



Adusumilli Gopalakrishnaiah & Sugarcane Growers Siddhartha Degree College of Arts & Science

Vuyyuru-521165, Krishna District, Andhra Pradesh
Managed by: Siddhartha Academy of General & Technical Education, Vijayawada-10

An Autonomous college in the jurisdiction of Krishna University

Accredited by NAAC with "A" Grade * An ISO 9001: 2005 Certified Institution

2.6.1: The institution has stated learning outcomes (Programme and course outcome)/graduate attributes which are integrated into the assessment process and widely publicized through the website and other documents and the **attainment** of the same are evaluated by the institution

Attainment of Programme and Course Outcomes

Class : M.Sc. (Organic Chemistry)

Batch: 2021-23

Course Code	CO's	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CH1T1	CO1	L	H			M		
	CO2	L	H				L	
	CO3	H	M					M
	CO4	H	M					M
	CO5	H	H					M
CH1T2	CO1		M					
	CO2	H						L
	CO3	H			M			
	CO4	M						L
CH1T3	CO1		M					
	CO2		M					M
	CO3	H						M
	CO4	H				M		
CH1T4	CO1		M					
	CO2	H						M
	CO3	H					H	
	CO4	H						M
CH1L1	CO1	H						M
	CO2		H				H	
	CO3	H				M		
	CO4	H			H			
CH1L2	CO1		M			L	H	
	CO2	H						M
	CO3	H				M		M
	CO4	H				H	H	
20CH2T1	CO1		H					M
	CO2	H	M			L		
	CO3	H				L		M
	CO4	H	H		M			
20CH2T2	CO1		M					M
	CO2	H	H				M	
	CO3	H	M					M
	CO4	H	M	M				
	CO5	H	M					M
20CH2T3	CO1		M					M
	CO2	H	H	M				
	CO3	H				M	H	
	CO4	H			M			M
20CH2T4	CO1	M	H					M
	CO2	H	H					M
	CO3	H	H		M			
	CO4	H	M					H
	CO5	H	H					M
20OECH	CO1		M					M
	CO2	M	M				M	
	CO3	H			M			M
CH2L1	CO1					M	H	
	CO2		H	L				
	CO3	H						M
	CO4	H				M		
CH2L2	CO1	H	H			M		
	CO2	H	H			M		
	CO3			M		L		
	CO4	H	M		L			

20CH3T1	CO1	M	H					M
	CO2	H					M	H
	CO3	H				L		M
	CO4	H			M			M
20CH3T2	CO1		H					
	CO2	H						M
	CO3	H				M	H	
	CO4	H			M			H
20CH3T3	CO1		H					
	CO2	H						M
	CO3	H			M		H	
	CO4	H		M		M		
20CH3T4	CO1		H					
	CO2	H						M
	CO3	H					H	
	CO4	H						M
20OECH-2	CO1		M					M
	CO2	M						M
	CO3	H					H	H
CH3L1	CO1		H					M
	CO2	H	M					
	CO3			L	M		H	
CH3L2	CO1		H				H	M
	CO2	H				M		
	CO3	H					M	M
20CH4T1	CO1		M					M
	CO2	H		H				M
	CO3	H			M		H	
	CO4	H				M		M
20CH4T2	CO1		H					M
	CO2	H				L		M
	CO3	H			M		M	
	CO4	H		M				
20CH4T3	CO1		H					M
	CO2	H			M		H	
	CO3	H		M				M
	CO4	H				M		L
20CH4T4	CO1		H					M
	CO2	H		L				M
	CO3	H		M			H	
	CO4	H				M	H	
CH4L1	CO1	H		L		M		
	CO2	H					M	M
	CO3	H			M		H	
	CO4	H					H	
CH4L2	CO1	H		M	L			M
	CO2	H	H					M
	CO3	H			M	H		
	CO4	H	H					M
	H	72	26	1	1	2	18	4
	M	5	20	8	14	16	6	45
	L	2	0	4	2	6	1	3
Total weightage of the course		665	294	37	53	72	181	174
CH1T1	C.Weightage	4.36	11.22	0.00	0.00	4.17	0.55	0.00
CH1T2	C.Weightage	3.16	1.02	0.00	5.66	0.00	0.00	1.15
CH1T3	C.Weightage	2.71	2.04	0.00	0.00	4.17	0.00	3.45
CH1T4	C.Weightage	4.06	1.02	0.00	0.00	0.00	4.97	3.45
CH1L1	C.Weightage	4.06	3.06	0.00	16.98	4.17	4.97	1.72
CH1L2	C.Weightage	4.06	1.02	0.00	0.00	18.06	9.94	3.45
CH2T1	C.Weightage	4.06	7.14	0.00	5.66	2.78	0.00	3.45
CH2T2	C.Weightage	5.41	7.14	8.11	0.00	0.00	1.66	5.17
CH2T3	C.Weightage	4.06	4.08	8.11	5.66	4.17	4.97	3.45
CH2T4	C.Weightage	5.86	13.27	0.00	5.66	0.00	0.00	10.34
20OECH	C.Weightage	1.80	2.04	0.00	5.66	0.00	1.66	3.45
CH2L1	C.Weightage	2.71	3.06	2.70	0.00	8.33	4.97	1.72
CH2L2	C.Weightage	4.06	7.14	8.11	1.89	9.72	0.00	0.00
CH3T1	C.Weightage	4.51	3.06	0.00	5.66	1.39	1.66	10.34
CH3T2	C.Weightage	4.06	3.06	0.00	5.66	4.17	4.97	6.90
CH3T3	C.Weightage	4.06	3.06	8.11	5.66	4.17	4.97	1.72
CH3T4	C.Weightage	4.06	3.06	0.00	0.00	0.00	4.97	3.45
20OECH-2	C.Weightage	1.80	1.02	0.00	0.00	0.00	4.97	8.62

CH3L1	C.Weightage	1.35	4.08	2.70	5.66	0.00	4.97	1.72
CH3L2	C.Weightage	2.71	3.06	0.00	0.00	4.17	6.63	3.45
CH4T1	C.Weightage	4.06	1.02	24.32	5.66	4.17	4.97	5.17
CH4T2	C.Weightage	4.06	3.06	8.11	5.66	1.39	1.66	3.45
CH4T3	C.Weightage	4.06	3.06	8.11	5.66	4.17	4.97	4.02
CH4T4	C.Weightage	4.06	3.06	10.81	0.00	4.17	9.94	3.45
CH4L1	C.Weightage	5.41	0.00	2.70	5.66	4.17	11.60	1.72
CH4L2	C.Weightage	5.41	6.12	8.11	7.55	12.50	0.00	5.17
		100.00	100.00	100.00	100.00	100.00	100.00	100.00

Weighted Contribution of the course in attainment of POs						
PO1	PO2	PO3	PO4	PO5	PO6	PO7
3.73	9.61	0.00	0.00	3.57	0.47	0.00
2.59	0.84	0.00	4.63	0.00	0.00	0.94
2.09	1.57	0.00	0.00	3.21	0.00	2.66
3.66	0.92	0.00	0.00	0.00	4.48	3.11
3.96	2.98	0.00	16.56	4.06	4.85	1.68
3.86	0.97	0.00	0.00	17.15	9.45	3.28
3.86	6.78	0.00	5.37	2.64	0.00	3.27
4.78	6.31	7.16	0.00	0.00	1.46	4.57
3.92	3.94	7.82	5.46	4.02	4.79	3.33
5.41	12.24	0.00	5.22	0.00	0.00	9.55
1.66	1.88	0.00	5.22	0.00	1.53	3.18
2.64	2.98	2.64	0.00	8.12	4.85	1.68
3.97	6.99	7.93	1.85	9.51	0.00	0.00
4.35	2.95	0.00	5.46	1.34	1.60	9.98
3.05	2.30	0.00	4.25	3.13	3.74	5.18
3.44	2.59	6.86	4.79	3.53	4.21	1.46
3.74	2.82	0.00	0.00	0.00	4.58	3.18
1.77	1.00	0.00	0.00	0.00	4.88	8.46
1.32	3.98	2.64	5.53	0.00	4.85	1.68
2.64	2.99	0.00	0.00	4.07	6.47	3.37
3.60	0.91	21.58	5.02	3.70	4.41	4.59
3.78	2.85	7.54	5.26	1.29	1.54	3.21
3.79	2.86	7.56	5.28	3.89	4.64	3.75
3.72	2.80	9.89	0.00	3.81	9.10	3.16
5.32	0.00	2.65	5.56	4.09	11.39	1.69
5.24	5.93	7.85	7.30	12.10	0.00	5.01
91.86	91.98	92.12	92.77	93.23	93.29	91.94

CO ATTAINMENT						
S.NO	COURSE	Heads of Passing (% attainment)			Indirect (I)	Average course Attainment
		Direct				
		IA TEST (30M)	SEM END EXAM (70M)	Average % Attainment (D)		
1	General Chemistry	95.65	78.26	83.48	90.47	85.57
2	Inorganic Chemistry	100.00	69.56	78.69	89.28	81.87
3	Organic Chemistry – I	91.30	63.63	71.93	89.28	77.14
4	Physical Chemistry - I	91.30	86.36	87.84	95.23	90.06
5	Inorganic Chemistry Practical	100	100	100.00	91.66	97.50
6	Organic Chemistry Practical - I	100.00	100.00	100.00	83.33	95.00
7	Organic Spectroscopy	91.30	100.00	97.39	89.28	94.96
8	Inorganic Chemistry - II	78.26	91.30	87.39	90.47	88.31
9	Organic Chemistry – II	100.00	100	100.00	88.09	96.43
10	Physical Chemistry - II	78.26	100.00	93.48	89.52	92.29
11	Chemistry in Dially life	88.23	94.10	92.34	92.06	92.26
12	Organic Chemistry Practical - II	100.00	100.00	100.00	91.66	97.50
13	Physical Chemistry Practical	100.00	100.00	100.00	92.85	97.86

14	Advanced Organic Spectroscopy	100.00	100.00	100.00	88.09	96.43
15	Organic Reactions , Mechanisms	100.00	56.52	69.56	88.09	75.12
16	Organic Synthesis	82.60	82.60	82.60	89.28	84.60
17	Chemistry of Natural Products	91.30	95.65	94.35	86.9	92.11
18	Polymer Chemistry	100.00	100.00	100.00	93.65	98.10
19	Organic Preparations	100.00	100.00	100.00	92.06	97.62
20	Mixture Analysis	100.00	100.00	100.00	92.06	97.62
21	MOOCS (Analytical Chemistry)	86.95	86.95	86.95	92.85	88.72
22	Green Chemistry	86.95	95.65	93.04	92.85	92.98
23	Techniques for Modern Industrial applications	78.26	100.00	93.48	92.85	93.29
24	Organometallic reagents	78.26	95.65	90.43	94.02	91.51
25	Organic Estimations	100.00	100.00	100.00	94.02	98.21
26	Project Work	100.00	100.00	100.00	89.28	96.78

PO NO	Question Asked	Response Received	Satisfaction number	% attainment
PO1	Critical Thinking	21	20	95.24
PO2	Effective Communication	21	20	95.24
PO3	Leadership & Teamwork	21	18	85.71
PO4	Global Exposure and Effective Citizenship	21	19	90.48
PO5	Social Responsiveness & Ethics	21	18	85.71
PO6	Knowledge application	21	19	90.48
PO7	Self-directed & lifelong learning	21	19	90.48

PO	Direct Attainment (D)	Indirect Attainment(I)	Final Attainment
1	90.99	95.24	92.27
2	92.09	95.24	93.04
3	92.12	85.71	90.20
4	93.07	90.48	92.29
5	93.23	85.71	90.97
6	93.16	90.48	92.36
7	92.03	90.48	91.57




 Principal
 Adusumilli Gopalakrishnaiah & Sugarcane Growers
 Siddhartha Degree College of Arts & Science,
 Vuyyuru-521 165, Krishna District.

Attainment of Programme and Course Outcomes

Class : M.Sc. (Computer Science)

Batch: 2021-23

Course Code	CO's	PO1	PO2	PO3	PO4	PO5	PO6	PO7
20CS1T1	CO1					H		M
	CO2	L	H			M		
	CO3		H	L	H			
	CO4				H	H		M
	CO5		H		M		L	M
20CS1T2	CO1		M		H			
	CO2		M	L	H			
	CO3		H		M	H		
	CO4	M	H		H			
	CO5	M	H					L
20CS1T3	CO1		H		M	M		
	CO2		H		M			M
	CO3				H	H	M	
	CO4			H		H		
	CO5	M	H				L	
20CS1T4	CO1				H	M		M
	CO2	H						M
	CO3		M		H		L	
	CO4				M			M
	CO5		H	M				M
20CS1T5	CO1		M		H	M		
	CO2		H			M		M
	CO3		M		H			H
	CO4	H	M		M			
	CO5	H	M					L
20CS1L1	CO1					H		M
	CO2	M	H			M		
	CO3				H	M		M
	CO4	H		M		M		
	CO5	H					M	M
20CS1L2	CO1	H	H		M			
	CO2		H		M			M
	CO3	H	H		M			
	CO4	M	H		M			
	CO5				M			H
20CS2T1	CO1		M		H			
	CO2				M			M
	CO3		H		M	L		
	CO4				H	L		
	CO5			L	M			
20CS2T2	CO1		H		M			
	CO2			L	H	M		
	CO3		H		M	M		
	CO4		H		M		L	
	CO5	L	H		M			
20CS2T3	CO1	M			H			H
	CO2	H	M					H
	CO3	M	H		M			
	CO4	M	H					M
	CO5	H	M			M		M
20CS2T4	CO1				H	M	L	
	CO2		H		M			M
	CO3		H		M	M		
	CO4		M					M
	CO5		M			M		
20CS201	CO1		H					M
	CO2		M	H				
	CO3	H	M					
	CO4	M	M	M				

	C05		H		M			
20CS2L1	C01		H		M	L		
	C02		H		M			
	C03		M					M
	C04		M		M			
	C05		M		M			
20CS2L2	C01		M		H			M
	C02		H		M			
	C03		H		M			M
	C04	M	M					H
	C05	M	L					M
20CS3T1	C01				H	M		
	C02		M		M			
	C03	H			M			M
	C04	H			M			M
	C05				H	M		
20CS3T2	C01				H	L		
	C02		M		H	M		
	C03		M		M			M
	C04				H			
	C05				H			M
20CS3T3	C01		H		H			
	C02	M			H			L
	C03	M	H					
	C04	H	M					
	C05		H		M			M
20CS3T4	C01				H	M		
	C02	H	H		M			
	C03	M	H		M			M
	C04				M	M		
	C05	H	M					M
20CS3L1	C01		M		H			
	C02	H	M					M
	C03	M	M					
	C04		M		H			
	C05		M		H			
20CS3L2	C01		M		M			
	C02	H	M					
	C03		M		H			
	C04		H		M			
	C05		H		M			
20CS3OEL2	C01		H					M
	C02		M	H				
	C03	H	M					
	C04	M	M	M				
	C05		H		M			
21MCS401	C01					H	L	M
	C02		H		M	M		
	C03	M	H					M
	C04				M	M		M
	C05	M			H			M
21MCS402	C01		M		H	L		
	C02		M	M	M			
	C03	M	H					
	C04		M		M			
	C05		M		H			
21MCS403	C01		H		M			
	C02		H		M	L		
	C03		M		M			
	C04		M		M	H		
	C05		H		M			
21MCS404	C01		M		H			
	C02		H		H			
	C03	H	M		M			M
	C04				M	H		M

	CO5			M	H	M		
21MCS402L	CO1		M		H			M
	CO2		H		M			
	CO3		H		M			
	CO4		H		M			
	CO5		M		M			M
20CS4P1	CO1	M	M	L	M	M	L	M
	CO2	M	H	M	M	M	L	M
	CO3	M	M	M	M	M	L	M
	CO4	M	H	H	M	M	M	M
	CO5	M	M	L	M	M	L	M
	H	19	52	4	37	9	0	5
	M	24	49	8	60	27	3	45
	L	2	1	6	0	6	10	3
Total weightage of the course		245	616	66	513	168	19	183
20CS1T1	C.Weightage	0.41	4.38	1.52	4.09	12.50	5.26	4.92
20CS1T2	C.Weightage	2.45	5.36	1.52	5.85	5.36	0.00	0.55
20CS1T3	C.Weightage	1.22	4.38	13.64	2.92	12.50	21.05	1.64
20CS1T4	C.Weightage	3.67	1.95	4.55	4.09	1.79	5.26	6.56
20CS1T5	C.Weightage	7.35	3.41	0.00	4.09	3.57	0.00	7.10
20CS1L1	C.Weightage	4.90	1.46	4.55	1.75	10.71	0.00	3.28
20CS1L2	C.Weightage	8.57	5.84	0.00	2.92	0.00	0.00	6.56
20CS2T1	C.Weightage	0.00	1.95	1.52	5.26	1.19	0.00	1.64
20CS2T2	C.Weightage	0.41	5.84	1.52	4.09	3.57	5.26	0.00
20CS2T3	C.Weightage	11.02	3.90	0.00	2.34	1.79	0.00	13.11
20CS2T4	C.Weightage	0.00	3.90	0.00	2.92	5.36	5.26	3.28
20CS2O1	C.Weightage	4.90	4.38	18.18	0.58	0.00	0.00	1.64
20CS2L1	C.Weightage	0.00	4.38	0.00	2.34	0.60	0.00	1.64
20CS2L2	C.Weightage	2.45	4.06	0.00	2.92	0.00	0.00	9.84
20CS3T1	C.Weightage	7.35	0.49	0.00	5.26	3.57	0.00	3.28
20CS3T2	C.Weightage	0.00	0.97	0.00	7.60	2.38	0.00	3.28
20CS3T3	C.Weightage	6.12	4.87	0.00	4.09	0.00	0.00	2.19
20CS3T4	C.Weightage	8.57	8.57	0.00	7.35	2.45	0.00	2.45
20CS3L1	C.Weightage	4.90	2.44	0.00	5.26	0.00	0.00	1.64
20CS3L2	C.Weightage	3.67	0.49	0.00	0.58	0.00	0.00	0.00
20CS3OEL2	C.Weightage	4.90	4.38	18.18	0.58	0.00	0.00	1.64
21MCS4O1	C.Weightage	2.45	2.92	0.00	2.92	8.93	5.26	6.56
21MCS4O2	C.Weightage	1.22	3.41	4.55	4.68	0.60	0.00	0.00
21MCS4O3	C.Weightage	0.00	5.36	0.00	2.92	5.95	0.00	0.00
21MCS4O4	C.Weightage	3.67	2.44	4.55	6.43	7.14	0.00	3.28
21MCS4O2L	C.Weightage	0.00	5.36	0.00	4.09	0.00	0.00	3.28
20CS4P1	C.Weightage	6.12	4.38	25.76	2.92	8.93	36.84	8.20
		96.33	101.27	100.00	100.91	98.88	84.21	97.53

Weighted Contribution of the course in attainment of POs						
PO1	PO2	PO3	PO4	PO5	PO6	PO7
0.31	3.32	1.15	3.10	9.46	3.98	3.72
1.86	4.08	1.15	4.45	4.08	0.00	0.42
0.87	3.10	9.65	2.07	8.85	14.90	1.16
2.65	1.40	3.28	2.95	1.29	3.79	4.73
6.05	2.81	0.00	3.37	2.94	0.00	5.85
4.53	1.35	4.21	1.62	9.92	0.00	3.03
7.84	5.34	0.00	2.67	0.00	0.00	5.99
0.00	1.20	0.93	3.23	0.73	0.00	1.01
0.25	3.64	0.94	2.55	2.22	3.28	0.00
6.90	2.44	0.00	1.46	1.12	0.00	8.21
0.00	1.96	0.00	1.47	2.69	2.64	1.65
4.77	4.27	17.70	0.57	0.00	0.00	1.60
0.00	3.77	0.00	2.01	0.51	0.00	1.41
2.31	3.83	0.00	2.76	0.00	0.00	9.28
5.21	0.35	0.00	3.73	2.53	0.00	2.32
0.00	0.63	0.00	4.94	1.55	0.00	2.13

3.62	2.88	0.00	2.42	0.00	0.00	1.29
5.57	5.57	0.00	4.78	1.59	0.00	1.59
4.28	2.13	0.00	4.60	0.00	0.00	1.43
3.22	0.43	0.00	0.51	0.00	0.00	0.00
4.77	4.27	17.70	0.57	0.00	0.00	1.60
2.34	2.79	0.00	2.79	8.53	5.03	6.26
1.07	2.97	3.96	4.08	0.52	0.00	0.00
0.00	3.99	0.00	2.18	4.44	0.00	0.00
3.01	2.00	3.73	5.28	5.86	0.00	2.69
0.00	5.22	0.00	3.99	0.00	0.00	3.19
5.96	4.27	25.08	2.85	8.69	35.88	7.98
77.39	80.00	89.49	77.00	77.51	69.50	78.54

CO ATTAINMENT

S.NO	COURSE	Heads of Passing (% attainment)			Indirect (I)	Average course Attainment
		Direct				
		IA TEST (30M)	SEM END EXAM (70M)	Average % Attainment (D)		
1	Problem Solving using Python Programming	70.58	70.58	70.58	87.5	75.66
2	Computer Organization	58.82	76.47	71.18	87.5	76.07
3	Software Engineering	23.52	82.35	64.70	85	70.79
4	D B M S	17.64	88.23	67.05	83.75	72.06
5	Theory of Computation	94.11	76.47	81.76	83.75	82.36
6	Problem Solving using Python Programming Lab	82.35	100.00	94.71	87.5	92.54
7	DBMS Lab	82.35	100	94.71	83.75	91.42
8	COMPUTER NETWORKS	52.94	52.94	52.94	81.25	61.43
9	DS	58.82	52.94	54.70	80	62.29
10	Web Technologies	52.94	52.94	52.94	85.05	62.57
11	OS	41.17	41.17	41.17	71.25	50.19
12	Computer Fundamentals & Problem Solving Techniques	100.00	100.00	100.00	91.25	97.38
13	Computer networks and OS Lab	70.59	94.11	87.05	83.75	86.06
14	DS Lab	100.00	100.00	100.00	81.25	94.38
15	IoT	82.35	58.82	65.88	82.5	70.87
16	Cryptography and Network Security	47.05	58.82	55.29	87.5	64.95
17	Design and Analysis of Algorithms	47.05	47.05	47.05	87.5	59.19
18	Data Mining Techniques	64.70	52.94	56.47	85	65.03
19	Web Technologies Lab	64.70	100.00	89.41	82.5	87.34
20	Data Mining Lab	64.70	100.00	89.41	83.75	87.71
21	Web Programming(OE)	100.00	100.00	100.00	91.25	97.38
22	MOOCs(PHP & My SQL)	100	100	100.00	85	95.50
23	Big Data and Analytics	70.58	94.11	87.05	87.5	87.19
24	Artificial Intelligence & Machine Learning	70.58	76.47	74.70	74.26	74.57
25	Cloud Computing	41.17	100.00	82.35	81.25	82.02
26	Big Data and Analytics Lab	100.00	100.00	100.00	91.25	97.38
27	Project Work	100.00	100.00	100.00	91.25	97.38

PO NO	Question Asked	Response Received	Satisfaction number	% attainment
PO1	Professional Ethics and Social Responsibility	16	12	75
PO2	Critical Thinking	16	13	81.25
PO3	Global Exposure	16	10	62.5
PO4	Knowledge Multiple Domains	16	14	87.5
PO5	Effective Communication	16	15	93.75
PO6	Leadership and Team Work	16	9	56.25
PO7	Self-Directed and Lifelong Learning	16	13	81.25

PO	Direct Attainment (D)	Indirect Attainment(I)	Final Attainment
1	77.39	75	76.673
2	80.00	81.25	80.375
3	89.49	62.5	81.393
4	77.00	87.5	80.15
5	77.51	93.75	82.382
6	69.50	56.25	65.525
7	78.54	81.25	79.353





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