AD005	DHARSHAN C N	12	13	17	9	3	3.25	9.75	8.5	8.5	4	4	4	4	4	2	2	2	2	2	2	2	2	2	1	30	6	6	6	6	6	23	20.25	23.75	22.5	21.5
6	1SV21AD006	DHARSHAN G K	17	15	11	12.8	4.25	3.75	11.3	5.5	5.5	4	4	4	4	4	2	2	2	2	2	2	2	2	2	1	22	4.4	4.4	4.4	4.4	4.4	25.15	20.4	23.65	17.9	16.9
7	1SV21AD008	FAIZ AHAMED	13	5		9.75	3.25	1.25	3.75	0	0	4	4	4	4	4	2	2	2	2	2	2	2	2	1	1	3	0.6	0.6	0.6	0.6	0.6	18.35	13.1	12.35	7.6	7.6
8	1SV21AD009	FATHIMA MUSKAN	18	20	19	13.5	4.5	5	15	9.5	9.5	4	4	4	4	4	2	2	2	2	2	2	2	2	2	1	32	6.4	6.4	6.4	6.4	6.4	27.9	23.9	29.4	23.9	22.9
9	1SV21AD010	H R SUDEEP KUMAR	19	16	17	14.3	4.75	4	12	8.5	8.5	4	4	4	4	4	2	2	2	2	2	2	2	2	2	1	35	7	7	7	7	7	29.25	23.75	27	23.5	22.5
10	1SV21AD011	HEENA KOUSAR	16	8	15	12	4	2	6	7.5	7.5	4	4	4	4	4	2	2	2	2	2	2	2	2	2	1	18	3.6	3.6	3.6	3.6	3.6	23.6	17.6	17.6	19.1	18.1
11	1SV21AD012	LALITHA T M	15	20	19	11.3	3.75	5	15	9.5	9.5	4	4	4	4	4	2	2	2	2	2	2	2	1	1	1	29	5.8	5.8	5.8	5.8	5.8	25.05	22.55	27.8	22.3	22.3
12	1SV21AD013	LOKESH MURTHY T M	12	15	17	9	3	3.75	11.3	8.5	8.5	4	4	4	4	4	2	2	2	2	2	2	2	2	2	1	32	6.4	6.4	6.4	6.4	6.4	23.4	21.15	25.65	22.9	21.9
13	1SV21AD015	MEGHANA C N	17	20	20	12.8	4.25	5	15	10	10	4	4	4	4	4	2	2	2	2	2	2	2	2	2	1	36	7.2	7.2	7.2	7.2	7.2	27.95	24.45	30.2	25.2	24.2
14	1SV21AD016	MOHAMMED AMEEN TZ	18	14	18	13.5	4.5	3.5	10.5	9	9	4	4	4	4	4	2	2	2	2	2	2	2	2	2	1	22	4.4	4.4	4.4	4.4	4.4	25.9	20.4	22.9	21.4	20.4
15	1SV21AD017	MOHAMMED NOUMAN USMANI	18	17	17	13.5	4.5	4.25	12.8	8.5	8.5	4	4	4	4	4	2	2	2	2	2	2	2	2	2	1	18	3.6	3.6	3.6	3.6	3.6	25.1	20.35	24.35	20.1	19.1
16	1SV21AD019	MUHANNAD KHAN	18	20	16	13.5	4.5	5	15	8	8	4	4	4	4	4	2	2	2	2	2	2	2	2	2	1	35	7	7	7	7	7	28.5	24.5	30	23	22
17	1SV21AD020	MUTHAHIREEN	17	20	20	12.8	4.25	5	15	10	10	4	4	4	4	4	2	2	2	2	2	2	2	1	1	1	38	7.6	7.6	7.6	7.6	7.6	28.35	24.85	29.6	24.6	24.6
18	1SV21AD021	NIRANJAN K V	18	16	20	13.5	4.5	4	12	10	10	4	4	4	4	4	2	2	2	2	2	2	2	2	2	1	32	6.4	6.4	6.4	6.4	6.4	27.9	22.9	26.4	24.4	23.4
19	1SV21AD022	NOOR UL HUDA	20	18	20	15	5	4.5	13.5	10	10	4	4	4	4	4	2	2	2	2	2	2	2	2	2	1	41	8.2	8.2	8.2	8.2	8.2	31.2	25.7	29.7	26.2	25.2
20	1SV21AD023	PRADEEP N	16	14	13	12	4	3.5	10.5	6.5	6.5	4	4	4	4	4	2	2	2	2	2	2	2	2	2	1	27	5.4	5.4	5.4	5.4	5.4	25.4	20.9	23.9	19.9	18.9
21	1SV21AD024	PRAJWAL S	13	6	3	9.75	3.25	1.5	4.5	1.5	1.5	4	4	4	4	4	2	2	2	2	2	2	2	1	2	1	0	0	0	0	0	0	17.75	12.75	11.5	9.5	8.5
22	1SV21AD025	PRASHANTH G M	17	17	17	12.8	4.25	4.25	12.8	8.5	8.5	4	4	4	4	4	2	2	2	2	2	2	2	2	2	1	15	3	3	3	3	3	23.75	19.5	23.75	19.5	18.5
23	1SV21AD026	RAJNISH PRASAD	17	19	20	12.8	4.25	4.75	14.3	10	10	4	4	4	4	4	2	2	2	2	2	2	2	2	2	1	34	6.8	6.8	6.8	6.8	6.8	27.55	23.8	29.05	24.8	23.8
24	1SV21AD027	RAKSHITHA B R K	16	17	15	12	4	4.25	12.8	7.5	7.5	4	4	4	4	4	2	2	2	2	2	2	2	2	2	1	11	2.2	2.2	2.2	2.2	2.2	22.2	18.45	22.95	17.7	16.7
25	1SV21AD028	RAMYASHREE M	18	15	19	13.5	4.5	3.75	11.3	9.5	9.5	4	4	4	4	4	2	2	2	2	2	2	2	2	1	1	36	7.2	7.2	7.2	7.2	7.2	28.7	23.45	26.45	23.7	23.7
26	1SV21AD029	REKHA H	18	11	15	13.5	4.5	2.75	8.25	7.5	7.5	4	4	4	4	4	2	2	2	2	2	2	2	2	2	1	38	7.6	7.6	7.6	7.6	7.6	29.1	22.85	23.85	23.1	22.1
27	1SV21AD030	SHIFA KOUSER	12	12	18	9	3	3	9	9	9	4	4	4	4	4	2	2	2	2	2	2	2	2	2	1	27	5.4	5.4	5.4	5.4	5.4	22.4	19.4	22.4	22.4	21.4
28	1SV21AD031	SRINIDHI S H	10	13	11	7.5	2.5	3.25	9.75	5.5	5.5	4	4	4	4	4	2	2	2	2	2	2	2	2	1	1	11	2.2	2.2	2.2	2.2	2.2	17.7	15.95	19.95	14.7	14.7
29	1SV21AD032	SUHAS J K	7	12	11	5.25	1.75	3	9	5.5	5.5	4	4	4	4	4	2	2	2	2	2	2	2	2	1	1	8	1.6	1.6	1.6	1.6	1.6	14.85	14.35	18.6	14.1	14.1
30	1SV21AD033	SWAMY H R	19	14	18	14.3	4.75	3.5	10.5	9	9	4	4	4	4	4	2	2	2	2	2	2	2	2	1	1	33	6.6	6.6	6.6	6.6	6.6	28.85	22.85	25.1	22.6	22.6
31	1SV21AD034	SYEDA UROOJ FATHIMA	15	18	19	11.3	3.75	4.5	13.5	9.5	9.5	4	4	4	4	4	2	2	2	2	2	2	2	2	2	1	27	5.4	5.4	5.4	5.4	5.4	24.65	21.65	26.9	22.9	21.9
32	1SV21AD035	SYEEDA FATHIMUZ ZOHARA	13	19	20	9.75	3.25	4.75	14.3	10	10	4	4	4	4	4	2	2	2	2	2	2	2	2	1	1	30	6	6	6	6	6	23.75	22	28.25	23	23
33	1SV21AD036	ULLAS P M	17	13	19	12.8	4.25	3.25	9.75	9.5	9.5	4	4	4	4	4	2	2	2	2	2	2	2	2	2	1	18	3.6	3.6	3.6	3.6	3.6	24.35	19.1	21.35	21.1	20.1

34	1SV21AD037	VIDYASHREE A	20	17	20	15	5	4.25	12.8	10	10	4	4	4	4	4	2	2	2	2	2	2	2	1	2	1	35	7	7	7	7	7	30	24.25	26.75	25	24
35	1SV21AD038	VINAY KUMAR	20	20	20	15	5	5	15	10	10	4	4	4	4	4	2	2	2	2	2	2	2	2	2	1	37	7.4	7.4	7.4	7.4	7.4	30.4	25.4	30.4	25.4	24.4
36	1SV21AD039	VYSHNAVI P	20	18	18	15	5	4.5	13.5	9	9	4	4	4	4	4	2	2	2	2	2	2	2	2	2	2	18	3.6	3.6	3.6	3.6	3.6	26.6	21.1	25.1	20.6	20.6
37	1SV21AD040	ZEESHAN PASHA	15	14	13	11.3	3.75	3.5	10.5	6.5	6.5	4	4	4	4	4	2	2	2	2	2	2	2	2	2	1	18	3.6	3.6	3.6	3.6	3.6	22.85	18.85	22.1	18.1	17.1
38	1SV22AD400	GOUTHAM K M	18	14	17	13.5	4.5	3.5	10.5	8.5	8.5	4	4	4	4	4	2	2	2	2	2	2	2	2	1	1	30	6	6	6	6	6	27.5	22	24.5	21.5	21.5
39	1SV22AD401	SHANTHA T R	11	6	11	8.25	2.75	1.5	4.5	5.5	5.5	4	4	4	4	4	2	2	2	2	2	2	2	2	2	1	26	5.2	5.2	5.2	5.2	5.2	21.45	17.45	17.7	18.7	17.7
40	1SV22AD402	SRINIVASULU V	18	16	17	13.5	4.5	4	12	8.5	8.5	4	4	4	4	4	2	2	2	2	2	2	2	2	2	1	31	6.2	6.2	6.2	6.2	6.2	27.7	22.7	26.2	22.7	21.7
41	1SV22AD403	T M YUVA PRASAD	15	14	17	11.3	3.75	3.5	10.5	8.5	8.5	4	4	4	4	4	2	2	2	2	2	2	2	2	1	1	33	6.6	6.6	6.6	6.6	6.6	25.85	21.85	25.1	22.1	22.1
																																	1038.5	**864.95**	**1004**	**858.7**	**829.7**
																																	25.33	**21.10**	**24.49**	**20.94**	**20.24**

Staff Incharge

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Department of AI&DS
SIET Tumakuru

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Department of Artificial Intelligence and Data Science

COURSE OUTCOME

CO 1. Learn the basic needs of communication system.
CO 2. Interpret the communication challenges and its solution.
CO 3. Identify and organize the communication system network components
CO 4. Design communication networks for user requirements.
Co5: Explain the transport layer and application layer operation.

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 forsustainable development.
PO8 Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
PO9 Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
PO10 Communication: Communicate effectively on complex engineering activities with the engineering community and with the society.
PO11 Project management and finance: An ability to use the modern engineering tools, techniques, skills and management principles to do work as a member and leader in a team, to manage projects in multidisciplinary environments.
PO12 Life-long learning: A recognition of the need for, and an ability to engage in, to resolve contemporary issues and acquire lifelong learning.

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COLLEGE	SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY				
FACULTY NAME	MRS. SHRUTHI S				
BRANCH	AI&DS	ACADEMIC YEAR	2023-24		
COURSE	B.E	SEMESTER	V	SECTION	-
SUBJECT	AUTOMATA THEORY & COMPILER DESIGN	SUBJECT CODE	21CS51		

CO & PO MAPPING

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	3	3	2	–	–	–	–	–	–	–	2	3	1	
CO2	2	2	3	–	–	–	–	–	–	–	–	2	2	2	
CO3	2	2	2	2	–	–	1	–	–	–	–	1	2	2	2
CO4	1	3		1	–	–	–	–	–	–	–	2	2	2	
CO5	2	3	2	–	–	–	–	–	–	–	–	3	2	2	
AVERAGE	2	2.6	2.5	-	-	-	1	-	-	-	-	2	2.6	1.8	2
OVERALL MAPPING OF SUBJECT												2.33			

CO - PO ATTAINMENT

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	70.1	2.10	2.10	2.10	1.40	-	-	-	-	-	-	-	- 1.40	2.10	0.7	-
CO2	70.1	1.40	1.40	2.10	-	-	-	-	-	-	-	-	1.40	1.40	1.40	
CO3	63.7	1.27	1.27	1.27	- 1.27	-	-	0.63	-	-	-	-	- 0.63	1.27	1.27	1.27
CO4	63.7	0.63	1.91		0.63	-	-	-	-	-	-	-	1.27	1.27	1.27	
CO5	75	1.5	2.25	1.5	-	-	-	-	-	-	-	-	-	1.5	1.5	
AVERAGE		1.38	1.78	1.74	1,1			0.63					1.17	1.5	1.22	1.27
FINAL ATTAINMENT LEVEL													1.31			

STAFF INCHARGE

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HOD
Department of AI&DS
SIET, Tumakuru

Sri Shridevi Charitable Trust (R.)
SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY
Sira Road, Tumkur - 572 106, Karnataka, India.
Phone: 0816 - 2212629 | Principal: 0816 - 2212627, 9686114899 | Telefax: 0816 - 2212628
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 ARTIFICIAL INTELLIGENCE AND DATA SCIENCE 2023-24

V SEM — 2023-24 ODD — Faculaty : Mrs.SHRUTHI S — 21CS51 — ATC

USN	Name	T1	T2	T3	CO1-10	CO2-10	CO3-10	CO4-10	CO5-20	ASSIGNMENT 10/3 CO1-2	CO2-2	CO3-2	CO4-2	CO5-2	Seminar -20/5 CO1-4	CO2-4	CO3-4	CO4-4	CO5-4	SEE	CO1-10	CO2-10	CO3-10	CO4-10	CO5-10	Final CO1-26	CO2-26	CO3-26	CO4-26	CO5-36	TOTAL
1SV21AD001	ARUN KUMAR G T	14	10	15	7	7	5	5	15	2	2	2	2	2	4	4	4	4	4	20	4.00	4.00	4.00	4.00	4.00	17.00	17.00	15.0	15.0	25.0	17.8
1SV21AD002	BHARATH KUMAR P	15	10	20	7.5	7.5	5	5	20	2	2	2	2	2	4	4	4	4	4	5	1.00	1.00	1.00	1.00	1.00	14.50	14.50	12.0	12.0	27.0	16.0
1SV21AD003	BHAVANA C	17	14	20	8.5	8.5	7	7	20	2	2	2	2	2	4	4	4	4	4	28	5.60	5.60	5.60	5.60	5.60	20.10	20.10	18.6	18.6	31.6	21.8
1SV21AD004	CHANDANA K	17	20	20	8.5	8.5	10	10	20	2	2	2	2	2	4	4	4	4	4	10	2.00	2.00	2.00	2.00	2.00	16.50	16.50	18.0	18.0	28.0	19.4
1SV21AD005	DARSHAN C N	17	8	20	8.5	8.5	4	4	20	2	2	2	2	2	4	4	4	4	4	18	3.60	3.60	3.60	3.60	3.60	18.10	18.10	13.6	13.6	29.6	18.6
1SV21AD006	DARSHAN G K	18	10	20	9	9	5	5	20	2	2	2	2	2	4	4	4	4	4	1	0.20	0.20	0.20	0.20	0.20	15.20	15.20	11.2	11.2	26.2	15.8
1SV21AD008	FAIZ AHMED	15	10	9	7.5	7.5	5	5	9	2	2	2	2	2	4	4	4	4	4	0	0.00	0.00	0.00	0.00	0.00	13.50	13.50	11.0	11.0	15.0	12.8
1SV21AD009	FATHIMA MUSKAN	19	20	20	9.5	9.5	10	10	20	2	2	2	2	2	4	4	4	4	4	37	7.40	7.40	7.40	7.40	7.40	22.90	22.90	23.4	23.4	33.4	25.2
1SV21AD010	H R SUDEEP KUMAR	17		20	8.5	8.5	0	0	20	2	2	2	2	2	4	4	4	4	4	11	2.20	2.20	2.20	2.20	2.20	16.70	16.70	8.2	8.2	28.2	15.6
1SV21AD011	HEENA KOUSAR	15	10	9	7.5	7.5	5	5	9	2	2	2	2	2	4	4	4	4	4	11	2.20	2.20	2.20	2.20	2.20	15.70	15.70	13.2	13.2	17.2	15.0
1SV21AD012	LALITHA TM	19	12	19	9.5	9.5	6	6	19	2	2	2	2	2	4	4	4	4	4	30	6.00	6.00	6.00	6.00	6.00	21.50	21.50	18.0	18.0	31.0	22.0
1SV21AD013	LOKESH MURTHY V M	13	16	15	6.5	6.5	8	8	15	2	2	2	2	2	4	4	4	4	4	21	4.20	4.20	4.20	4.20	4.20	16.70	16.70	18.2	18.2	25.2	19.0
1SV21AD015	MEGHANA C N	18	14	20	9	9	7	7	20	2	2	2	2	2	4	4	4	4	4	19	3.80	3.80	3.80	3.80	3.80	18.80	18.80	16.8	16.8	29.8	20.2
1SV21AD016	MOHAMMED AMEEN T Z	18	8	15	9	9	4	4	15	2	2	2	2	2	4	4	4	4	4	21	4.20	4.20	4.20	4.20	4.20	19.20	19.20	14.2	14.2	25.2	18.4
1SV21AD017	MOHAMMED NOUMAN USMANI	15	20	15	7.5	7.5	10	10	15	2	2	2	2	2	4	4	4	4	4	12	2.40	2.40	2.40	2.40	2.40	15.90	15.90	18.4	18.4	23.4	18.4
1SV21AD019	MUHANNAD KHAN	18	9	15	9	9	4.5	4.5	15	2	2	2	2	2	4	4	4	4	4	19	3.80	3.80	3.80	3.80	3.80	18.80	18.80	14.3	14.3	24.8	18.2
1SV21AD020	MUTHAHIREEN	17	16	20	8.5	8.5	8	8	20	2	2	2	2	2	4	4	4	4	4	18	3.60	3.60	3.60	3.60	3.60	18.10	18.10	17.6	17.6	29.6	20.2
1SV21AD021	NIRANJAN K V	20	19	20	10	10	9.5	9.5	20	2	2	2	2	2	4	4	4	4	4	35	7.00	7.00	7.00	7.00	7.00	23.00	23.00	22.5	22.5	33.0	24.8
1SV21AD022	NOOR UL HUDA	20	16	20	10	10	8	8	20	2	2	2	2	2	4	4	4	4	4	35	7.00	7.00	7.00	7.00	7.00	23.00	23.00	21.0	21.0	33.0	24.2
1SV21AD023	PRADEEP N	17	7	15	8.5	8.5	3.5	3.5	15	2	2	2	2	2	4	4	4	4	4	29	5.80	5.80	5.80	5.80	5.80	20.30	20.30	15.3	15.3	26.8	19.6
1SV21AD024	PRAJWAL S	12	9	18	6	6	4.5	4.5	18	2	2	2	2	2	4	4	4	4	4	3	0.60	0.60	0.60	0.60	0.60	12.60	12.60	11.1	11.1	24.6	14.4
1SV21AD025	PRASHANTH G M	15		20	7.5	7.5	0	0	20	2	2	2	2	2	4	4	4	4	4	18	3.60	3.60	3.60	3.60	3.60	17.10	17.10	9.6	9.6	29.6	16.6
1SV21AD026	RAJNISH PRASAD KALWAR	20	20	20	10	10	10	10	20	2	2	2	2	2	4	4	4	4	4	36	7.20	7.20	7.20	7.20	7.20	23.20	23.20	23.2	23.2	33.2	25.2
1SV21AD027	RAKSHITH BRK	15	15	17	7.5	7.5	7.5	7.5	17	2	2	2	2	2	4	4	4	4	4	19	3.80	3.80	3.80	3.80	3.80	17.30	17.30	17.3	17.3	26.8	19.2
1SV21AD028	RAMYASHREE M	17	18	18	8.5	8.5	9	9	18	2	2	2	2	2	4	4	4	4	4	32	6.40	6.40	6.40	6.40	6.40	20.90	20.90	21.4	21.4	30.4	23.0
1SV21AD029	REKHA H	13	12	15	6.5	6.5	6	6	15	2	2	2	2	2	4	4	4	4	4	4	0.80	0.80	0.80	0.80	0.80	13.30	13.30	12.8	12.8	21.8	14.8

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1SV21AD030	SHIFA KOUSER	11	12	18	5.5	5.5	6	6	18	2	2	2	2	2	4	4	4	4	4	30	6.00	6.00	6.00	6.00	6.00	17.50	17.50	18.0	18.0	30.0	20.2
1SV21AD031	SRINIDHI SH	15	15	14	7.5	7.5	7.5	7.5	14	2	2	2	2	2	4	4	4	4	4	7	1.40	1.40	1.40	1.40	1.40	14.90	14.90	14.9	14.9	21.4	16.2
1SV21AD032	SUHAS J K	18	16	14	8	8	8	8	14	2	2	2	2	2	4	4	4	4	4	20	4.00	4.00	4.00	4.00	4.00	18.00	18.00	18.0	18.0	24.0	19.2
1SV21AD033	SWAMY H R	18	5	20	9	9	2.5	2.5	20	2	2	2	2	2	4	4	4	4	4	31	6.20	6.20	6.20	6.20	6.20	21.20	21.20	14.7	14.7	32.2	20.8
1SV21AD034	SYEDA UROOJ FATHIMA	20	15	20	10	10	7.5	7.5	20	2	2	2	2	2	4	4	4	4	4	25	5.00	5.00	5.00	5.00	5.00	21.00	21.00	18.5	18.5	31.0	22.0
1SV21AD035	SYEEDA FATHIMUZ ZOHARA	20	20	15	10	10	10	10	15	2	2	2	2	2	4	4	4	4	4	21	4.20	4.20	4.20	4.20	4.20	20.20	20.20	20.2	20.2	25.2	21.2
1SV21AD036	ULLAS P M	10	10	12	5	5	5	5	12	2	2	2	2	2	4	4	4	4	4	13	2.60	2.60	2.60	2.60	2.60	13.60	13.60	13.6	13.6	20.6	15.0
1SV21AD037	VIDYA SHREE A	20	20	20	10	10	10	10	20	2	2	2	2	2	4	4	4	4	4	26	5.20	5.20	5.20	5.20	5.20	21.20	21.20	21.2	21.2	31.2	23.2
1SV21AD038	VINAY KUMAR	20	20	20	10	10	10	10	20	2	2	2	2	2	4	4	4	4	4	32	6.40	6.40	6.40	6.40	6.40	22.40	22.40	22.4	22.4	32.4	24.4
1SV21AD039	VYSHNAVI P	20	20	20	10	10	10	10	20	2	2	2	2	2	4	4	4	4	4	18	3.60	3.60	3.60	3.60	3.60	19.60	19.60	19.6	19.6	29.6	21.6
1SV21AD040	ZEESHAN PASHA	10	11	11	5	5	5.5	5.5	11	2	2	2	2	2	4	4	4	4	4	14	2.80	2.80	2.80	2.80	2.80	13.80	13.80	14.3	14.3	19.8	15.2
1SV22AD400	Gowtham K M	19	15	15	9.5	9.5	7.5	7.5	15	2	2	2	2	2	4	4	4	4	4	18	3.60	3.60	3.60	3.60	3.60	19.10	19.10	17.1	17.1	24.6	19.4
1SV22AD401	Shantha T R	15	9	15	7.5	7.5	4.5	4.5	15	2	2	2	2	2	4	4	4	4	4	18	3.60	3.60	3.60	3.60	3.60	17.10	17.10	14.1	14.1	24.6	17.4
1SV22AD402	Srinivasalu V	17	16	16	8.5	8.5	8	8	16	2	2	2	2	2	4	4	4	4	4	28	5.60	5.60	5.60	5.60	5.60	20.10	20.10	19.6	19.6	27.6	21.4
1SV22AD403	T M Yuvaprasad	15	13	13	7.5	7.5	6.5	6.5	13	2	2	2	2	2	4	4	4	4	4	25	5.00	5.00	5.00	5.00	5.00	18.50	18.50	17.5	17.5	24.0	19.2
																												748.10	748.10	679.6	679.6	1107.6	792.6
																												18.25	18.25	16.6	16.6	27.0	19.3
																												70.178	70.178	63.752	63.752	75.0407	

STAFF INCHARGE

PRINCIPAL
SIET. TUMKUR.

HOD

HOD
Department of AI&DS
SIET Tumakuru

Sri Shridevi Charitable Trust (R.)
SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY
Sira Road, Tumkur - 572 106, Karnataka, India.
Phone: 0816 - 2212629 | Principal: 0816 - 2212627, 9686114899 | Telefax: 0816 - 2212628
Email: info@shridevengineering.org, principal@shridevengineering.org | Website: www.shridevengineering.org
(Approved by AICTE, New Delhi, Recognised by Govt. of Karnataka and Affiliated to Visvesvaraya Technological University, Belagavi)
ESTD:2002
20 YEARS Academic Excellence

Department of Artificial Intelligence and Data Science

COURSE OUTCOME

CO1. To Know the meaning of Engineering Research.
CO2. To Know the procedure of lecturer review and technical reading.
CO3. To know the fundamentals of patent laws and drafting procedure.
CO4. Understand thecopyright laws and subject matters of copyrights and designs.
CO5: Understanding the basic principles of design rights.

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 forsustainable 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.

PRINCIPAL
SIET. TUMKUR.

COLLEGE	SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY				
FACULTY NAME	MRS. SHRUTHI S				
BRANCH	AI&DS	ACADEMIC YEAR	2023-24		
COURSE	B.E	SEMESTER	V	SECTION	-
SUBJECT	RESEARCH METHODOLOGY & INTELLECTUAL PROPERTY RIGHTS	SUBJECT CODE	21RMI56		

CO & PO MAPPING

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	2	2	2	2	2	2	–	–	2	1	–	1	1	-	1
CO2	2	2	2	2	2	–	–	2	2	1	–	1	1	-	1
CO3	2	2	2	2	2	–	-	2	2	1	–	1	1	-	1
CO4	2	2	2	2	2	2	–	2	2	1	–	1	1	-	1
CO5	2	2	2	2	2	2	–	2	2	1	–	1	1	-	1
AVERAGE	**2**	**2**	**2**	**2**	**2**	**2**	**–**	**2**	**2**	**1**	**–**	**1**	**1**	**-**	**1**
OVERALL MAPPING OF SUBJECT												2.33			

CO - PO ATTAINMENT

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	77.5	1.55	1.55	1.55	1.55	1.55	1.55	-	-	1.55	0.77	-	0.77	0.77	-	0.77
CO2	77.5	1.55	1.55	1.55	1.55	1.55	-	-	1.55	1.55	0.77	-	0.77	0.77	-	0.77
CO3	71.1	1.42	1.42	1.42	1.42	1.42	-	-	1.42	1.42	0.71	-	0.71	0.71	-	0.71
CO4	71.1	1.42	1.42	1.42	1.42	1.42	1.42	-	1.42	1.42	0.71	-	0.71	0.71	-	0.71
CO5	80.3	1.6	1.6	1.6	1.6	1.6	1.6	-	1.6	1.6	0.8	-	0.8	0.8	-	0.8
AVERAGE		2.51	1.50	2.51	1.50	1.56	1.52		1.48	1.50	0.75		0.75	0.75	-	0.75
FINAL ATTAINMENT LEVEL													1.42			

PRINCIPAL
SIET. TUMKUR.

STAFF INCHARGE

HOD
Department of AI&DS
SIET Tumakuru

Sri Shridevi Charitable Trust (R.)
SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY
Sira Road, Tumkur - 572 106, Karnataka, India.
Phone: 0816 - 2212629 | Principal: 0816 - 2211627, 9686114899 | Telefax: 0816 - 2212628
Email: info@shridevienginеering.org, principal@shridevienginеering.org | Website: www.shridevienginеering.org
(Approved by AICTE, New Delhi, Recognised by Govt. of Karnataka and Affiliated to Visvesvaraya Technological University, Belagavi)
ESTD: 2002

DEPARTMENT OF ARTIFICIAL INTILLIGENCE AND DATA SCIENCE 2023-24

V SEM — 21RMI56 — 2023-24 ODD — FACULTY: Mrs Shruthi S — RM

Roll No.	USN	Name	T1	T2	T3	T1 CO1-10	T1 CO2-10	T2 CO3-10	T2 CO4-10	T3 CO5-20	ASSIGNMENT 10/3 CO1-2	CO2-2	CO3-2	CO4-2	CO5-2	Seminar -20/5 CO1-4	CO2-4	CO3-4	CO4-4	CO5-4	SEE	SEE CO1-10	SEE CO2-10	SEE CO3-10	SEE CO4-10	SEE CO5-10	Final CO1-26	Final CO2-26	Final CO3-26	Final CO4-26	Final CO5-36	TOTAL
1	1SV21AD001	ARUN KUMAR G T	14	10	15	7	7	5	5	15	2	2	2	2	2	4	4	4	4	4	28	5.60	5.60	5.60	5.60	5.60	18.60	18.60	16.6	16.6	26.6	19.4
2	1SV21AD002	BHARATH KUMAR P	15	10	20	7.5	7.5	5	5	20	2	2	2	2	2	4	4	4	4	4	29	5.80	5.80	5.80	5.80	5.80	19.30	19.30	16.8	16.8	31.8	20.8
3	1SV21AD003	BHAVANA C	17	14	20	8.5	8.5	7	7	20	2	2	2	2	2	4	4	4	4	4	32	6.40	6.40	6.40	6.40	6.40	20.90	20.90	19.4	19.4	32.4	22.6
4	1SV21AD004	CHANDANA K	17	20	20	8.5	8.5	10	10	20	2	2	2	2	2	4	4	4	4	4	12	2.40	2.40	2.40	2.40	2.40	16.90	16.90	18.4	18.4	28.4	19.8
5	1SV21AD005	DARSHAN C N	17	8	20	8.5	8.5	4	4	20	2	2	2	2	2	4	4	4	4	4	28	5.60	5.60	5.60	5.60	5.60	20.10	20.10	15.6	15.6	31.6	20.6
6	1SV21AD006	DARSHAN G K	18	10	20	9	9	5	5	20	2	2	2	2	2	4	4	4	4	4	33	6.60	6.60	6.60	6.60	6.60	21.60	21.60	17.6	17.6	32.6	22.2
7	1SV21AD008	FAIZ AHMED	15	10	9	7.5	7.5	5	5	9	2	2	2	2	2	4	4	4	4	4	12	2.40	2.40	2.40	2.40	2.40	15.90	15.90	13.4	13.4	17.4	15.2
8	1SV21AD009	FATHIMA MUSKAN	19	20	20	9.5	9.5	10	10	20	2	2	2	2	2	4	4	4	4	4	45	9.00	9.00	9.00	9.00	9.00	24.50	24.50	25.0	25.0	35.0	26.8
9	1SV21AD010	H R SUDEEP KUMAR	17		20	8.5	8.5	0	0	20	2	2	2	2	2	4	4	4	4	4	31	6.20	6.20	6.20	6.20	6.20	20.70	20.70	12.2	12.2	32.2	19.6
10	1SV21AD011	HEENA KOUSAR	15	10	9	7.5	7.5	5	5	9	2	2	2	2	2	4	4	4	4	4	30	6.00	6.00	6.00	6.00	6.00	19.50	19.50	17.0	17.0	21.0	18.8
11	1SV21AD012	LALITHA TM	19	12	19	9.5	9.5	6	6	19	2	2	2	2	2	4	4	4	4	4	29	5.80	5.80	5.80	5.80	5.80	21.30	21.30	17.8	17.8	30.8	21.8
12	1SV21AD013	LOKESH MURTHY V M	13	16	15	6.5	6.5	8	8	15	2	2	2	2	2	4	4	4	4	4	27	5.40	5.40	5.40	5.40	5.40	17.90	17.90	19.4	19.4	26.4	20.2
13	1SV21AD015	MEGHANA C N	18	14	20	9	9	7	7	20	2	2	2	2	2	4	4	4	4	4	35	7.00	7.00	7.00	7.00	7.00	22.00	22.00	20.0	20.0	33.0	23.4
14	1SV21AD016	MOHAMMED AMEEN T Z	18	8	15	9	9	4	4	15	2	2	2	2	2	4	4	4	4	4	27	5.40	5.40	5.40	5.40	5.40	20.40	20.40	15.4	15.4	26.4	19.6
15	1SV21AD017	MOHAMMED NOUMAN USMANI	15	20	15	7.5	7.5	10	10	15	2	2	2	2	2	4	4	4	4	4	22	4.40	4.40	4.40	4.40	4.40	17.90	17.90	20.4	20.4	25.4	20.4
16	1SV21AD019	MUHANNAD KHAN	18	9	15	9	9	4.5	4.5	15	2	2	2	2	2	4	4	4	4	4	18	3.60	3.60	3.60	3.60	3.60	18.60	18.60	14.1	14.1	24.6	18.0
17	1SV21AD020	MUTHAHIREEN	17	16	20	8.5	8.5	8	8	20	2	2	2	2	2	4	4	4	4	4	39	7.80	7.80	7.80	7.80	7.80	22.30	22.30	21.8	21.8	33.8	24.4
18	1SV21AD021	NIRANJAN K V	20	19	20	10	10	9.5	9.5	20	2	2	2	2	2	4	4	4	4	4	29	5.80	5.80	5.80	5.80	5.80	21.80	21.80	21.3	21.3	31.8	23.6
19	1SV21AD022	NOOR UL HUDA	20	16	20	10	10	8	8	20	2	2	2	2	2	4	4	4	4	4	37	7.40	7.40	7.40	7.40	7.40	23.40	23.40	21.4	21.4	33.4	24.6
20	1SV21AD023	PRADEEP N	17	7	15	8.5	8.5	3.5	3.5	15	2	2	2	2	2	4	4	4	4	4	22	4.40	4.40	4.40	4.40	4.40	18.90	18.90	13.9	13.9	25.4	18.2
21	1SV21AD024	PRAJWAL S	12	9	18	6	6	4.5	4.5	18	2	2	2	2	2	4	4	4	4	4	15	3.00	3.00	3.00	3.00	3.00	15.00	15.00	13.5	13.5	27.0	16.8
22	1SV21AD025	PRASHANTH G M	15		20	7.5	7.5	0	0	20	2	2	2	2	2	4	4	4	4	4	18	3.60	3.60	3.60	3.60	3.60	17.10	17.10	9.6	9.6	29.6	16.6
23	1SV21AD026	RAJNISH PRASAD KALWAR	20	20	20	10	10	10	10	20	2	2	2	2	2	4	4	4	4	4	35	7.00	7.00	7.00	7.00	7.00	23.00	23.00	23.0	23.0	33.0	25.0
24	1SV21AD027	RAKSHITH BRK	15	15	17	7.5	7.5	7.5	7.5	17	2	2	2	2	2	4	4	4	4	4	32	6.40	6.40	6.40	6.40	6.40	19.90	19.90	19.9	19.9	29.4	21.8
25	1SV21AD028	RAMYASHREE M	17	18	18	8.5	8.5	9	9	18	2	2	2	2	2	4	4	4	4	4	41	8.20	8.20	8.20	8.20	8.20	22.70	22.70	23.2	23.2	32.2	24.8
26	1SV21AD029	REKHA H	13	12	15	6.5	6.5	6	6	15	2	2	2	2	2	4	4	4	4	4	40	8.00	8.00	8.00	8.00	8.00	20.50	20.50	20.0	20.0	29.0	22.0
27	1SV21AD030	SHIFA KOUSER	11	12	18	5.5	5.5	6	6	18	2	2	2	2	2	4	4	4	4	4	29	5.80	5.80	5.80	5.80	5.80	17.30	17.30	17.8	17.8	29.8	20.0
28	1SV21AD031	SRINIDHI SH	15	15	14	7.5	7.5	7.5	7.5	14	2	2	2	2	2	4	4	4	4	4	22	4.40	4.40	4.40	4.40	4.40	17.90	17.90	17.9	17.9	24.4	19.2
29	1SV21AD032	SUHAS J K	16	16	14	8	8	8	8	14	2	2	2	2	2	4	4	4	4	4	40	8.00	8.00	8.00	8.00	8.00	22.00	22.00	22.0	22.0	28.0	23.2
30	1SV21AD033	SWAMY H R	18	5	20	9	9	2.5	2.5	20	2	2	2	2	2	4	4	4	4	4	34	6.80	6.80	6.80	6.80	6.80	21.80	21.80	15.3	15.3	32.8	21.4
31	1SV21AD034	SYEDA UROOJ FATHIMA	20	15	20	10	10	7.5	7.5	20	2	2	2	2	2	4	4	4	4	4	22	4.40	4.40	4.40	4.40	4.40	20.40	20.40	17.9	17.9	30.4	21.4
32	1SV21AD035	SYEEDA FATHIMUZ ZOHARA	20	20	15	10	10	10	10	15	2	2	2	2	2	4	4	4	4	4	35	7.00	7.00	7.00	7.00	7.00	23.00	23.00	23.0	23.0	28.0	24.0
33	1SV21AD036	ULLAS P M	10	10	12	5	5	5	5	12	2	2	2	2	2	4	4	4	4	4	23	4.60	4.60	4.60	4.60	4.60	15.60	15.60	15.6	15.6	22.6	17.0
34	1SV21AD037	VIDYA SHREE A	20	20	20	10	10	10	10	20	2	2	2	2	2	4	4	4	4	4	31	6.20	6.20	6.20	6.20	6.20	22.20	22.20	22.2	22.2	32.2	24.2
35	1SV21AD038	VINAY KUMAR	20	20	20	10	10	10	10	20	2	2	2	2	2	4	4	4	4	4	38	7.60	7.60	7.60	7.60	7.60	23.60	23.60	23.6	23.6	33.6	25.6
36	1SV21AD039	VYSHNAVI P	20	20	20	10	10	10	10	20	2	2	2	2	2	4	4	4	4	4	23	4.60	4.60	4.60	4.60	4.60	20.60	20.60	20.6	20.6	30.6	22.6
37	1SV21AD040	ZEESHAN PASHA	10	11	11	5	5	5.5	5.5	11	2	2	2	2	2	4	4	4	4	4	32	6.40	6.40	6.40	6.40	6.40	17.40	17.40	17.9	17.9	23.4	18.8

PRINCIPAL
SIET. TUMKUR.

| | | |

Sri Shridevi Charitable Trust (R.)
SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY
Sira Road, Tumkur - 572 106, Karnataka, India.
Phone: 0816 - 2212629 | Principal: 0816 - 2212627, 9686114899 | Telefax: 0816 - 2212628
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)

Department of Artificial Intelligence and Data Science

COURSE OUTCOME

CO 1. Identify, analyze and define database objects, enforce integrity constraints on a database using RDBMS

CO 2. Use Structured Query Language (SQL) for database manipulation and also demonstrate the basic of query evaluation.

CO 3. Design and build simple database systems and relate the concept of transaction, concurrency control and recovery in database.

CO 4. Develop application to interact with databases, relational algebra expression

CO 5. Develop applications using tuple and domain relation expression from queries

PROGRAM OUTCOMES

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

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

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

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

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

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

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

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

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

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

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

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

PRINCIPAL
SIET. TUMKUR.

COLLEGE	SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY				
FACULTY NAME	Mrs. MONIKA M				
BRANCH	AI & DS	ACADEMIC YEAR	2023-24		
COURSE	B.E	SEMESTER	V	SECTION	-
SUBJECT	DATABASE MANAGEMENT &SYSTEMS	SUBJECT CODE	21CS53		

CO & PO MAPPING

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	2	2	2	-	2	–	–	–	–	–	–	2	1	1	1
CO2	2	3	3	-	2	–	–	–	–	–	–	2	1		1
CO3	3	3	3	-	3	–	–	–	–	–	–	2		2	1
CO4	3	3	3	-	3	–	–	–	–	–	–	2	1		2
CO5	**2.5**	**2.75**	**2.75**	**-**	**2.5**	**–**	**–**	**–**	**–**	**–**	**–**	**2**	**1**	**1**	**1.25**
AVERAGE	2	2	2	-	2	–	–	–	–	–	–	2	1	1	1
OVERALL MAPPING OF SUBJECT												1.31			

CO - PO ATTAINMENT

	CO%	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	61.2	1.22	1.22	1.22	-	1.22	–	–	–	–	–	–	1.22	0.61	0.61	0.61
CO2	61.2	1.22	1.83	1.83	-	1.22	–	–	–	–	–	–	1.22	0.61		0.61
CO3	62.5	1.87	1.87	1.87	-	1.87	–	–	–	–	–	–	1.25		1.25	0.62
CO4	62.5	1.87	1.87	1.87	-	1.87	–	–	–	–	–	–	1.25	0.62		1.25
CO5	67.3	1.67	1.85	1.85	-	1.67	–	–	–	–	–	–	1.34	0.67	0.67	0.84
AVERAGE		1.32	1.57	1.728	1.728		1.57							1.256	0.62	0.84
FINAL ATTAINMENT LEVEL													1.06			

STAFF INCHARGE

PRINCIPAL
SIET, TUMKUR.

HOD
Department of AI&DS
SIET Tumakuru

HOD

Sri Shridevi Charitable Trust (R.)
SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY
Sira Road, Tumkur - 572 106, Karnataka, India.
Phone: 0816 - 2212629 | Principal: 0816 - 2212627, 9686114899 | Telefax: 0816 - 2212628
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 ARTIFICIAL INTILLIGENCE AND DATA SCIENCE 2023-24

V SEM | 21CS53 | 2023-24 ODD | Faculty: Mrs.MONIKA M | DBMS

oll No.	USN	Name	T1	T2	T3	T1 10	T1 CO2-10	T2 10	T2 CO4-10	T3 CO5-20	ASSIGNMENT 10/3 CO1-2	CO2-2	CO3-2	CO4-2	CO5-2	Quiz	Quiz -20/5 CO1-4	CO2-4	CO3-4	4	CO5-4	SEE	SEE CO1-10	SEE CO2-10	SEE CO3-10	SEE CO4-10	SEE CO5-10	Final- CO1-26	Final- CO2-26	Final- CO3-26	Final- CO4-26	Final- CO5-36	TOTAL
1	1	ARUN KUMAR G T	7	8	8	3.5	3.5	4	4	8	2	2	2	2	2	8	1.6	1.6	1.6	1.6	1.6	19	3.80	3.80	3.80	3.80	3.80	10.90	10.90	11.4	11.4	15.4	12.0
2	1SV21AD002	BHARATH KUMAR P	12	15	14	6	6	7.5	7.5	14	2	2	2	2	2	14	2.8	2.8	2.8	2.8	2.8	29	5.80	5.80	5.80	5.80	5.80	16.60	16.60	18.1	18.1	24.6	18.8
3	3	BHAVANA C	15	17	18	7.5	7.5	8.5	8.5	18	2	2	2	2	2	17	3.4	3.4	3.4	3.4	3.4	18	3.60	3.60	3.60	3.60	3.60	16.50	16.50	17.5	17.5	27.0	19.0
4	4	CHANDANA K	18	14	17	9	9	7	7	17	2	2	2	2	2	17	3.4	3.4	3.4	3.4	3.4	28	5.60	5.60	5.60	5.60	5.60	20.00	20.00	18.0	18.0	28.0	20.8
5	5	DARSHAN C N	15	10	13	7.5	7.5	5	5	13	2	2	2	2	2	13	2.6	2.6	2.6	2.6	2.6	10	2.00	2.00	2.00	2.00	2.00	14.10	14.10	11.6	11.6	19.6	14.2
6	6	DARSHAN G K	16	8	7	8	8	4	4	7	2	2	2	2	2	11	2.2	2.2	2.2	2.2	2.2	18	3.60	3.60	3.60	3.60	3.60	15.80	15.80	11.8	11.8	14.8	14.0
7	8	FAIZ AHMED	10	8	0	5	5	4	4	0	2	2	2	2	2	2	0.4	0.4	0.4	0.4	0.4	8	1.60	1.60	1.60	1.60	1.60	9.00	9.00	8.0	8.0	4.0	7.6
8	1SV21AD009	FATHIMA MUSKAN	13	19	20	6.5	6.5	9.5	9.5	20	2	2	2	2	2	18	3.6	3.6	3.6	3.6	3.6	37	7.40	7.40	7.40	7.40	7.40	19.50	19.50	22.5	22.5	33.0	23.4
9	1SV21AD010	H R SUDEEP KUMAR	12	9	3	6	6	4.5	4.5	3	2	2	2	2	2	8	1.6	1.6	1.6	1.6	1.6	26	5.20	5.20	5.20	5.20	5.20	14.80	14.80	13.3	13.3	11.8	13.6
10	1	HEENA KOUSAR	15	14	10	7.5	7.5	7	7	10	2	2	2	2	2	13	2.6	2.6	2.6	2.6	2.6	18	3.60	3.60	3.60	3.60	3.60	15.70	15.70	15.2	15.2	18.2	16.0
11	2	LALITHA TM	19	20	20	9.5	9.5	10	10	20	2	2	2	2	2	20	4	4	4	4	4	32	6.40	6.40	6.40	6.40	6.40	21.90	21.90	22.4	22.4	32.4	24.2
12	1SV21AD013	LOKESH MURTHY V M	12	6	17	6	6	3	3	17	2	2	2	2	2	12	2.4	2.4	2.4	2.4	2.4	21	4.20	4.20	4.20	4.20	4.20	14.60	14.60	11.6	11.6	25.6	15.6
13	5	MEGHANA C N	19	11	20	9.5	9.5	5.5	5.5	20	2	2	2	2	2	17	3.4	3.4	3.4	3.4	3.4	25	5.00	5.00	5.00	5.00	5.00	19.90	19.90	15.9	15.9	30.4	20.4
14	1SV21AD016	MOHAMMED AMEEN T Z	13	18	15	6.5	6.5	9	9	15	2	2	2	2	2	16	3.2	3.2	3.2	3.2	3.2	36	7.20	7.20	7.20	7.20	7.20	18.90	18.90	21.4	21.4	27.4	21.6
15	1SV21AD017	MOHAMMED NOUMAN USMANI	18	15	15	9	9	7.5	7.5	15	2	2	2	2	2	16	3.2	3.2	3.2	3.2	3.2	12	2.40	2.40	2.40	2.40	2.40	16.60	16.60	15.1	15.1	22.6	17.2
16	1SV21AD019	MUHANNAD KHAN	14	11	20	7	7	5.5	5.5	20	2	2	2	2	2	15	3	3	3	3	3	28	5.60	5.60	5.60	5.60	5.60	17.60	17.60	16.1	16.1	30.6	19.6
17	0	MUTHAHIREEN	19	20	20	9.5	9.5	10	10	20	2	2	2	2	2	20	4	4	4	4	4	28	5.60	5.60	5.60	5.60	5.60	21.10	21.10	21.6	21.6	31.6	23.4
18	1	NIRANJAN K V	10	15	20	5	5	7.5	7.5	20	2	2	2	2	2	15	3	3	3	3	3	26	5.20	5.20	5.20	5.20	5.20	15.20	15.20	17.7	17.7	30.2	19.2
19	2	NOOR UL HUDA	14	20	20	7	7	10	10	20	2	2	2	2	2	18	3.6	3.6	3.6	3.6	3.6	27	5.40	5.40	5.40	5.40	5.40	18.00	18.00	21.0	21.0	31.0	21.8
20	3	PRADEEP N	12	10	15	6	6	5	5	15	2	2	2	2	2	13	2.6	2.6	2.6	2.6	2.6	23	4.60	4.60	4.60	4.60	4.60	15.20	15.20	14.2	14.2	24.2	16.6
21	4	PRAJWAL S	6	8	9	3	3	4	4	9	2	2	2	2	2	8	1.6	1.6	1.6	1.6	1.6	11	2.20	2.20	2.20	2.20	2.20	8.80	8.80	9.8	9.8	14.8	10.4
22	5	PRASHANTH G M	14	15	19	7	7	7.5	7.5	19	2	2	2	2	2	16	3.2	3.2	3.2	3.2	3.2	7	1.40	1.40	1.40	1.40	1.40	13.60	13.60	14.1	14.1	25.6	16.2
23	1SV21AD026	RAJNISH PRASAD KALWAR	17	18	20	8.5	8.5	9	9	20	2	2	2	2	2	19	3.8	3.8	3.8	3.8	3.8	33	6.60	6.60	6.60	6.60	6.60	20.90	20.90	21.4	21.4	32.4	23.4
24	7	RAKSHITH BRK	9	15	12	4.5	4.5	7.5	7.5	12	2	2	2	2	2	12	2.4	2.4	2.4	2.4	2.4	14	2.80	2.80	2.80	2.80	2.80	11.70	11.70	14.7	14.7	19.2	14.4
25	8	RAMYASHREE M	19	15	17	9.5	9.5	7.5	7.5	17	2	2	2	2	2	17	3.4	3.4	3.4	3.4	3.4	33	6.60	6.60	6.60	6.60	6.60	21.50	21.50	19.5	19.5	29.0	22.2
26	9	REKHA H	8	13	14	4	4	6.5	6.5	14	2	2	2	2	2	12	2.4	2.4	2.4	2.4	2.4	34	6.80	6.80	6.80	6.80	6.80	15.20	15.20	17.7	17.7	25.2	18.2
27	0	SHIFA KOUSER	9	15	13	4.5	4.5	7.5	7.5	13	2	2	2	2	2	13	2.6	2.6	2.6	2.6	2.6	43	8.60	8.60	8.60	8.60	8.60	17.70	17.70	20.7	20.7	26.2	20.6
28	1	SRINIDHI SH	7	13	10	3.5	3.5	6.5	6.5	10	2	2	2	2	2	10	2	2	2	2	2	18	3.60	3.60	3.60	3.60	3.60	11.10	11.10	14.1	14.1	17.6	13.6
29	2	SUHAS J K	8	9	9	4	4	4.5	4.5	9	2	2	2	2	2	11	2.2	2.2	2.2	2.2	2.2	30	6.00	6.00	6.00	6.00	6.00	14.20	14.20	14.7	14.7	19.2	15.4
30	3	SWAMY H R	14	7	10	7	7	3.5	3.5	10	2	2	2	2	2	14	2.8	2.8	2.8	2.8	2.8	31	6.20	6.20	6.20	6.20	6.20	18.00	18.00	14.5	14.5	21.0	17.2
31	1SV21AD034	SYEDA UROOJ FATHIMA	6	16	18	3	3	8	8	18	2	2	2	2	2	14	2.8	2.8	2.8	2.8	2.8	30	6.00	6.00	6.00	6.00	6.00	13.80	13.80	18.8	18.8	28.8	18.8
32	1SV21AD035	SYEEDA FATHIMUZ ZOHARA	11	18	20	5.5	5.5	9	9	20	2	2	2	2	2	17	3.4	3.4	3.4	3.4	3.4	36	7.20	7.20	7.20	7.20	7.20	18.10	18.10	21.6	21.6	32.6	22.4
33	6	ULLAS P M	15	9	3	7.5	7.5	4.5	4.5	3	2	2	2	2	2	9	1.8	1.8	1.8	1.8	1.8	5	1.00	1.00	1.00	1.00	1.00	12.30	12.30	9.3	9.3	7.8	10.2
34	7	VIDYA SHREE A	16	11	18	8	8	5.5	5.5	18	2	2	2	2	2	15	3	3	3	3	3	25	5.00	5.00	5.00	5.00	5.00	18.00	18.00	15.5	15.5	28.0	19.0
35	8	VINAY KUMAR	19	20	20	9.5	9.5	10	10	20	2	2	2	2	2	20	4	4	4	4	4	31	6.20	6.20	6.20	6.20	6.20	21.70	21.70	22.2	22.2	32.2	24.0
36	9	VYSHNAVI P	12	20	20	6	6	10	10	20	2	2	2	2	2	18	3.6	3.6	3.6	3.6	3.6	33	6.60	6.60	6.60	6.60	6.60	18.20	18.20	22.2	22.2	32.2	22.6
37	0	ZEESHAN PASHA	2	6	9	1	1	3	3	9	2	2	2	2	2	6	1.2	1.2	1.2	1.2	1.2	3	0.60	0.60	0.60	0.60	0.60	4.80	4.80	6.8	6.8	12.8	7.2
38	0	Gowtham K M	5	14	20	2.5	2.5	7	7	20	2	2	2	2	2	13	2.6	2.6	2.6	2.6	2.6	27	5.40	5.40	5.40	5.40	5.40	12.50	12.50	17.0	17.0	30.0	17.8

39	1	Shantha T R	4	13	10	2	2	6.5	6.5	10	2	2	2	2	2	9	1.8	1.8	1.8	1.8	1.8	18	3.60	3.60	3.60	3.60	3.60	9.40	9.40	13.9	13.9	17.4	12.8
40	2	Srinivasalu V	17	6	19	8.5	8.5	3	3	19	2	2	2	2	2	14	2.8	2.8	2.8	2.8	2.8	27	5.40	5.40	5.40	5.40	5.40	18.70	18.70	13.2	13.2	29.2	18.6
41	3	T M Yuvaprasad	18	19	19	9	9	9.5	9.5	19	2	2	2	2	2	19	3.8	3.8	3.8	3.8	3.8	29	5.80	5.80	5.80	5.80	5.80	20.60	20.60	21.1	21.1	30.6	22.8
																												652.70	652.70	667.2	667.2	994.2	726.8
																												15.92	15.92	16.3	16.3	24.2	17.7
																												61.23	61.23	62.59	62.59	67.36	

STAFF INCHRAGE

PRINCIPAL
SIET. TUMKUR.

HOD

HOD
Department of AI&DS
SIET Tumakuru