



2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

Academic Year 2023-2024

S.No	DESCRIPTION	PAGE No
1	CO-PO Mapping and Attainment	02
2	Assignments	22
3	Series Test Question Papers with Bloom Taxonomy https://ncerc.ac.in/downloads/aqar-2023-24/criteria-2/2.5.1%20Internal%20Assessment.pdf	

1 Programme: MCA

Year & Sem: 2023-2024 IIIrd SEM (2022-2024 batch)

Course Code &

20MCA201- DATA SCIENCE & MACHINE LEARNING

Name:

			DIRECT ATTAINMENT					INDIRECT ATTAINMENT					
			CONTINUOUS INTERNAL EVALUATION					SEE	COURSE EXIT SURVEY				
Sl	Reg No	Name	CO1	CO2	CO3	CO4	CO5	UNIV RESULT	CO1	CO2	CO3	CO4	CO5
			MAX MARK	MAX MARK	MAX MARK	MAX MARK	MAX MARK	MAX GRADE					
			18	18	21	15	12	S					
1	NCE22MCA-2001	ABIN MATHEW	12	10	12	10	12	B	3	2	2	2	3
2	NCE22MCA-2002	AGIN C S	12	8	9	9	11	D	3	3	3	2	3
3	NCE22MCA-2003	AJESH M	9	6	11	5	11	P	2	2	2	2	2
4	NCE22MCA-2004	AJITH A	11	8	10	13	12	C+	3	2	2	2	3
5	NCE22MCA-2005	AJOY JOHN	4	11	10	11	12	D	2	2	3	3	2
6	NCE22MCA-2006	AKHIL K P	8	7	16	6	12	C+	3	2	2	2	3
7	NCE22MCA-2007	AKSHARA K S	8	18	14	7	12	D	3	2	2	3	3
8	NCE22MCA-2008	ALEX VARGHESE A	6	12	15	7	12	C+	2	3	3	3	3
9	NCE22MCA-2009	AMRUTHA S	13	11	15	11	12	A	3	3	3	3	3
10	NCE22MCA-2010	ANSADALI M	11	4	9	6	12	P	2	2	2	2	2
11	NCE22MCA-2011	ANSIRA FATHIMA M	12	9	15	9	12	C+	3	2	2	2	3
12	NCE22MCA-2012	ANUPAMA K	15	15	9	6	12	B	2	2	3	3	2
13	NCE22MCA-2013	APARNA A	14	13	18	7	12	B	3	2	2	2	3
14	NCE22MCA-2014	ARIYA SIVADAS	15	11	15	13	12	A	3	2	2	3	3
15	NCE22MCA-2015	ARJUN P V	12	9	15	15	12	C+	2	3	3	3	3
16	NCE22MCA-2016	ASWATHY R NAIR	13	11	13	13	12	A	3	3	3	3	3
17	NCE22MCA-2017	ASWINI M	13	12	13	15	12	C+	2	2	2	2	2
18	NCE22MCA-2018	BINDUJA S B	10	10	17	9	12	C+	3	2	2	2	3
19	NCE22MCA-2019	DARSANA V P	15	12	21	7	12	B+	2	2	3	3	2
20	NCE22MCA-2020	DEVIKA E P	14	8	12	17	12	C+	3	2	2	2	3
21	NCE22MCA-2021	DIVYA RAJACHANDRAN	15	11	15	13	12	A	3	2	2	3	3

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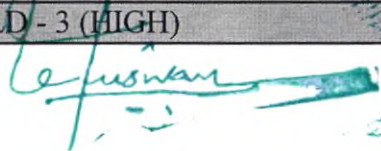
22	NCE22MCA-2022	FARSEENA A P	14	12	15	12	12	A	2	3	3	3	3
23	NCE22MCA-2023	HENNA THOMAS	8	7	18	12	12	C+	3	3	3	3	3
24	NCE22MCA-2024	JAHANA SHIRIN A K	5	12	11	5	12	D	2	2	2	2	2
25	NCE22MCA-2025	JINCY J	13	8	16	2	12	C	3	2	2	2	3
26	NCE22MCA-2026	JOMIN C JOY	12	10	15	11	12	D	2	2	3	3	2
27	NCE22MCA-2027	KAVYA P	8	16	20	8	12	C+	3	2	2	2	3
28	NCE22MCA-2028	KAVYA Y K	6	14	20	8	12	D	3	2	2	3	3
29	NCE22MCA-2029	KEERTHI S	14	10	12	13	12	C+	2	3	3	3	3
30	NCE22MCA-2030	MANASA A S	17	8	9	6	12	B	3	3	3	3	3
31	NCE22MCA-2031	MUHAMMED ANAS A	8	7	14	6	12	C	2	2	2	2	2
32	NCE22MCA-2032	NIHILA M J	13	8	15	15	12	B	3	2	2	2	3
33	NCE22MCA-2033	NIKETH P S	10	5	18	6	12	C	2	2	3	3	2
34	NCE22MCA-2034	NIKHIL MANIKANDAN	9	8	19	4	12	P	3	2	2	2	3
35	NCE22MCA-2035	PALLAVI P	13	11	12	9	12	B	3	2	2	3	3
36	NCE22MCA-2036	P MALAVIEKA	10	8	8	7	12	D	2	3	3	3	3
37	NCE22MCA-2037	PRASSY U P	7	12	21	9	12	A	3	3	3	3	3
38	NCE22MCA-2038	RANA	12	11	19	8	12	B+	2	2	2	2	2
39	NCE22MCA-2039	RESHMA K RAMESH	7	8	15	8	12	P	3	2	2	2	3
40	NCE22MCA-2040	RIJA R	13	9	9	10	12	C+	2	2	3	3	2
41	NCE22MCA-2041	SANDEEP K	9	6	18	8	12	P	3	2	2	2	3
42	NCE22MCA-2042	SANDEEP S	8	7	12	9	12	D	3	2	2	3	3
43	NCE22MCA-2043	SANDRA K	9	6	11	7	12	D	2	3	3	3	3
44	NCE22MCA-2044	SANIKA DAS B	7	9	11	8	12	C	3	3	3	3	3
45	NCE22MCA-2045	SANMANUL FARIS A	8	8	8	8	12	D	3	3	3	3	3
46	NCE22MCA-2046	SARANYA K	8	7	9	11	12	C	2	2	2	2	2
47	NCE22MCA-2047	SAYYINA SHARO SHAIJU	14	10	17	9	12	B	3	2	2	2	3
48	NCE22MCA-2048	S DEEPAK RADHAKRISHNAN	13	11	9	9	12	C+	2	2	3	3	2
49	NCE22MCA-2049	SHAMNA S	12	8	14	10	12	P	3	2	2	2	3
50	NCE22MCA-2050	SHIHAM ONGALLUR	13	2	16	9	12	D	3	2	2	3	3
51	NCE22MCA-2051	SHIMJA S	9	6	12	11	12	P	2	3	3	3	3
52	NCE22MCA-2052	SHRUTHI S	14	11	9	6	12	C	3	3	3	3	3

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53	NCE22MCA-2053	SIDHARTH K P	13	11	18	12	12	C	2	2	2	2	2
54	NCE22MCA-2054	SILPA C S	12	6	14	10	12	C+	3	2	2	2	3
55	NCE22MCA-2055	SNEHA C	15	7	20	9	12	D	2	2	3	3	2
56	NCE22MCA-2056	SREEKALA P	12	8	13	15	12	P	3	2	2	2	3
57	NCE22MCA-2057	SREESHNA U	12	10	14	14	12	C+	3	2	2	3	3
58	NCE22MCA-2058	SRUTHI T	11	5	9	17	12	C	2	2	3	3	2
59	NCE22MCA-2059	UNNIMAYA U	9	6	13	12	12	P	3	2	2	2	3
60	NCE22MCA-2060	VYSAKH SANKAR P M	10	5	21	5	12	D	3	2	2	3	3
									3	2	2	3	3

NO OF STUDENTS ATTENDED	60	60	60	60	60	60
MAX MARK FOR CO						S
THRESHOLD VALUE	50	9	9	10.5	7.5	6
No of students above threshold		45	31	47	42	60
CO ATTAINMENT CONTINUOUS INTERNAL EVALU		2	1	2	2	3
CO ATTAINMENT SEMESTER END EXAM		3	3	3	3	3
(40% OF CIE+60% OF SEE)		2.6	2.2	2.6	2.6	3
ATTAINMENT THROUGH SURVEY(20% WEIGHTAGE)		3	2	2	3	3
OVERALL ATTAINMENT(0.8*DIRECT METHOD +		3	2	3	3	3
OVERALL ATTAINMENT FOR THIS SUBJECT		3				

NO OF STUDENTS		RUBRICS	
60% OF TOTAL NUMB	36	BETWEEN 60%-69% OF STUDENT ABOVE THRESHOLD- 1 (LOW)	
70% OF TOTAL NUMB	42	BETWEEN 70%-79% OF STUDENT ABOVE THRESHOLD - 2 (MEDIUM)	
80% OF TOTAL NUMB	48	80% OF STUDENT ABOVE THRESHOLD - 3 (HIGH)	


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Nehru College of Engineering and Research Centre										Nehru College of Engineering and Research Centre									
CO/Course - PO/PSO Mapping										CO/Course - PO/PSO Mapping									
Department: Department of ECE					Programme: B Tech ECE					Academic Year: 2023-24					Version: 0				
Course: Wireless Communication					Course code: ECT 402					Semester: 8					Course type: Theory				
Faculty name: Dr.Mredhula.L					Total Strength: 17														
Internal Marks: 50					University Marks: 100					CO - PO/PSO Mapping									
Level 3 (% Hours):					Lecture Hours (L): 3					Course Outcome					PO/ PSO Mapping				
Level 2 (% Hours):					Tutorial Hours (T): 0					CO1					po1,po2,po3,po5,po8,po12				
Level 1 (% Hours):					Practical Hours (P): 0					CO2					po1,po2,po3,po5,po12				
										CO3					po1,po2,po3,po5				
										CO4					po1,po2,po3,po5				
										CO5					po1,po2,po3,po5				
															po1,po2,po3,po12				
										Total No. of Hours					37				
Target and Level Assignment										Overall Course Attainment									
ST1 ST2 ESE Assignment										Criteria % Attainment Value by									
Target Marks % 40% 30% 40% 80%										Series Test 1 15% 0.00									
Claim Population										Series Test 2 15% 0.33									
Level 1 80%										Assignment 10% 3.00									
Level 2 90%										End Sem Exam 60% 0.00									
Level 3 100%										Direct Assessment 70% 0.35									
Level 1 80% of students (out of 17) scoring more than 40% marks out relevant total in series test and end semester examinations										Indirect Assessment 30% 2.76									
Level 2 90 % of students (out of 17)scoring more than 40% marks out relevant total in series test and end semester examinations										Overall Attainment 1.07									
Level 3 100 % of students (out of 17)scoring more than 40% marks out relevant total in series test and end semester examinations										Signature									
Nehru College of Engineering and Research Centre										Course Outcomes									
										CO1 Summarize the basics of Cellular system and cellular design fundamentals									
										CO2 Describe the wireless channel models and discuss capacity of wireless channels									



Level 3	out relevant total in series test and end semester examinations					Signature		
Nehru College of Engineering and Research Centre								CO1
								CO2
Subject	Wireless Communication			Faculty Name	Dr.Mredhula.L			CO3
Course Code	ECT 402			Semester, AY	SEMESTER = S8 AY = 2023-24			CO4
								CO5
Acheived Attainment Level information								
Criteria	CO1	CO2	CO3	CO4	CO5	CO6	Minimum Level of Attainment	2
Series Test 1	Level - 0	Level - 0	Level - 0	Level - NA	Level - NA	Level - NA		CO1
Series Test 2	Level - NA	Level - NA	Level - 0	Level - 0	Level - 1	Level - NA		CO2
Assignment	Level - 3	Level - 3	Level - 3	Level - 3	Level - 3	Level - NA		CO3
End Semester Exam	Level - 0 Achieved							CO4
Action Points on Level = 1 (or Below) for CO's of Each Criteria								CO5
Criteria	Action Points / Remarks							Pr
								CO1
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								CO4
								CO5



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A1:L2 Nehru College of Engineering and Research Centre

Nehru College of Engineering and Research Centre											
Department:		Department of ECE				Programme		B Tech ECE		Academic Year 2023-24	
Course:		Wireless Communication				Course code		ECT 402		Semester: 8	
Faculty name		Dr.Mredhula.L				Course type		Theory		Total Strength 17	
Internal Marks:		50		University Marks:		100		CO - PO/PSO Mapping			
Level 3 (% Hours):				Lecture Hours (L):		3		Course Outcome		PO/ PSO Mapping	
Level 2 (% Hours):				Tutorial Hours (T):		0		CO1		po1,po2,po3,po5,po8,po12	
Level 1 (% Hours):				Practical Hours (P):		0		CO2		po1,po2,po3,po5,po12	
								CO3		po1,po2,po3,po5	
								CO4		po1,po2,po3,po5	
								CO5		po1,po2,po3,po5	
										po1,po2,po3,po12	
										Total No. of Hours 37	
Target and Level Assignment											
		ST1		ST2		ESE		Assignment			
Target Marks %		40%		30%		40%		80%			
Claim Population											
Level 1		80%									
Level 2		90%									
Level 3		100%									
Level 1		80% of students (out of 17) scoring more than 40% marks out relevant total in series test and end semester examinations									
Level 2		90 % of students (out of 17) scoring more than 40% marks out relevant total in series test and end semester examinations									
Level 3		100 % of students (out of 17) scoring more than 40% marks out relevant total in series test and end semester examinations									
Signature											
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+ Face sheet Student Details Series test 1 Series test 2 Assignment Lab-Practicals-CA Project E



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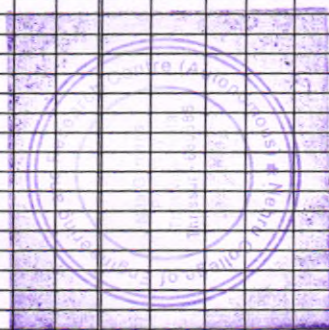
Department of ECE

Course Outcome Attainment for ECT 402: Wireless Communication, Semester: -S8 AY - 2023-24

Series Test 1

		Max Marks Allotted					25	25	0	0	0	0	50
		Target % of Marks					40%	40%	40%	40%	40%	40%	40%
							10	10	0	0	0	0	Target
							0	0	0	NA	NA	NA	
							10	6	1	0	0	0	Tgt Ct
							15	15	15	15	15	15	Tot ct
							12	12	12	12	12	12	L1
							13.5	13.5	13.5	13.5	13.5	13.5	L2
							15	15	15	15	15	15	L3
SI No	Roll NO	Student Name	co1	co2	co3	co4	co5	CO1	CO2	CO3	CO4	CO5	Mark s
								Q1	Q2	Q3	Q4	Q5/6	
								CO1	CO1	CO2	CO2	CO1	
								5	5	5	5	15	
1	NCE20EC001	A ANAKHA	17	13	0	0	0	2.5	3.5			11.0	30.0
2	NCE20EC002	AMAL C BOSE	9	0	0	0	0		2.0			7.0	9.0
3	NCE20EC003	AMBIKA S	22.5	11.5	0	0	0	4.0	4.5	5.0		14.0	34.0
4	NCE20EC004	ANUSREE V A	12	9	0	0	0	4.5	1.5			6.0	21.0
5	NCE20EC005	ARYA V	7	13	0	0	0	4.5	1.0			1.5	20.0
6	NCE20EC006	ASWIN K P	6	5	0	0	0	4.0	1.0	2.0		1.0	11.0
7	NCE20EC007	DARSANA ANAND	23	20.5	0	0	0	4.5	4.5	5.0	1.0	14.0	43.5
8	NCE20EC008	GOPIKA KRISHNAN A	15	7	0	0	0	3.5	3.0	5.0		8.5	22.0
9	NCE20EC009	HARIKRISHNAN HARIDA											0.0
10	NCE20EC010	JEESON SHAJI											0.0
11	NCE20EC011	JISHNA T R	18.5	3.5	0	0	0	4.0	1.5			13.0	22.0
12	NCE20EC012	M ARUN KUMAR	9	4.5	12	0	0	1.0	1.5	4.5		6.5	25.5
13	NCE20EC014	PARVATHI TP	17	16	0	0	0	3.5	3.5	2.5		10.0	33.0
14	NCE20EC015	SANJAN P	19	6	0	0	0	3.5	3.5			12.0	25.0
15	NCE20EC016	SONA R	10.5	4.5	0	0	0	4.5	3.0			3.0	15.0
16	NCE20EC017	VIDHYA NARAYANAN	16.5	15	0	0	0		4.0	5.0	1.0	12.5	31.5
17	NCE20EC018	VISHNU P NAIR	5	1	0	0	0	3.5	1.5			1.0	6.0

Result Analysis		
Criteria	No of students	%
< 40%	0	0%
40%-60%	0	0%
61%-90%	0	0%
91%-100%	0	0%



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Nehru College of Engineering and Research Centre

Department of ECE

Level Outcome Attainment for ECT 402: Wireless Communication, Semester: 58 AY - 2C

Series Test 2

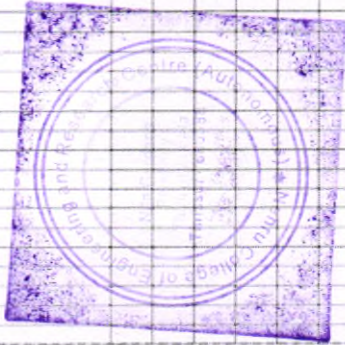
Max Marks Allotted			0	0	10	20	20	0	50
Target % of Marks			30%	30%	30%	30%	30%	30%	30%
Level Achieved			NA	NA	0	0	1	NA	
Sl No	Roll NO	Student Name	CO1	CO2	CO3	CO4	CO5	Marks	Signature
			Q1	Q2	Q3	Q4	Q5/6		
			CO4	CO4	CO5	CO5	CO4	CO3	CO5
			5	5	5	5	10	10	10
1	NCE20EC001	A ANAKHA	4.5	4.5	4.5	4.5	9.5	9.5	9.0
2	NCE20EC002	AMAL C BOSE	3.5	1.0	2.5	1.0	6.0	0.0	7.0
3	NCE20EC003	AMBIKA S	4.5	4.5	4.5	4.0	7.0	5.0	4.5
4	NCE20EC004	ANUSREE V A	3.0	4.5	4.0	4.5	7.5	0.0	5.5
5	NCE20EC005	ARYA V	4.5	4.5	4.5	4.5	8.0	0.0	4.5
6	NCE20EC006	ASWIN K P	4.0	4.5	4.5	3.5	7.5	4.5	9.0
7	NCE20EC007	DARSANA ANAND	4.0	0.0	3.0	1.0	2.0	2.0	0.0
8	NCE20EC008	GOPIKA KRISHNAN A	4.5	4.5	3.5	4.5	6.0	4.5	4.5
9	NCE20EC009	HARIKRISHNAN HARIDAS	4.5	3.5	4.0	4.5	9.5	9.5	9.0
10	NCE20EC010	JEESON SHAJI	4.5	4.5	2.0	4.0	7.5	8.0	6.0
11	NCE20EC011	JISHNA T R	4.5	4.5	4.5	3.5	9.5	9.5	9.0
12	NCE20EC012	M ARUN KUMAR	4.5	4.5	4.5	4.5	9.5	9.5	9.0
13	NCE20EC014	PARVATHI TP	4.5	4.5	3.5	2.0	2.0	2.0	1.0
14	NCE20EC015	SANJAN P	0.0	2.0	3.5	3.0	0.0	9.5	6.0
15	NCE20EC016	SONA R	0.0	0.0	0.0	0.0	2.0	0.0	0.0
16	NCE20EC017	VIDHYA NARAYANAN	0.0	2.5	0.0	0.0	0.0	0.0	0.0
17	NCE20EC018	VISHNU P NAIR	4.5	4.5	4.5	3.5	9.0	9.5	9.0

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Criteria
< 40%
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**Course Outcome Attainment for ECT 402: Wireless Communication,
Semester: S8 AY - 2023-24**

End Semester Examination - KTU

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Thiruvilwamala, Thrissur - 680584



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Course Outcome Attainment for ECT 402: Wireless Communication, Semester:

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Nehru College of Engineering and Research Centre																												
Department:	DEPARTMENT OF EEE				Programme	B Tech EEE		Academic Year	2023-24																			
Course:	ADVANCED CONTROL SYSTEMS				Course code	EET 401		Semester:	7																			
Faculty name	Mr. ANOOP KUMAR M.V				Course type	Theory		Total Strength	15																			
Internal Marks:	50	University Marks:	100	CO - PO/PSO Mapping																								
Level 3 (% Hours):		Lecture Hours (L):	2	<table border="1"> <thead> <tr> <th>Course Outcome</th> <th>PO/ PSO Mapping</th> <th>No of Hours</th> </tr> </thead> <tbody> <tr> <td>CO1</td> <td>PO1,PO2,PO12,PSO1</td> <td>7</td> </tr> <tr> <td>CO2</td> <td>PO1,PO2,PO3,PO12,PSO1</td> <td>9</td> </tr> <tr> <td>CO3</td> <td>PO1,PO2,PO3,PO12,PSO1</td> <td>7</td> </tr> <tr> <td>CO4</td> <td>PO1,PO2,PO12,PSO1</td> <td>3</td> </tr> <tr> <td>CO5</td> <td>PO1,PO2,PO3,PO12,PSO1</td> <td>5</td> </tr> <tr> <td>CO6</td> <td>PO1,PO2,PO3,PO12,PSO1</td> <td>6</td> </tr> <tr> <td colspan="2">Total No. of Hours</td> <td>37</td> </tr> </tbody> </table>	Course Outcome	PO/ PSO Mapping	No of Hours	CO1	PO1,PO2,PO12,PSO1	7	CO2	PO1,PO2,PO3,PO12,PSO1	9	CO3	PO1,PO2,PO3,PO12,PSO1	7	CO4	PO1,PO2,PO12,PSO1	3	CO5	PO1,PO2,PO3,PO12,PSO1	5	CO6	PO1,PO2,PO3,PO12,PSO1	6	Total No. of Hours		37
Course Outcome	PO/ PSO Mapping	No of Hours																										
CO1	PO1,PO2,PO12,PSO1	7																										
CO2	PO1,PO2,PO3,PO12,PSO1	9																										
CO3	PO1,PO2,PO3,PO12,PSO1	7																										
CO4	PO1,PO2,PO12,PSO1	3																										
CO5	PO1,PO2,PO3,PO12,PSO1	5																										
CO6	PO1,PO2,PO3,PO12,PSO1	6																										
Total No. of Hours		37																										
Level 2 (% Hours):		Tutorial Hours (T):	1																									
Level 1 (% Hours):		Practical Hours (P):	0																									
Target and Level Assignment																												
	ST1	ST2	ESE	Assignment																								
Target Marks %	50%	50%	40%	80%																								
Claim Population																												
Level 1	60%																											
Level 2	80%																											
Level 3	90%																											
Level 1	60% of students (out of 15) scoring more than 50% marks out relevant total in series test and end semester examinations																											
Level 2	80 % of students (out of 15) scoring more than 50% marks out relevant total in series test and end semester examinations																											
Level 3	90 % of students (out of 15) scoring more than 50% marks out relevant total in series test and end semester examinations																											

Overall Course Attainment		
Criteria	%	Attainment Value by
Series Test 1	20%	0.33
Series Test 2	20%	3.00
Assignment	30%	3.00
End Sem Exam	30%	NA
Direct Assessment	80%	2.24
Indirect Assessment	20%	3.00
Overall Attainment		2.39

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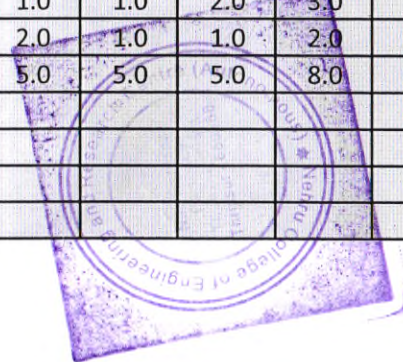
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DEPARTMENT OF EEE

Course Outcome Attainment for EET 401: ADVANCED CONTROL SYSTEMS, Semester: -S7 AY - 2023-24

Series Test 1

Max Marks Allotted			20	15	15	0	0	0		50		
Target % of Marks			50%	50%	50%	50%	50%	50%		50%		
Level Achieved			0	0	1	NA	NA	NA				
			CO1	CO2	CO3	CO4	CO5	CO6				
SI No	Roll NO	Student Name	Q1	Q2	Q3	Q4	Q5/6	Q7/8	Q9/10	Marks		Signature
			CO3	CO1	CO2	CO1	CO3	CO2	CO1			
			5	5	5	5	10	10	10			
1	NCE20EE001	ABHIRAM M	4.0	4.0	2.0	5.0	7.0	6.0	7.0	35		
2	NCE20EE002	AKASH V	4.0	3.0	4.0	3.0	6.0	5.0	5.0	30		
3	NCE20EE004	ASWATHY A M	4.0	4.0	4.0	4.0	9.0	9.0	9.0	43		
4	NCE20EE006	MIDHUN MADHAV	3.0	2.0	3.0	3.0	6.0	4.0	4.0	25		
5	NCE20EE007	MIDHUN NATARAJAN	3.0	3.0	4.0	4.0	6.0	5.0	7.0	32		
6	NCE20EE008	MUHAMMED BADHUSHA S	3.0	5.0	5.0	4.0	6.0	8.0	6.0	37		
7	NCE20EE009	NIBIN R	4.0	3.0	3.0	4.0	7.0	8.0	6.0	35		
8	NCE20EE010	RIDHUL R	3.0	2.0	3.0	3.0	4.0	3.0	3.0	21		
9	NCE20EE011	SREERAG A	3.0	2.0	2.0	2.0	3.0	3.0	2.0	17		
10	NCE20EE012	SREYA P M	4.0	3.0	3.0	3.0	6.0	5.0	5.0	29		
11	NCE20EE013	S RIDHESH	1.0	1.0	1.0	1.0	2.0	2.0	2.0	10		
12	NCE20EE014	SUBIN S	3.0	2.0	3.0	3.0	3.0	3.0	3.0	20		
13	LNCE20EE016	ABIDH A	1.0	1.0	1.0	1.0	2.0	3.0	2.0	11		
14	LNCE20EE017	ANANDU PRAVEEN G	2.0	1.0	2.0	1.0	1.0	2.0	1.0	10		
15	LNCE20EE018	ARJUN V	4.0	5.0	5.0	5.0	5.0	8.0	6.0	38		



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DEPARTMENT OF EEE

Course Outcome Attainment for EET 401: ADVANCED CONTROL SYSTEMS, Semester: S7 AY - 2023-24

Series Test 2

Max Marks Allotted			0	0	10	20	20	0		50	Marks	Signaturre
Target % of Marks			50%	50%	50%	50%	50%	50%		50%		
Level Achieved			NA	NA	3	3	3	NA				
SI No	Roll NO	Student Name	CO1	CO2	CO3	CO4	CO5	CO6				
			Q1	Q2	Q3	Q4	Q5/6	Q7/8	Q9/10			
			CO3	CO4	CO3	CO4	CO5	CO4	CO5			
			5	5	5	5	10	10	10			
1	NCE20EE001	ABHIRAM M	3.0	2.0	3.0	3.0	3.0	3.0	3.0	20		
2	NCE20EE002	AKASH V	3.0	3.0	4.0	4.0	8.0	9.0	9.0	40		
3	NCE20EE004	ASWATHY A M	5.0	5.0	5.0	5.0	10.0	10.0	10.0	50		
4	NCE20EE006	MIDHUN MADHAV	3.0	3.0	4.0	4.0	8.0	9.0	9.0	40		
5	NCE20EE007	MIDHUN NATARAJAN	5.0	4.0	5.0	5.0	10.0	10.0	9.0	48		
6	NCE20EE008	MUHAMMED BADHUSHA S	3.0	4.0	5.0	4.0	8.0	9.0	9.0	42		
7	NCE20EE009	NIBIN R	3.0	3.0	4.0	4.0	8.0	9.0	9.0	40		
8	NCE20EE010	RIDHUL R	4.0	3.0	3.0	3.0	6.0	6.0	7.0	32		
9	NCE20EE011	SREERAG A	3.0	3.0	4.0	4.0	8.0	9.0	9.0	40		
10	NCE20EE012	SREYA P M	5.0	5.0	5.0	5.0	10.0	10.0	10.0	50		
11	NCE20EE013	S RIDHESH	3.0	3.0	4.0	4.0	8.0	9.0	9.0	40		
12	NCE20EE014	SUBIN S	5.0	5.0	5.0	5.0	10.0	10.0	10.0	50		
13	LNCE20EE016	ABIDH A	3.0	3.0	4.0	4.0	8.0	9.0	9.0	40		
14	LNCE20EE017	ANANDU PRAVEEN G	5.0	5.0	5.0	5.0	10.0	10.0	10.0	50		
15	LNCE20EE018	ARJUN V	5.0	5.0	5.0	5.0	10.0	10.0	10.0	50		



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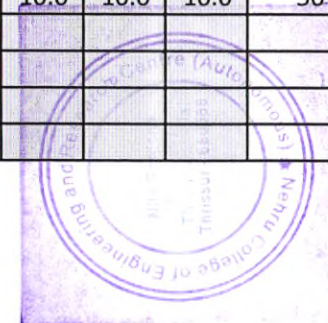
Nehru College of Engineering and Research Centre

DEPARTMENT OF EEE

Course Outcome Attainment for EET 401: ADVANCED CONTROL SYSTEMS, Semester: S7 AY - 2023-24

Series Test 2

Max Marks Allotted			0	0	10	20	20	0		50		Signatrure
Target % of Marks			50%	50%	50%	50%	50%	50%		50%		
Level Achieved			NA	NA	3	3	3	NA				
SI No	Roll NO	Student Name	CO1	CO2	CO3	CO4	CO5	CO6		Marks		
			Q1	Q2	Q3	Q4	Q5/6	Q7/8	Q9/10			
			CO3	CO4	CO3	CO4	CO5	CO4	CO5			
			5	5	5	5	10	10	10			
1	NCE20EE001	ABHIRAM M	3.0	2.0	3.0	3.0	3.0	3.0	3.0	20		
2	NCE20EE002	AKASH V	3.0	3.0	4.0	4.0	8.0	9.0	9.0	40		
3	NCE20EE004	ASWATHY A M	5.0	5.0	5.0	5.0	10.0	10.0	10.0	50		
4	NCE20EE006	MIDHUN MADHAV	3.0	3.0	4.0	4.0	8.0	9.0	9.0	40		
5	NCE20EE007	MIDHUN NATARAJAN	5.0	4.0	5.0	5.0	10.0	10.0	9.0	48		
6	NCE20EE008	MUHAMMED BADHUSHA S	3.0	4.0	5.0	4.0	8.0	9.0	9.0	42		
7	NCE20EE009	NIBIN R	3.0	3.0	4.0	4.0	8.0	9.0	9.0	40		
8	NCE20EE010	RIDHUL R	4.0	3.0	3.0	3.0	6.0	6.0	7.0	32		
9	NCE20EE011	SREERAG A	3.0	3.0	4.0	4.0	8.0	9.0	9.0	40		
10	NCE20EE012	SREYA P M	5.0	5.0	5.0	5.0	10.0	10.0	10.0	50		
11	NCE20EE013	S RIDHESH	3.0	3.0	4.0	4.0	8.0	9.0	9.0	40		
12	NCE20EE014	SUBIN S	5.0	5.0	5.0	5.0	10.0	10.0	10.0	50		
13	LNCE20EE016	ABIDH A	3.0	3.0	4.0	4.0	8.0	9.0	9.0	40		
14	LNCE20EE017	ANANDU PRAVEEN G	5.0	5.0	5.0	5.0	10.0	10.0	10.0	50		
15	LNCE20EE018	ARJUN V	5.0	5.0	5.0	5.0	10.0	10.0	10.0	50		



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Department:	DEPARTMENT OF CSE				Programme	B Tech CSE	Academic Year	2023-24	Version=0																
Course:	ARTIFICIAL INTELLIGENCE				Course code	CST401	Semester:	7																	
Faculty name	Mr.Santhosh				Course type	Theory	Total Strength	45																	
Internal Marks:	50	University Marks:	100	CO - PO/PSO Mapping																					
Level 3 (% Hours):		Lecture Hours (L):	2	<table border="1"> <thead> <tr> <th>Course Outcome</th> <th>PO/ PSO Mapping</th> <th>No of Hours</th> </tr> </thead> <tbody> <tr> <td>CO1</td> <td>PO1,PSO1</td> <td>7</td> </tr> <tr> <td>CO2</td> <td>PO1, PO2,PO12, PSO1</td> <td>7</td> </tr> <tr> <td>CO3</td> <td>PO1,PO2, PO3,PO4,PO12,PSO2</td> <td>7</td> </tr> <tr> <td>CO4</td> <td>PO1,PO2, PO3,PO4,PO12,PSO2</td> <td>9</td> </tr> <tr> <td>CO5</td> <td>PO1, PO2, PO5,PO12,PSO1</td> <td>6</td> </tr> <tr> <td colspan="2">Total No. of Hours</td> <td>36</td> </tr> </tbody> </table>	Course Outcome	PO/ PSO Mapping	No of Hours	CO1	PO1,PSO1	7	CO2	PO1, PO2,PO12, PSO1	7	CO3	PO1,PO2, PO3,PO4,PO12,PSO2	7	CO4	PO1,PO2, PO3,PO4,PO12,PSO2	9	CO5	PO1, PO2, PO5,PO12,PSO1	6	Total No. of Hours		36
Course Outcome	PO/ PSO Mapping	No of Hours																							
CO1	PO1,PSO1	7																							
CO2	PO1, PO2,PO12, PSO1	7																							
CO3	PO1,PO2, PO3,PO4,PO12,PSO2	7																							
CO4	PO1,PO2, PO3,PO4,PO12,PSO2	9																							
CO5	PO1, PO2, PO5,PO12,PSO1	6																							
Total No. of Hours		36																							
Level 2 (% Hours):		Tutorial Hours (T):	1																						
Level 1 (% Hours):		Practical Hours (P):	0																						
Target and Level Assignment																									
	ST1	ST2	ESE	Assignment																					
Target Marks %	50%	50%	40%	80%																					
Claim Population																									
Level 1	70%																								
Level 2	80%																								
Level 3	90%																								
Level 1	70% of students (out of 45) scoring more than 50% marks out relevant total in series test and end semester examinations																								
Level 2	80 % of students (out of 45) scoring more than 50% marks out relevant total in series test and end semester examinations																								
Level 3	90 % of students (out of 45) scoring more than 50% marks out relevant total in series test and end semester examinations																								

Overall Course Attainment		
Criteria	%	Attainment Value by
Series Test 1	20%	1.33
Series Test 2	20%	0.67
Assignment	30%	3.00
End Sem Exam	30%	3.00
Direct Assessment	80%	2.20
Indirect Assessment	20%	3.00
Overall Attainment		2.36

Signature

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Subject	ARTIFICIAL INTELLIGENCE	Faculty Name	: Mr.Santhosh
Course Code	CST401	Semester, AY	: SEMESTER = S7 AY = 2023-24

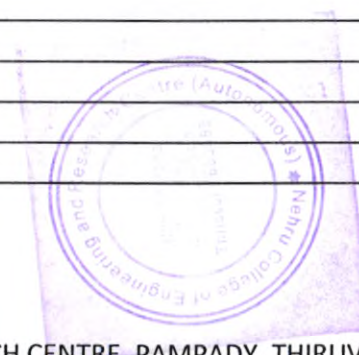
Acheived Attainment Level information

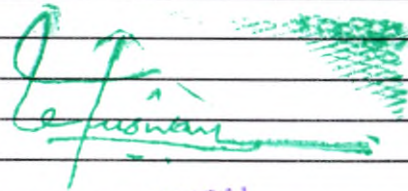
Criteria	CO1	CO2	CO3	CO4	CO5	CO6
Series Test 1	Level - 1	Level - 1	Level - 2	Level - NA	Level - NA	Level - NA
Series Test 2	Level - NA	Level - NA	Level - 1	Level - 1	Level - 0	Level - NA
Assignment	Level - NA	Level - 3	Level - 3	Level - 3	Level - NA	Level - NA
End Semester Exam	Level - 3 Achieved					

Minimum Level of Attainment 3

Action Points on Level = 2 (or Below) for CO's of Each Criteria

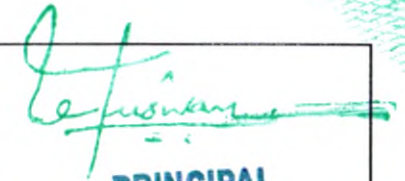
Criteria	Action Points / Remarks




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CO/Course - PO/PSO Mapping	
Department:	DEPARTMENT OF CSE
Course:	ARTIFICIAL INTELLIGENCE
1. All the highlighted fields has to be filled (for marks enter 0). Course type is Theory, Practical or Project (ensure correct spelling)	
2. Enter the preferred minimum Level of Attainment for the subject. Select 0, 1, 2 or 3. Enter Action points based on the level selected	
3. CO - PO/PSO Mapping: a. Enter all the POs and PSOs corresponding to each CO in the CO - PO/PSO Mapping table b. Enter the total number of hours for each CO in the CO - PO/PSO Mapping table	
4. CO-PO/PSO Mapping Entry: Enter as per the mapping given in syllabus	
5. CO-PO/PSO Mapping Entry a. Enter the number of hours contributed to each CO in CO-PO/PSO Mapping Entry table b. Enter the CO-PO mapping as given in the syllabus in the Mapping of Course Outcomes with Program Outcomes table c. Keep the field BLANK (no entries, do not use blank space or any characters) if the PO/PSO entry corresponds to the CO is not there in all Entry tables	
Strength of mapping is defined at three levels: Slight or Low (Level 1); Moderate or Medium (Level 2) and Substantial or high (Level 3)	
Mapping Criteria: If Hours for CO-PO/PSO - As per the Mapping given in syllabus by KTU	

For any Clarifications/Suggestions Please Contact Dr.Girish Chandran V


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Course Outcomes	
CO1	Identify the power generating system appropriate for a given area
CO2	Evaluate the electrical performance of any transmission line
CO3	Compute various physical characteristics of underground and overhead transmission systems
CO4	Select appropriate switchgear for protection schemes
CO5	Design a simple electrical distribution system as per the standards
CO6	

Mapping of Course Outcomes with Program Outcomes

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12		PSO1	PSO2	PSO3
CO1	3													3		
CO2	3	3												3		
CO3	3	3				2	2	2							3	
CO4	3	2				2		2				1			3	
CO5	3	1				2	2	2			1	2			3	

PO Attainment - ARTIFICIAL INTELLIGENCE CST401 ,Sem-7 AY - 2023-24

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12		PSO1	PSO2	PSO3
CO1	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		2.00	0.00	0.00
CO2	2.33	2.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		2.33	0.00	0.00
CO3	2.25	2.25	0.00	0.00	0.00	1.50	1.50	1.50	0.00	0.00	0.00	0.00		0.00	2.25	0.00
CO4	2.33	1.56	0.00	0.00	0.00	1.56	0.00	1.56	0.00	0.00	0.00	0.78		0.00	2.33	0.00
CO5	1.50	0.50	0.00	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.50	1.00		0.00	1.50	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
Overall for course	2.08	1.33	0.00	0.00	0.00	0.81	0.50	0.81	0.00	0.00	0.10	0.36		0.87	1.22	0.00

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I Programme: COMPUTER SCIENCE ENGINEERING
Year & Sem: IV & S7 CSE A (2023-24)
Course Code & Name: MCN 401

Sl	Reg No	Name	SERIES TEST1						SERIES TEST2						ASSIGNMENT TEST						UNIV EXAM/10	UNIV RESULT
			CO1	CO2	CO3	CO4	CO5	Total Mark (12.5)	CO1	CO2	CO3	CO4	CO5	Total Mark (12.5)	CO1	CO2	CO3	CO4	CO5	Total Mark (60)		
1	NCE20CS001	AARATHI P	5	5	2			12			2	4.25	4.75	11	12	12	12	12	12	60	9	A+
2	NCE20CS002	ABHIJITH GIRISH K	3	2	0			5			1.5	4	0.75	6.25	12	12	11	10	11	56	0	F
3	NCE20CS003	ABHILASH H	3	2	0			5			1.75	2	2.75	6.5	12	12	12	12	12	60	0	F
4	NCE20CS004	ABHIJITH S	2.75	5	1.75			9.5			2	4.75	4.75	11.5	12	12	12	12	12	60	7.5	B
5	NCE20CS005	ADARSH P K	2.75	3	1.75			7.5			1.25	2	2	5.25	12	12	12	12	12	60	7	C+
6	NCE20CS006	ADITHYA	5	5	2			12			2	5	5	12	12	12	12	12	12	60	10	S
7	NCE20CS007	ADITHYAN V	5	5	2			12			2	5	5	12	12	12	12	12	12	60	8.5	A
8	NCE20CS008	ADITYA P	3	2	0.75			5.75			1.75	2.5	2.75	7	12	12	11	10	11	56	6	D
9	NCE20CS009	AJAYKRISHNA C S	2.5	2.25	1.5			6.25			1.75	2	2.75	6.5	12	12	11	10	11	56	5.5	P
10	NCE20CS010	AJAY P	3.25	2	1.75			7			1.75	2	2.75	6.5	12	12	12	12	12	60	6.5	C
11	NCE20CS011	AKASH S	2.5	2.75	1.5			6.75			1.75	3	3.75	8.5	11	10	9	9	9	48	5.5	P
12	NCE20CS012	AKSHARA C S	2.5	4.75	1.5			8.75			1.75	4.75	3.75	10.25	12	12	12	12	12	60	7.5	B
13	NCE20CS013	AKSHAY KRISHNAN	2.75	3	1.75			7.5			2	3	3.75	8.75	12	12	12	12	12	60	6.5	C
14	NCE20CS014	AKSHAY T	2.75	3	1.75			7.5			1.75	3	3.75	8.5	12	12	12	12	12	60	7	C+
15	NCE20CS015	AMAL P D	3	2	0			5			1.75	2	2.75	6.5	12	12	12	12	12	60	0	F
16	NCE20CS016	ANAND M	2.75	3	1.75			7.5			1.25	2.5	2	5.75	12	12	12	12	12	60	5.5	P
17	NCE20CS017	ANAND MADHAVAN	2.5	2.75	1.5			6.75			1.5	4	0.75	6.25	12	12	11	10	11	56	6	D
18	NCE20CS018	ANANTHU K	2.5	2.75	1.5			6.75			2	2.5	2.75	7.25	12	12	12	12	12	60	6	D
19	NCE20CS019	ANASWARA C	2.5	4.5	1.5			8.5			2	4.25	4.75	11	12	12	12	12	12	60	9	A+
20	NCE20CS020	ANEK SEKHAR P	3	2	0			5			1.75	2	2.75	6.5	12	12	12	12	12	60	7.5	B
21	NCE20CS021	ANIRUDHAN P	2.5	4.5	1.5			8.5			2	4.5	4.75	11.25	12	12	12	12	12	60	8	B+
22	NCE20CS022	ANIRUDHAN P M	2.5	2.75	1.5			6.75			1.5	4	0.75	6.25	12	12	11	10.8	11	56.8	6	D
23	NCE20CS023	ANJALI NANDANA V P	2.75	5	1.5			9.25			2.25	5	5	12.25	12	12	12	12	12	60	9	A+
24	NCE20CS024	ANJANA CHANDRAN	3.75	4.25	2.25			10.25			2	5	5	12	12	12	12	12	12	60	8.5	A
25	NCE20CS025	ANUGRAH K	4.25	2	1.75			8			2	4	3.75	9.75	11	10	9	10.4	10	50.4	8	B+
26	NCE20CS026	ANUPAMA K A	4.25	5	2.5			11.75			2.25	5	5	12.25	12	12	12	12	12	60	10	S
27	NCE20CS027	ANUSREE K G	2.75	5	1.5			9.25			2	5	5	12	11	10	9	10.4	10	50.4	9	A+
28	NCE20CS028	APARNA V P	3.75	4.25	2.25			10.25			2	4.5	4.75	11.25	11	10	9	10.4	10	50.4	8.5	A
29	NCE20CS029	ARCHANA C S	4.25	4.25	2.25			10.75			2	4.5	4.75	11.25	12	12	12	12	12	60	8	B+
30	NCE20CS030	ARJUN K	3	2	0.75			5.75			1.5	4	0.75	6.25	12	12	12	12	12	60	6.5	C
31	NCE20CS031	ARYA K P	5	5	2.25			12.25			2.5	5	5	12.5	12	12	12	12	12	60	9	A+
32	NCE20CS032	ASHVIN SIBI	3	2	0			5			1.75	2	2.75	6.5	12	12	12	12	12	60	7.5	B
33	NCE20CS033	ASHWIN C	3	2	0.5			5.5			1.75	2	2.75	6.5	12	12	12	12	12	60	6	D
34	NCE20CS034	ASWIN MOHAN	3	2	0			5			1.75	2	2.75	6.5	12	12	12	12	12	60	5.5	P
35	NCE20CS035	ASWATHI K M	4.25	3	1.75			9			2	3.75	3.75	9.5	12	12	12	12	12	60	7.5	B
36	NCE20CS036	ASWATH V	2.5	2.75	1			6.25			2	3	4.25	9.25	12	12	12	12	12	60	8	B+
37	NCE20CS037	ASWINDAS C H	3	2	0			5			1.75	2	2.75	6.5	12	12	12	12	12	60	6	D
38	NCE20CS038	AVINASH M P	3	2	0.25			5.25			1.5	4	0.75	6.25	12	12	12	12	12	60	6.5	C
39	NCE20CS039	BASIL P SUNNY	3.25	2.25	0.25			5.75			1.75	2	2.75	6.5	12	12	11	10	11	56	6	D
40	NCE20CS040	C S GIRISH	3	2	0.25			5.25			1.75	2	2.75	6.5	12	12	12	12	12	60	7	C+
41	NCE20CS041	C SWETHA	2.5	4.75	1.5			8.75			2	4	4.5	10.5	12	12	12	12	12	60	8	B+
42	NCE20CS042	DANIEL SURESH	4.25	4.25	2.25			10.75			2.25	4	4.5	10.75	12	12	12	12	12	60	8.5	A
43	NCE20CS043	DEEPAK K	2.75	5	1.75			9.5			2	4	4.5	10.5	12	12	12	12	12	60	8	B+
44	NCE20CS044	DITNA S	3.75	4.25	2.25			10.25			2	2	4.25	8.25	12	12	12	12	12	60	8	B+
NO OF STUDENTS ATTENDED			44	44	44	0	0	44	0	0	44	44	44	44	44	44	44	44	44	44	44	
MAX MARK CO WISE			5	5	2.5	0	0	12.5	0	0	2.5	5	5	12.5	12	12	12	12	12	60	10	

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THRESHOLD	50	2.5	2.5	1.25	0	0	6.25	0	0	1.25	2.5	2.5	6.25	6	6	6	6	6	30	6
	CO/ No of students above threshold	44	28	30	0	0	31	0	0	44	31	37	42	44	44	44	44	44	44	37
	LEVEL	3	2	2	0	0	3	0	0	3	3	3	3	3	3	3	3	3	3	3

RUBRICS	
22	50% OF STUDENT ABOVE 60% - 1 (LOW)
26	60% OF STUDENT ABOVE 60% - 2 (MEDIUM)
31	70% OF STUDENT ABOVE 60% - 3 (HIGH)

C101	TEST1	TEST2	ASSG	INT	UNIV
CO1	3	0	3	3.00	3
CO2	2	0	3	2.50	3
CO3	2	3	3	2.67	3
CO4	0	3	3	3.00	3
CO5	0	3	3	3.00	3
INTERNAL/UNIV ATTAINMENTS				2.83	3.00
WEIGHTAGE				30%	70%
CO ATTAINMENT FOR THE SUB				0.85	2.10
FINAL CO ATTAINMENT FOR T				2.95	

CO Vs PO															
SUBJECT															
COURSE CODE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C404.1	2	2				2	2	2				1	1		
C404.2	2	1	2		1	1	1	1				1	1		
C404.3	2	2	2		1	1	1	1	1	1		1	1		
C404.4	2	2	2		1	1	1	1	1	1		1	1		
C404.5	2	2	2	1	1	1	1	1	1	1		1	1		
C404	2	1.8	2	1	1	1.2	1.2	1.2	1	1		1	1		
CO ATTAINM	1.97	1.77	1.97	0.98	0.98	1.18	1.18	1.18	0.98	0.98	0	0.98	0.98		



[Signature]
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 Thiruvilwamala, Thrissur - 686 015

ASSIGNMENT NO : 02.

ASSIGNMENT.

Subject Name: International Business.

Submission Date: 24/09/2024

Submitted by,
SOWMYA. M
NCE23MBA50
NSM.

ae

Submitted to.
Dr. N. Shankar
Faculty - in-charge
IB
NSM.

de



Lejusian

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