

Malla Reddy Institute of Technology
Department of Computer Science and Engineering
CO - PO Attainment

YEAR/ Semester: II/I

Subject/Course Name: COMPUTER ORGANIZATION AND ARCHITECTURE

Course code: CS304PC

Academic Year: 2020-2021

Section : A,B,C,D

Regulation : R 18

Batch : 2019-2020

Graduate Attributes	Knowledge	Analysis	Design & Development	Investigation of Complex Problems	Modern Tools	Society	Environment & Sustainability	Ethics	Individual & Team Work	Communication	Project Mgmt Finance	Life Long Learning	Analyze data and algorithms, Develop software engineering, web technologies, Understanding Networking, To solve real world problems.	Ability to use the core concepts optimization techniques computing mechanisms	Professional skills social, Ethical practice Communication skills and entrepreneurial
Course Outcomes	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Analyze the structure of Operating system and basic architectural components involved in operating system design	2	1	0	1	0	0	2			0	0		3	1	0
Analyze and design the applications to run in parallel either using processor or thread models of different operating systems	2	2	2	0	2	0	2			0	0		3	2	1
Analyze the various device and resource management techniques for time sharing and distributed systems	2	2	2	0	0	0	1			0	1		3	2	1
Understand mutual exclusion, deadlock deduction and agreement protocol of distributed operating system	2	1	2	0	0	2	0			2	0		3	1	0
Creating the mechanisms adopted for file sharing in distributed applications	2	2	2	0	1	0	1			1	1		2	2	0
Average	2	1.6	1.6	0.2	0.6	0.4	1.2			0.6	0.4		2.8	1.6	0.4

Course Name: CS304PC

COMPUTER ORGANIZATION AND ARCHITECTURE

Course Year: 2020-21

Course Name	Course Outcomes
C305.1	Understand the basics of instructions sets and their impact on processor design.
C305.2	Demonstrate an understanding of the design of the functional units of a digital computer system
C305.3	Evaluate cost performance and design trade-offs in designing and constructing a computer processor including memory.
C305.4	Design a pipeline for consistent execution of instructions with minimum hazards
C305.5	Recognize and manipulate representations of numbers stored in digital computers


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 Secunderabad-500100, Telangana State

205	19RJ1A05L5	5	2	3	10			5	5	10	3	2	5	25	8	2	5	25	
206	19RJ1A05L6	5	2	3	10			5	5	10	3	2	5	25	8	2	5	25	
207	19RJ1A05L7	5	2	3	10	5	5			10	3	2	5	25	13	12	10	25	
208	19RJ1A05L8	5	2	3	10	5	5			10	3	2	5	25	13	12	10	25	
209	19RJ1A05L9	4	2	3	9			5	5	10	3	2	5	24	7	2	5	24	
210	19RJ1A05M0	5	2	2	9			5	5	10	3	2	5	24	8	2	4	24	
211	19RJ1A05M1	5	1	3	9	4	0			4	3	2	5	18	12	5	5	18	
212	19RJ1A05M2	3	2	3	8	5	5			10	3	2	5	23	11	12	10	23	
213	19RJ1A05M3	5	1	2	8	5	5			10	3	2	5	23	13	11	9	23	
214	19RJ1A05M4	5	1	2	8			5	5	10	3	2	5	23	8	1	4	23	
215	19RJ1A05M5	5	2	2	9			5	5	10	3	2	5	24	8	2	4	24	
216	19RJ1A05M6	4	2	3	9	5				5	10	3	2	5	24	12	7	5	24
217	19RJ1A05M7	5	1	3	9	5				5	10	3	2	5	24	13	6	5	24
218	19RJ1A05M8	5	2	3	10	5				5	10	3	2	5	25	13	7	5	25
219	19RJ1A05M9	5	2	3	10	5				5	10	3	2	5	25	13	7	5	25
220	19RJ1A05N0	5	1	3	9	5				5	10	3	2	5	24	13	6	5	24
221	19RJ1A05N1	5	2	3	10			5	5	10	3	2	5	25	8	2	5	25	
222	19RJ1A05N2	5	2	3	10			5	5	10	3	2	5	25	8	2	5	25	
223	19RJ1A05N3	5	2	3	10			5	5	10	3	2	5	25	8	2	5	25	
224	19RJ1A05N4	5	2	3	10		5	5		10	3	2	5	25	8	7	10	25	
225	19RJ1A05N5	5	2	3	10		5	5		10	3	2	5	25	8	7	10	25	
226	19RJ1A05N6	5	2	3	10		5	5		10	3	2	5	25	8	7	10	25	
227	19RJ1A05N7	5	2	3	10		5	5		10	3	2	5	25	8	7	10	25	
228	19RJ1A05N8	5	2	3	10		5	5		10	3	2	5	25	8	7	10	25	
229	19RJ1A05N9	5	2	3	10		5	5		10	3	2	5	25	8	7	10	25	
230	19RJ1A05P0	5	2	3	10			5	5	10	3	2	5	25	8	2	5	25	
231	19RJ1A05P1	5	2	3	10			5	5	10	3	2	5	25	8	2	5	25	
232	19RJ1A05P2	5	2	3	10			5	5	10	3	2	5	25	8	2	5	25	
233	19RJ1A05P3	5	2	3	10			5	5	10	3	2	5	25	8	2	5	25	
234	19RJ1A05P4	5	2	3	10			5	5	10	3	2	5	25	8	2	5	25	
235	19RJ1A05P5	5	2	3	10			5	5	10	3	2	5	25	8	2	5	25	
236	19RJ1A05P6	5	2	3	10			4	2	6	3	2	5	21	8	2	5	21	
237	19RJ1A05P7	4	2	3	9	3			3	6	3	2	5	20	10	5	5	20	
238	19RJ1A05P8	5	2	3	10	5			5	10	3	2	5	25	13	7	5	25	
239	19RJ1A05P9	4	2	3	9	3			5	8	3	2	5	22	10	5	5	22	
240	19RJ1A05Q0	5	1	3	9	3			3	6	3	2	5	20	11	4	5	20	
241	20RJ5A0501	5	2	2	9	4			5	9	3	2	5	23	12	6	4	23	
242	20RJ5A0502	5	2	3	10	5			5	10	3	2	5	25	13	7	5	25	
243	20RJ5A0503	4	2	2	8	5			5	10	3	2	5	23	12	7	4	23	
244	20RJ5A0504	5	1	3	9	5			5	10	3	2	5	24	13	6	5	24	
245	20RJ5A0505	4	2	3	9			5	3	8	3	2	5	22	7	2	5	22	
246	20RJ5A0506	5	1	3	9			5	5	10	3	2	5	24	8	1	5	24	
247	20RJ5A0507	5	2	3	10			5	5	10	3	2	5	25	8	2	5	25	
248	20RJ5A0508	5	2	2	9		5	5		10	3	2	5	24	8	7	9	24	
249	20RJ5A0509	5	2	3	10		1	4		5	3	2	5	20	8	3	6	20	
250	20RJ5A0510	5	2	3	10		1	4		5	3	2	5	20	8	3	6	20	
251	20RJ5A0511	5	2	2	9		5	0		5	3	2	5	19	8	7	9	19	
252	20RJ5A0512	5	2	2	9		4	4		8	3	2	5	22	8	6	8	22	
253	20RJ5A0513	4	2	3	9		5	3		8	3	2	5	22	7	7	10	22	
254	20RJ5A0514	5	2	2	9			5	5	10	3	2	5	24	8	2	4	24	
255	20RJ5A0515	5	1	3	9			5	5	10	3	2	5	24	8	1	5	24	
256	20RJ5A0516	3	2	3	8			1	3	4	3	2	5	17	6	2	5	17	
257	20RJ5A0517	5	1	3	9			5	4	9	3	2	5	23	8	1	5	23	
258	20RJ5A0518	3	1	3	7	5	5			10	3	2	5	22	11	11	10	22	
259	20RJ5A0519	5	1	1	7	5	5			10	3	2	5	22	13	11	8	22	
260	20RJ5A0520	5	2	1	8	5	5			10	3	2	5	23	13	12	8	23	
261	20RJ5A0521	5	0	2	7			5	5	10	3	2	5	22	8	0	4	22	
262	20RJ5A0522	4	0	3	7			5	5	10	3	2	5	22	7	0	5	22	
263	20RJ5A0523	5	1	2	8			5	5	10	3	2	5	23	8	1	4	23	
264	20RJ5A0524	5	2	1	8			5	5	10	3	2	5	23	8	2	3	23	

Number of attained		88.0	35.0	25.0	48.0	53.0	87.0
Number of attempted		88.0	35.0	25.0	50.0	53.0	87.0
Percentage		100.0	100.0	100.0	96.0	100.0	100.0


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228	19RJ1A05N8	3	4	1	8	4			5	9	2	3	22	9	7	10
229	19RJ1A05N9	1	5	2	8	4			5	9	2	3	22	7	8	11
230	19RJ1A05P0	3	4	1	8	5			4	9	2	3	22	10	7	10
231	19RJ1A05P1	1	5	2	8	5			3	8	2	3	21	8	8	10
232	19RJ1A05P2	2	3	2	7	4			5	9	2	3	21	8	6	11
233	19RJ1A05P3	2	4	2	8	5			4	9	2	3	22	9	7	11
234	19RJ1A05P4	2	1	2	5	5			5	10	2	3	20	9	4	12
235	19RJ1A05P5	1	5	2	8	4			4	8	2	3	21	7	8	10
236	19RJ1A05P6	0	5	2	7	5			3	8	2	3	20	7	8	10
237	19RJ1A05P7	3	4	1	8	2			5	7	2	3	20	7	7	8
238	19RJ1A05P8	3	3	2	8	2			5	7	2	3	20	7	6	9
239	19RJ1A05P9	2	4	2	8	3			5	8	2	3	21	7	7	10
240	19RJ1A05Q0	2	5	1	8	5			3	8	2	3	21	9	8	9
241	20RJ5A0501	2	5	1	8	4			4	8	2	3	21	8	8	9
242	20RJ5A0502	3	3	2	8			5	3	8	2	3	21	5	6	10
243	20RJ5A0503	2	4	2	8			3	5	8	2	3	21	4	7	10
244	20RJ5A0504	0	0	0	0			3	5	8	2	3	13	2	3	8
245	20RJ5A0505	2	5	1	8			5	3	8	2	3	21	4	8	9
246	20RJ5A0506	3	5	0	8			3	4	7	2	3	20	5	8	7
247	20RJ5A0507	3	4	1	8			5	3	8	2	3	21	5	7	9
248	20RJ5A0508	1	5	2	8			3	5	8	2	3	21	3	8	10
249	20RJ5A0509	3	4	1	8			5	3	8	2	3	21	5	7	9
250	20RJ5A0510	3	5	0	8		1	5		6	2	3	19	5	9	6
251	20RJ5A0511	2	4	2	8		4	3		7	2	3	20	4	11	9
252	20RJ5A0512	2	5	1	8		4	1		5	2	3	18	4	12	6
253	20RJ5A0513	3	4	1	8		4	3		7	2	3	20	5	11	8
254	20RJ5A0514	2	5	1	8		4	3		7	2	3	20	4	12	8
255	20RJ5A0515	3	3	2	8		5	2		7	2	3	20	5	11	9
256	20RJ5A0516	3	3	2	8			3	3	6	2	3	19	5	6	8
257	20RJ5A0517	3	3	2	8			5	1	6	2	3	19	5	6	8
258	20RJ5A0518	2	4	2	8			5	4	9	2	3	22	4	7	11
259	20RJ5A0519	3	3	2	8			5	3	8	2	3	21	5	6	10
260	20RJ5A0520	1	5	2	8			2	5	7	2	3	20	3	8	9
261	20RJ5A0521	1	5	2	8			2	5	7	2	3	20	3	8	9
262	20RJ5A0522	2	4	2	8	5	5			10	2	3	23	9	12	12
263	20RJ5A0523	2	5	1	8	5	4			9	2	3	22	9	12	10
264	20RJ5A0524	1	5	2	8			5	4	9	2	3	22	3	8	11

Number of attained		40.0	22.0	36.0	85.0	90.0	90.0
Number of attempted		46.0	22.0	36.0	89.0	90.0	90.0
Percentage		87.0	100.0	100.0	95.5	100.0	100.0


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Medium: 50 to 50 "2"
Low 50 and Below "1"

Medium	131	43.67
Low	19	6.34
CO1	80	

60	20
131	43.67
CO2	71.67

15	5
68	22.67
CO3	70.00

39	13
40	13.34
CO4	66.34

14	4.67
142	47.34
CO5	75.66

Less than 6 = N

Average Mark is 50 % = 3.75

internal	CO1	CO2	CO3	CO4	CO5
Exam	2.29	1.51	2.16	2.22	1.66
	76.39	50.38	71.99	73.99	55.31

Direct Attainment			
End Sem	2.71	2.03	
Internal	1.97	0.492	
Achievement	2.52		

End Exam	113.64
	3.00


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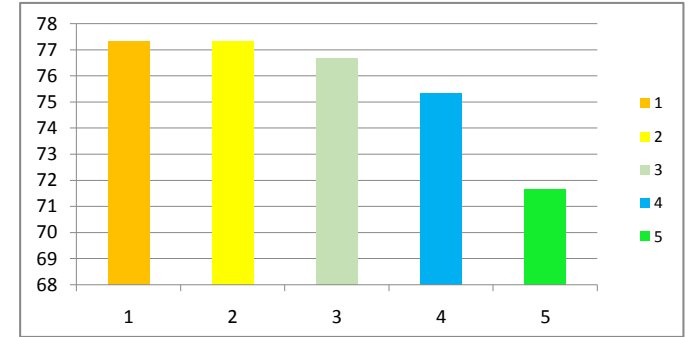
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Department of Computer Science and Engineering

Course Outcomes Assessment Sheet-Course End Survey

III Year - I Semester (Sections A,B,C,D)

Subject	CN			Reg:	R16		
CO No	Rating				Total	Attainment	Attainment %
	0	1	2	3			
1	10	45	60	149	264	2.32	77.34
2	4	50	70	140	264	2.32	77.34
3	4	45	85	130	264	2.3	76.67
4	8	48	76	132	264	2.26	75.34
5	6	65	78	115	264	2.15	71.67




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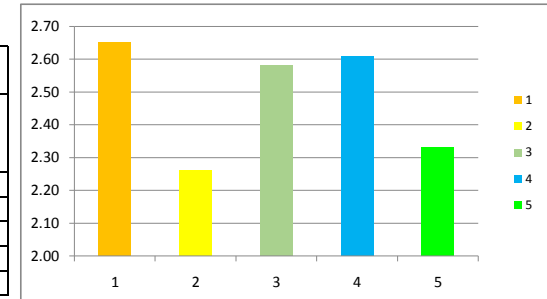
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Department of Computer Science and Engineering

DIRECT ATTAINMENT

III Year - I Semester (Sections A,B,C,D)

	Mid Exams		End Exams		Subject:DATA COMMUNICATION COMPUTER NETWORKS	
CO	CO ATTAINMENT(level)	CO ATTAINMENT(%)	CO ATTAINMENT(level)	CO ATTAINMENT(%)	DIRECT ATTAINMENT(level)	DIRECT ATTAINMENT(%)
1	2.29	76.39	3.00	113.64	2.65	95.02
2	1.51	50.38	3.00	113.64	2.26	82.01
3	2.16	71.99	3.00	113.64	2.58	92.82
4	2.22	73.99	3.00	113.64	2.61	93.82
5	1.66	55.31	3.00	113.64	2.33	84.48




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Malla Reddy Institute of Technology

Department of Computer Science and Engineering

Course Outcomes Assessment Sheet-Course End Survey

III Year - I Semester (Sections A,B,C,D)

Subject	Data Communication Computer Networks					R18
CO No	DIRECT ATTAINMENT(level)		INDIRECT ATTAINMENT(level)		FINAL CO ATTAINMENT	% CO ATTAINMENT
1	2.65	1.99	2.32	0.58	2.57	85.59
2	2.26	1.70	2.32	0.58	2.28	75.84
3	2.58	1.94	2.30	0.58	2.51	83.67
4	2.61	1.96	2.26	0.57	2.52	84.09
5	2.33	1.75	2.15	0.54	2.29	76.17


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Program Articulation Matrix

PAM Targeted																
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	2.57	2	1	0	1	0	0	2			0	0		3	1	0
CO2	2.28	2	2	2	0	2	0	2			0	0		3	2	1
CO3	2.51	2	2	2	0	0	0	1			0	1		3	2	1
CO4	2.52	2	1	2	0	0	2	0			2	0		3	1	0
CO5	2.29	2	2	2	0	1	0	1			1	1		2	2	0
TOTAL		2	1.6	1.6	0.2	0.6	0.4	1.2			0.6	0.4		2.8	1.6	0.4
PAM Target		3	3	3	1	3	2	3			3	2		3	3	2

PAM Achieved																
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1		2.31	1.54	0.00	1.54	0.00	0.00	2.31			0.00	0.00		2.57	1.54	0.00
CO2		2.05	2.05	2.05	0.00	2.05	0.00	2.05			0.00	0.00		2.28	2.05	1.37
CO3		2.26	2.26	2.26	0.00	0.00	0.00	1.51			0.00	1.51		2.51	2.26	1.51
CO4		2.27	1.51	2.27	0.00	0.00	2.27	0.00			2.27	0.00		2.52	1.51	0.00
CO5		2.06	2.06	2.06	0.00	1.37	0.00	1.37			1.37	1.37		2.06	2.06	0.00
CO FINAL		2.19	1.88	1.73	0.31	0.68	0.45	1.45			0.73	0.58		2.39	1.88	0.57
PAM Achieved		3	3	3	1	3	2	3			3	2		3	3	2

Mapping Range	Mapping Levels
<=0.33	1
>0.33 - <0.6	2
>=0.6	3

PAM (T)	2	1.6	1.6	0.2	0.6	0.4	1.2			0.6	0.4		2.8	1.6	0.4
PAM (A)	2.19	1.88	1.73	0.31	0.68	0.45	1.81			0.73	0.58		2.39	1.88	0.57

PAM (T)	3	3	3	1	3	2	3			3	2		3	3	2
PAM (A)	3	3	3	1	3	2	3			3	2		3	3	2


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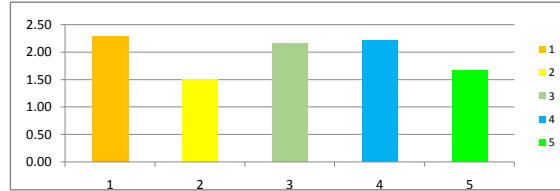
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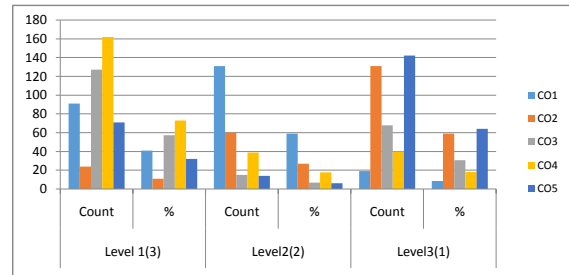
CO - PO attainment

Course Outcomes	Internals(mids) Attainment Level of Cos
CO1	2.29
CO2	1.51
CO3	2.16
CO4	2.22
CO5	1.66

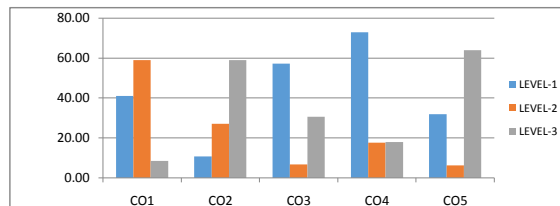


Threshold value
High 65 to 100 "3"
Medium 64 to 50 "2"
Below 50 and Below "1"

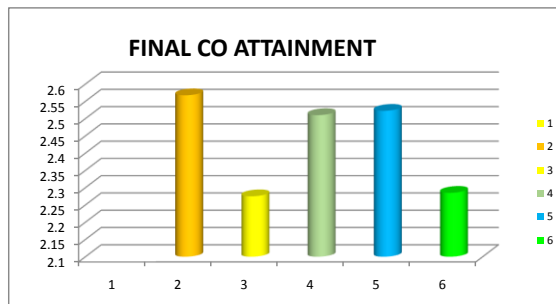
Course Outcomes	Direct Attainment Level of Cos					
	Level 1(3)		Level2(2)		Level3(1)	
	Count	%	Count	%	Count	%
CO1	91	41.0	131	59.0	19.0	8.6
CO2	24	10.8	60	27.0	131.0	59.0
CO3	127	57.2	15	6.8	68.0	30.6
CO4	162	73.0	39	17.6	40.0	18.0
CO5	71	32.0	14	6.3	142.0	64.0



Course Outcomes	CO ATTAINMENT		
	LEVEL-1	LEVEL-2	LEVEL-3
CO1	40.99	59.0	8.6
CO2	10.81	27.0	59.0
CO3	57.21	6.8	30.6
CO4	72.97	17.6	18.0
CO5	31.98	6.3	64.0



Subject	FINAL CO ATTAINMENT
CO No 1	2.57
CO No 2	2.28
CO No 3	2.51
CO No 4	2.52
CO No 5	2.29




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