

# **Comprehensive Course Assessment Report**

## *CO Attainment Analysis*

Generated on: May 10, 2025

*This report includes question papers, student marks, and statistical analysis  
for all examination components of the course.*

# Sessional 1 - Question Paper

Questions with Course Outcome (CO) mapping

Q.No.	Question	Marks	CO	Bloom's Level
1a	something	1	1	Remember
1b	something	1	2	Remember
1c	something	1	3	Remember
1d	something	1	2	Remember
1e	something	1	3	Remember
2a	something	3	1	Apply
2b	something	2	1	Understand
3(a)	something	3	2	Understand
3(b)	something	2	2	Remember
4a	something	3	3	Analyze
4(b)	something	2	3	Apply
5a	something	5	4	Apply
6a	something	3	3	Understand
6b	something	2	3	Apply

## Sessional 1 - Student Marks

Number of Students: 68, Average: 20.74, Highest: 30.00, Lowest: 0.00

S.No	Roll No.	Student Name	Total
1	CO21501	Aakarshika Sharma	27
2	CO21503	Abhijeet Rana	25
3	CO21504	Abhinash	21
4	CO21506	Abhishek Kumar	20
5	CO21509	Akshita Agarwal	23
6	CO21510	Aman Goel	21
7	CO21511	Aman Gupta	22
8	CO21512	Aman Kumar	30
9	CO21513	Ananya Sheoran	0
10	CO21515	Anju Devi	29
11	CO21517	Anubhav Kashyap	26
12	CO21518	Arjun	25
13	CO21519	Arpit Kamboj	21
14	CO21520	Arshia	22
15	CO21525	Babalpreet Kaur	20
16	CO21530	Daulat Singh	25
17	CO21532	Gopesh Kishore	24
18	CO21533	Gourav	0
19	CO21535	Harshita Maheshwari	25
20	CO21540	Karanpreet Singh	30
21	CO21542	Kritika Thakur	28
22	CO21544	Lavanya	24
23	CO21545	Manseerat Kaur	29
24	CO21546	Manveer Singh	28
25	CO21549	Nakul Rawat	22
26	CO21551	Palak Prasher	23
27	CO21552	Pranshul Sharma	26
28	CO21553	Presh Chaudhary	25
29	CO21556	Rhythm Verma	21

## Sessional 1 - Student Marks (Continued)

S.No	Roll No.	Student Name	Total
30	CO21559	Rohit	0
31	CO21563	Shiwang Dwivedi	15
32	CO21564	Shweta Bhardwaj	27
33	CO21565	Sukhjot Singh	26
34	CO21568	Vivek Kumar	14
35	CO21570	Vanshika Sharma	26
36	CO21571	Shivani Chib	29
37	LCO215100	Sakshi	13
38	LCO215103	Shruti Chandel	24
39	LCO215104	Surbhi	21
40	LCO215106	Vaibhav Singh	15
41	LCO215107	Yugam Gupta	18
42	LCO21583	Aditya Bathla	16
43	LCO21584	Amandeep Singh	22
44	LCO21585	Ankush Verma	25
45	LCO21586	Arjun Guleria	19
46	LCO21587	Deepanshu Saddi	17
47	LCO21589	Divyam Bali	22
48	LCO21590	J Shiva Kumar	5
49	LCO21591	Komal	15
50	LCO21592	Lokesh Yadav	27
51	LCO21593	Mohammad Irfan	14
52	LCO21594	Nikhil Yadav	19
53	LCO21595	Nisha Savita	29
54	LCO21596	Prabhjot Singh	20
55	LCO21597	Prabhsimran Singh	20
56	LCO21598	Pranjal Agrawal	29
57	LCO21599	Pushkar	23
58	MCO21572	Aman Sharma	0
59	MCO21573	Aniket Verma	12

## Sessional 1 - Student Marks (Continued)

S.No	Roll No.	Student Name	Total
60	MCO21574	Namay Chaudhary	23
61	MCO21575	Prakhar Vashistha	21
62	MCO21576	Rajeev Khare	22
63	MCO21577	Sakshi Kumari	25
64	MCO21578	Soham Jaiswal	24
65	MCO21579	Sparsh Mehta	23
66	MCO21580	Himanshu Kashyap	4
67	MCO21581	Rudar Thakur	25
68	MCO21582	Shubham Ranjan	19

## Sessional 1 - CO-wise Marks and Percentages

Step B & C: CO-wise Marks and % per Student

Roll No.	Student Name	CO1 Marks	CO1 %	CO2 Marks	CO2 %	CO3 Marks	CO3 %	CO4 Marks	CO4 %
CO21501	Aakarshika Sharma	6.0	100.0	6.0	85.71	10.0	83.33	5.0	100.0
CO21503	Abhijeet Rana	3.0	50.0	7.0	100.0	10.0	83.33	4.5	90.0
CO21504	Abhinash	4.5	75.0	4.5	64.29	7.0	58.33	4.5	90.0
CO21506	Abhishek Kumar	4.0	66.67	5.5	78.57	8.5	70.83	2.0	40.0
CO21509	Akshita Agarwal	4.5	75.0	5.5	78.57	10.0	83.33	3.0	60.0
CO21510	Aman Goel	5.0	83.33	6.5	92.86	5.0	41.67	4.0	80.0
CO21511	Aman Gupta	5.0	83.33	6.5	92.86	7.0	58.33	3.0	60.0
CO21512	Aman Kumar	6.0	100.0	6.5	92.86	12.0	100.0	5.0	100.0
CO21513	Ananya Sheoran	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CO21515	Anju Devi	6.0	100.0	6.0	85.71	11.5	95.83	5.0	100.0
CO21517	Anubhav Kashyap	5.5	91.67	6.5	92.86	9.0	75.0	5.0	100.0
CO21518	Arjun	5.0	83.33	5.5	78.57	10.0	83.33	4.5	90.0
CO21519	Arpit Kamboj	3.0	50.0	3.5	50.0	9.0	75.0	5.0	100.0
CO21520	Arshia	6.0	100.0	4.0	57.14	8.0	66.67	3.5	70.0
CO21525	Babalpreet Kaur	3.0	50.0	2.5	35.71	9.0	75.0	5.0	100.0
CO21530	Daulat Singh	6.0	100.0	6.0	85.71	9.0	75.0	3.5	70.0
CO21532	Gopesh Kishore	6.0	100.0	6.0	85.71	8.5	70.83	3.0	60.0
CO21533	Gourav	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CO21535	Harshita Maheshwari	6.0	100.0	5.5	78.57	9.0	75.0	4.5	90.0
CO21540	Karanpreet Singh	6.0	100.0	6.5	92.86	12.5	104.17	4.5	90.0
CO21542	Kritika Thakur	5.0	83.33	6.5	92.86	11.0	91.67	5.0	100.0
CO21544	Lavanya	5.5	91.67	6.5	92.86	9.0	75.0	3.0	60.0
CO21545	Manseerat Kaur	6.0	100.0	7.0	100.0	11.0	91.67	5.0	100.0
CO21546	Manveer Singh	5.5	91.67	7.0	100.0	11.0	91.67	4.5	90.0
CO21549	Nakul Rawat	6.0	100.0	6.0	85.71	6.0	50.0	3.5	70.0
CO21551	Palak Prasher	6.0	100.0	5.0	71.43	6.5	54.17	5.0	100.0
CO21552	Pranshul Sharma	6.0	100.0	7.0	100.0	7.5	62.5	5.0	100.0
CO21553	Presh Chaudhary	5.5	91.67	7.0	100.0	9.0	75.0	3.0	60.0
CO21556	Rhythm Verma	5.0	83.33	4.5	64.29	8.5	70.83	2.5	50.0

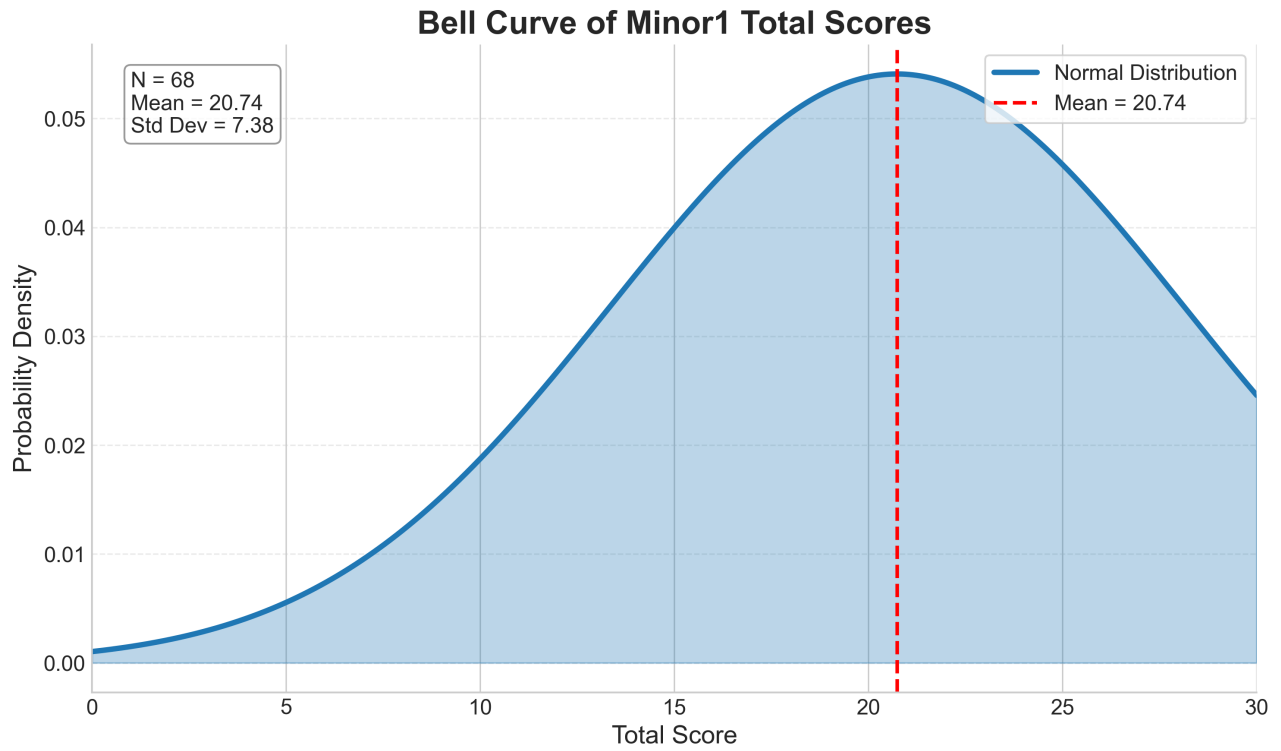
CO21559	Rohit	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CO21563	Shiwang Dwivedi	5.0	83.33	2.0	28.57	7.5	62.5	0.0	0.0
CO21564	Shweta Bhardwaj	6.0	100.0	6.0	85.71	10.0	83.33	5.0	100.0
CO21565	Sukhjot Singh	5.5	91.67	6.0	85.71	9.5	79.17	4.5	90.0
CO21568	Vivek Kumar	5.5	91.67	2.0	28.57	6.0	50.0	0.0	0.0
CO21570	Vanshika Sharma	5.0	83.33	6.0	85.71	10.0	83.33	5.0	100.0
CO21571	Shivani Chib	6.0	100.0	7.0	100.0	12.0	100.0	4.0	80.0
LCO215100	Sakshi	5.5	91.67	5.0	71.43	2.0	16.67	0.0	0.0
LCO215103	Shruti Chandel	6.0	100.0	6.5	92.86	8.5	70.83	2.5	50.0
LCO215104	Surbhi	6.0	100.0	7.0	100.0	7.5	62.5	0.0	0.0
LCO215106	Vaibhav Singh	5.5	91.67	4.5	64.29	3.0	25.0	2.0	40.0
LCO215107	Yugam Gupta	6.0	100.0	7.0	100.0	5.0	41.67	0.0	0.0
LCO21583	Aditya Bathla	5.5	91.67	6.5	92.86	3.5	29.17	0.0	0.0
LCO21584	Amandeep Singh	5.0	83.33	6.0	85.71	8.0	66.67	2.5	50.0
LCO21585	Ankush Verma	6.0	100.0	7.0	100.0	9.5	79.17	2.0	40.0
LCO21586	Arjun Guleria	5.5	91.67	5.5	78.57	4.5	37.5	3.0	60.0
LCO21587	Deepanshu Saddi	4.0	66.67	4.0	57.14	5.5	45.83	3.0	60.0
LCO21589	Divyam Bali	4.0	66.67	7.0	100.0	7.0	58.33	3.5	70.0
LCO21590	J Shiva Kumar	4.5	75.0	0.0	0.0	0.0	0.0	0.0	0.0
LCO21591	Komal	6.5	108.33	5.5	78.57	2.5	20.83	0.0	0.0
LCO21592	Lokesh Yadav	6.0	100.0	7.0	100.0	10.5	87.5	3.0	60.0
LCO21593	Mohammad Irfan	3.5	58.33	4.0	57.14	4.5	37.5	2.0	40.0
LCO21594	Nikhil Yadav	3.0	50.0	5.0	71.43	8.0	66.67	3.0	60.0
LCO21595	Nisha Savita	6.0	100.0	6.5	92.86	11.5	95.83	5.0	100.0
LCO21596	Prabhjot Singh	4.0	66.67	7.0	100.0	5.5	45.83	3.0	60.0
LCO21597	Prabhsimran Singh	5.5	91.67	4.5	64.29	7.5	62.5	2.0	40.0
LCO21598	Pranjal Agrawal	6.0	100.0	7.0	100.0	11.5	95.83	4.0	80.0
LCO21599	Pushkar	6.0	100.0	5.0	71.43	9.0	75.0	3.0	60.0
MCO21572	Aman Sharma	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MCO21573	Aniket Verma	3.5	58.33	3.0	42.86	3.0	25.0	2.0	40.0
MCO21574	Namay Chaudhary	4.0	66.67	6.5	92.86	9.0	75.0	3.5	70.0
MCO21575	Prakhar Vashistha	6.0	100.0	6.5	92.86	4.5	37.5	3.5	70.0
MCO21576	Rajeev Khare	5.0	83.33	6.0	85.71	7.0	58.33	3.5	70.0

MCO21577	Sakshi Kumari	5.5	91.67	7.0	100.0	9.0	75.0	3.0	60.0
MCO21578	Soham Jaiswal	5.5	91.67	6.5	92.86	7.0	58.33	4.5	90.0
MCO21579	Sparsh Mehta	5.5	91.67	5.0	71.43	8.0	66.67	4.0	80.0
MCO21580	Himanshu Kashyap	2.0	33.33	2.0	28.57	0.0	0.0	0.0	0.0
MCO21581	Rudar Thakur	5.5	91.67	6.0	85.71	9.5	79.17	3.5	70.0
MCO21582	Shubham Ranjan	4.5	75.0	4.5	64.29	5.5	45.83	4.0	80.0



# Sessional 1 - Score Distribution

Statistical distribution of student scores



## Sessional 2 - Question Paper

*Questions with Course Outcome (CO) mapping*

Q.No.	Question	Marks	CO	Bloom's Level
1a	something	1	4	Remember
1b	something	1	4	Understand
1(c)	something	1	3	Understand
1(d)	something	1	2	Understand
1(e)	something	1	4	Understand
2(a)	something	5	4	Understand
3(a)	something	5	3	Apply
4a	something	3	3	Understand
4(b)	something	2	4	Understand
5(a)	something	5	4	Analyze
6(a)	something	3	3	Understand
6(b)	something	2	3	Understand

## Sessional 2 - Student Marks

Number of Students: 68, Average: 5.82, Highest: 30.00, Lowest: 0.00

S.No	Roll No.	Student Name	Total
1	CO21501	Aakarshika Sharma	23
2	CO21503	Abhijeet Rana	0
3	CO21504	Abhinash	0
4	CO21506	Abhishek Kumar	0
5	CO21509	Akshita Agarwal	0
6	CO21510	Aman Goel	29
7	CO21511	Aman Gupta	26
8	CO21512	Aman Kumar	0
9	CO21513	Ananya Sheoran	24
10	CO21515	Anju Devi	0
11	CO21517	Anubhav Kashyap	0
12	CO21518	Arjun	0
13	CO21519	Arpit Kamboj	0
14	CO21520	Arshia	0
15	CO21525	Babalpreet Kaur	0
16	CO21530	Daulat Singh	0
17	CO21532	Gopesh Kishore	0
18	CO21533	Gourav	24
19	CO21535	Harshita Maheshwari	0
20	CO21540	Karanpreet Singh	0
21	CO21542	Kritika Thakur	0
22	CO21544	Lavanya	0
23	CO21545	Manseerat Kaur	0
24	CO21546	Manveer Singh	0
25	CO21549	Nakul Rawat	0
26	CO21551	Palak Prasher	0
27	CO21552	Pranshul Sharma	0
28	CO21553	Presh Chaudhary	0
29	CO21556	Rhythm Verma	0

## Sessional 2 - Student Marks (Continued)

S.No	Roll No.	Student Name	Total
30	CO21559	Rohit	15
31	CO21563	Shiwang Dwivedi	0
32	CO21564	Shweta Bhardwaj	0
33	CO21565	Sukhjot Singh	0
34	CO21568	Vivek Kumar	0
35	CO21570	Vanshika Sharma	0
36	CO21571	Shivani Chib	0
37	LCO215100	Sakshi	18
38	LCO215103	Shruti Chandel	0
39	LCO215104	Surbhi	0
40	LCO215106	Vaibhav Singh	0
41	LCO215107	Yugam Gupta	27
42	LCO21583	Aditya Bathla	24
43	LCO21584	Amandeep Singh	0
44	LCO21585	Ankush Verma	24
45	LCO21586	Arjun Guleria	0
46	LCO21587	Deepanshu Saddi	0
47	LCO21589	Divyam Bali	0
48	LCO21590	J Shiva Kumar	20
49	LCO21591	Komal	22
50	LCO21592	Lokesh Yadav	0
51	LCO21593	Mohammad Irfan	0
52	LCO21594	Nikhil Yadav	0
53	LCO21595	Nisha Savita	0
54	LCO21596	Prabhjot Singh	0
55	LCO21597	Prabhsimran Singh	0
56	LCO21598	Pranjal Agrawal	0
57	LCO21599	Pushkar	0
58	MCO21572	Aman Sharma	26
59	MCO21573	Aniket Verma	21

## Sessional 2 - Student Marks (Continued)

S.No	Roll No.	Student Name	Total
60	MCO21574	Namay Chaudhary	0
61	MCO21575	Prakhar Vashistha	29
62	MCO21576	Rajeev Khare	30
63	MCO21577	Sakshi Kumari	0
64	MCO21578	Soham Jaiswal	0
65	MCO21579	Sparsh Mehta	0
66	MCO21580	Himanshu Kashyap	14
67	MCO21581	Rudar Thakur	0
68	MCO21582	Shubham Ranjan	0

## Sessional 2 - CO-wise Marks and Percentages

Step B & C: CO-wise Marks and % per Student

Roll No.	Student Name	CO2 Marks	CO2 %	CO3 Marks	CO3 %	CO4 Marks	CO4 %
CO21501	Aakarshika Sharma	1.0	100.0	11.5	82.14	10.0	66.67
CO21503	Abhijeet Rana	0.0	0.0	0.0	0.0	0.0	0.0
CO21504	Abhinash	0.0	0.0	0.0	0.0	0.0	0.0
CO21506	Abhishek Kumar	0.0	0.0	0.0	0.0	0.0	0.0
CO21509	Akshita Agarwal	0.0	0.0	0.0	0.0	0.0	0.0
CO21510	Aman Goel	1.0	100.0	11.0	78.57	16.5	110.0
CO21511	Aman Gupta	0.5	50.0	11.5	82.14	13.5	90.0
CO21512	Aman Kumar	0.0	0.0	0.0	0.0	0.0	0.0
CO21513	Ananya Sheoran	1.0	100.0	10.0	71.43	12.5	83.33
CO21515	Anju Devi	0.0	0.0	0.0	0.0	0.0	0.0
CO21517	Anubhav Kashyap	0.0	0.0	0.0	0.0	0.0	0.0
CO21518	Arjun	0.0	0.0	0.0	0.0	0.0	0.0
CO21519	Arpit Kamboj	0.0	0.0	0.0	0.0	0.0	0.0
CO21520	Arshia	0.0	0.0	0.0	0.0	0.0	0.0
CO21525	Babalpreet Kaur	0.0	0.0	0.0	0.0	0.0	0.0
CO21530	Daulat Singh	0.0	0.0	0.0	0.0	0.0	0.0
CO21532	Gopesh Kishore	0.0	0.0	0.0	0.0	0.0	0.0
CO21533	Gourav	1.0	100.0	10.0	71.43	13.0	86.67
CO21535	Harshita Maheshwari	0.0	0.0	0.0	0.0	0.0	0.0
CO21540	Karanpreet Singh	0.0	0.0	0.0	0.0	0.0	0.0
CO21542	Kritika Thakur	0.0	0.0	0.0	0.0	0.0	0.0
CO21544	Lavanya	0.0	0.0	0.0	0.0	0.0	0.0
CO21545	Manseerat Kaur	0.0	0.0	0.0	0.0	0.0	0.0
CO21546	Manveer Singh	0.0	0.0	0.0	0.0	0.0	0.0
CO21549	Nakul Rawat	0.0	0.0	0.0	0.0	0.0	0.0
CO21551	Palak Prasher	0.0	0.0	0.0	0.0	0.0	0.0
CO21552	Pranshul Sharma	0.0	0.0	0.0	0.0	0.0	0.0
CO21553	Presh Chaudhary	0.0	0.0	0.0	0.0	0.0	0.0
CO21556	Rhythm Verma	0.0	0.0	0.0	0.0	0.0	0.0

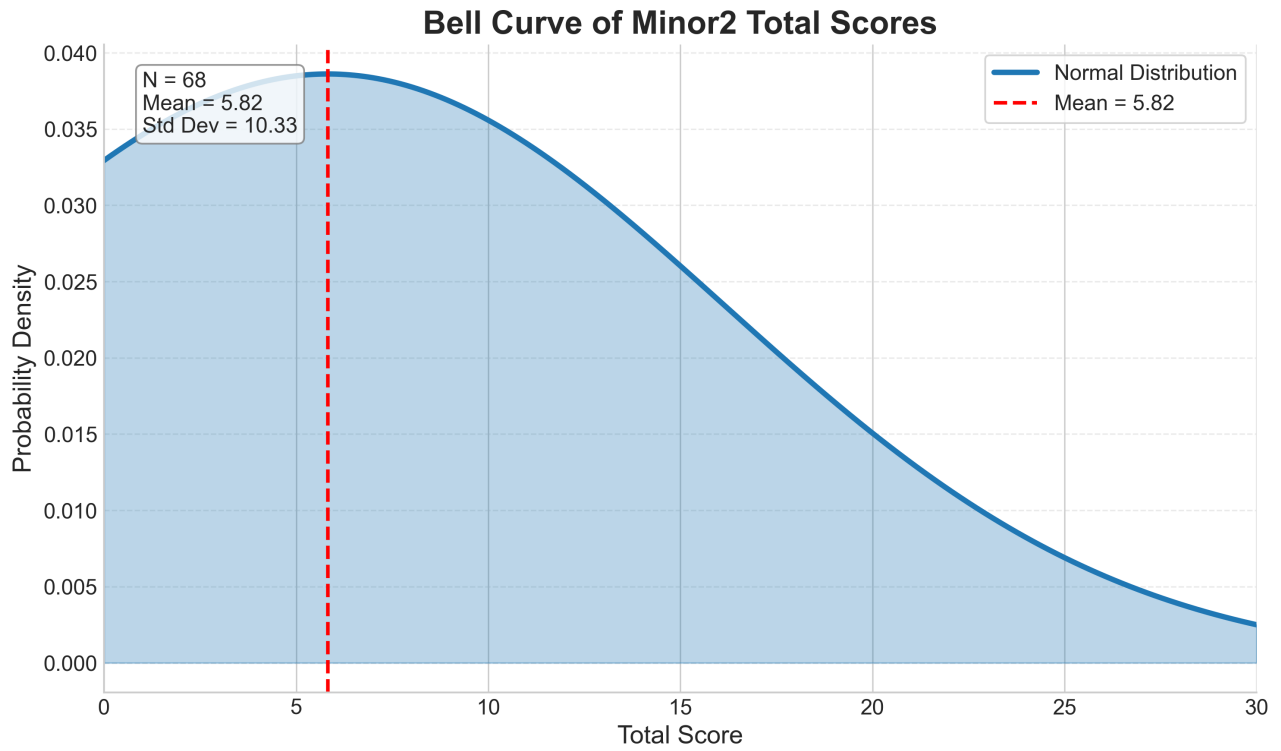
CO21559	Rohit	1.0	100.0	5.0	35.71	9.0	60.0
CO21563	Shiwang Dwivedi	0.0	0.0	0.0	0.0	0.0	0.0
CO21564	Shweta Bhardwaj	0.0	0.0	0.0	0.0	0.0	0.0
CO21565	Sukhjot Singh	0.0	0.0	0.0	0.0	0.0	0.0
CO21568	Vivek Kumar	0.0	0.0	0.0	0.0	0.0	0.0
CO21570	Vanshika Sharma	0.0	0.0	0.0	0.0	0.0	0.0
CO21571	Shivani Chib	0.0	0.0	0.0	0.0	0.0	0.0
LCO215100	Sakshi	0.0	0.0	12.0	85.71	6.0	40.0
LCO215103	Shruti Chandel	0.0	0.0	0.0	0.0	0.0	0.0
LCO215104	Surbhi	0.0	0.0	0.0	0.0	0.0	0.0
LCO215106	Vaibhav Singh	0.0	0.0	0.0	0.0	0.0	0.0
LCO215107	Yugam Gupta	1.0	100.0	12.0	85.71	14.0	93.33
LCO21583	Aditya Bathla	1.0	100.0	10.5	75.0	12.5	83.33
LCO21584	Amandeep Singh	0.0	0.0	0.0	0.0	0.0	0.0
LCO21585	Ankush Verma	1.0	100.0	10.0	71.43	13.0	86.67
LCO21586	Arjun Guleria	0.0	0.0	0.0	0.0	0.0	0.0
LCO21587	Deepanshu Saddi	0.0	0.0	0.0	0.0	0.0	0.0
LCO21589	Divyam Bali	0.0	0.0	0.0	0.0	0.0	0.0
LCO21590	J Shiva Kumar	1.0	100.0	6.5	46.43	12.0	80.0
LCO21591	Komal	1.0	100.0	9.0	64.29	12.0	80.0
LCO21592	Lokesh Yadav	0.0	0.0	0.0	0.0	0.0	0.0
LCO21593	Mohammad Irfan	0.0	0.0	0.0	0.0	0.0	0.0
LCO21594	Nikhil Yadav	0.0	0.0	0.0	0.0	0.0	0.0
LCO21595	Nisha Savita	0.0	0.0	0.0	0.0	0.0	0.0
LCO21596	Prabhjot Singh	0.0	0.0	0.0	0.0	0.0	0.0
LCO21597	Prabhsimran Singh	0.0	0.0	0.0	0.0	0.0	0.0
LCO21598	Pranjal Agrawal	0.0	0.0	0.0	0.0	0.0	0.0
LCO21599	Pushkar	0.0	0.0	0.0	0.0	0.0	0.0
MCO21572	Aman Sharma	1.0	100.0	11.5	82.14	13.0	86.67
MCO21573	Aniket Verma	1.0	100.0	6.5	46.43	13.0	86.67
MCO21574	Namay Chaudhary	0.0	0.0	0.0	0.0	0.0	0.0
MCO21575	Prakhar Vashistha	1.0	100.0	13.5	96.43	14.0	93.33
MCO21576	Rajeev Khare	1.0	100.0	14.0	100.0	14.5	96.67

MCO21577	Sakshi Kumari	0.0	0.0	0.0	0.0	0.0	0.0
MCO21578	Soham Jaiswal	0.0	0.0	0.0	0.0	0.0	0.0
MCO21579	Sparsh Mehta	0.0	0.0	0.0	0.0	0.0	0.0
MCO21580	Himanshu Kashyap	1.0	100.0	4.5	32.14	8.0	53.33
MCO21581	Rudar Thakur	0.0	0.0	0.0	0.0	0.0	0.0
MCO21582	Shubham Ranjan	0.0	0.0	0.0	0.0	0.0	0.0



# Sessional 2 - Score Distribution

Statistical distribution of student scores



# Final Exam - Question Paper

Questions with Course Outcome (CO) mapping

Q.No.	Question	Marks	CO	Bloom's Level
1(a)	something	2	4	Remember
1(b)	something	2	2	Remember
1(c)	something	2	1	Understand
1(d)	something	2	1	Remember
1(e)	something	2	3	Understand
2(a)	something	5	2	Apply
2(b)	something	5	2	Analyze
3(a)	something	5	4	Understand
3(b)	something	5	2	Analyze
4(a)	something	10	1	Analyze
5a	something	5	3	Apply
5(b)	something	5	4	Apply
6a	something	5	3	Analyze
6b	something	5	4	Apply
7(a)	something	5	4	Apply
7(b)	something	5	4	Apply

# Final Exam - Student Marks

Number of Students: 68, Average: 33.21, Highest: 45.00, Lowest: 0.00

S.No	Roll No.	Student Name	Total
1	CO21501	Aakarshika Sharma	38
2	CO21503	Abhijeet Rana	37
3	CO21504	Abhinash	29
4	CO21506	Abhishek Kumar	32
5	CO21509	Akshita Agarwal	35
6	CO21510	Aman Goel	43
7	CO21511	Aman Gupta	34
8	CO21512	Aman Kumar	40
9	CO21513	Ananya Sheoran	37
10	CO21515	Anju Devi	41
11	CO21517	Anubhav Kashyap	25
12	CO21518	Arjun	34
13	CO21519	Arpit Kamboj	38
14	CO21520	Arshia	33
15	CO21525	Babalpreet Kaur	37
16	CO21530	Daulat Singh	41
17	CO21532	Gopesh Kishore	35
18	CO21533	Gourav	29
19	CO21535	Harshita Maheshwari	35
20	CO21540	Karanpreet Singh	44
21	CO21542	Kritika Thakur	43
22	CO21544	Lavanya	33
23	CO21545	Manseerat Kaur	40
24	CO21546	Manveer Singh	32
25	CO21549	Nakul Rawat	39
26	CO21551	Palak Prasher	45
27	CO21552	Pranshul Sharma	42
28	CO21553	Presh Chaudhary	40
29	CO21556	Rhythm Verma	39

## Final Exam - Student Marks (Continued)

S.No	Roll No.	Student Name	Total
30	CO21559	Rohit	19
31	CO21563	Shiwang Dwivedi	38
32	CO21564	Shweta Bhardwaj	42
33	CO21565	Sukhjot Singh	30
34	CO21568	Vivek Kumar	0
35	CO21570	Vanshika Sharma	38
36	CO21571	Shivani Chib	43
37	LCO215100	Sakshi	24
38	LCO215103	Shruti Chandel	40
39	LCO215104	Surbhi	40
40	LCO215106	Vaibhav Singh	27
41	LCO215107	Yugam Gupta	28
42	LCO21583	Aditya Bathla	36
43	LCO21584	Amandeep Singh	43
44	LCO21585	Ankush Verma	41
45	LCO21586	Arjun Guleria	31
46	LCO21587	Deepanshu Saddi	40
47	LCO21589	Divyam Bali	0
48	LCO21590	J Shiva Kumar	41
49	LCO21591	Komal	37
50	LCO21592	Lokesh Yadav	32
51	LCO21593	Mohammad Irfan	28
52	LCO21594	Nikhil Yadav	0
53	LCO21595	Nisha Savita	40
54	LCO21596	Prabhjot Singh	0
55	LCO21597	Prabhsimran Singh	33
56	LCO21598	Pranjal Agrawal	42
57	LCO21599	Pushkar	39
58	MCO21572	Aman Sharma	30
59	MCO21573	Aniket Verma	28

## Final Exam - Student Marks (Continued)

S.No	Roll No.	Student Name	Total
60	MCO21574	Namay Chaudhary	42
61	MCO21575	Prakhar Vashistha	35
62	MCO21576	Rajeev Khare	44
63	MCO21577	Sakshi Kumari	40
64	MCO21578	Soham Jaiswal	37
65	MCO21579	Sparsh Mehta	29
66	MCO21580	Himanshu Kashyap	17
67	MCO21581	Rudar Thakur	34
68	MCO21582	Shubham Ranjan	0

# Final Exam - CO-wise Marks and Percentages

Step B & C: CO-wise Marks and % per Student

Roll No.	Student Name	CO1 Marks	CO1 %	CO2 Marks	CO2 %	CO3 Marks	CO3 %	CO4 Marks	CO4 %
CO21501	Aakarshika Sharma	4.0	28.57	14.0	82.35	11.0	91.67	9.0	33.33
CO21503	Abhijeet Rana	10.0	71.43	5.5	32.35	9.5	79.17	12.0	44.44
CO21504	Abhinash	3.0	21.43	10.5	61.76	7.0	58.33	8.0	29.63
CO21506	Abhishek Kumar	4.0	28.57	10.5	61.76	8.0	66.67	9.0	33.33
CO21509	Akshita Agarwal	4.0	28.57	12.5	73.53	8.5	70.83	9.5	35.19
CO21510	Aman Goel	4.0	28.57	15.0	88.24	10.0	83.33	14.0	51.85
CO21511	Aman Gupta	3.0	21.43	12.5	73.53	8.5	70.83	10.0	37.04
CO21512	Aman Kumar	2.0	14.29	14.5	85.29	9.5	79.17	13.5	50.0
CO21513	Ananya Sheoran	4.0	28.57	14.0	82.35	6.0	50.0	12.5	46.3
CO21515	Anju Devi	3.0	21.43	14.5	85.29	9.0	75.0	14.0	51.85
CO21517	Anubhav Kashyap	4.0	28.57	9.5	55.88	6.0	50.0	5.0	18.52
CO21518	Arjun	3.5	25.0	12.0	70.59	8.5	70.83	10.0	37.04
CO21519	Arpit Kamboj	4.0	28.57	14.5	85.29	9.0	75.0	10.0	37.04
CO21520	Arshia	8.0	57.14	10.0	58.82	8.0	66.67	6.5	24.07
CO21525	Babalpreet Kaur	5.0	35.71	12.5	73.53	8.5	70.83	12.0	44.44
CO21530	Daulat Singh	4.0	28.57	14.5	85.29	9.0	75.0	13.5	50.0
CO21532	Gopesh Kishore	6.0	42.86	5.5	32.35	8.5	70.83	14.5	53.7
CO21533	Gourav	4.0	28.57	12.5	73.53	7.0	58.33	5.5	20.37
CO21535	Harshita Maheshwari	4.0	28.57	14.5	85.29	8.5	70.83	7.5	27.78
CO21540	Karanpreet Singh	4.0	28.57	15.0	88.24	10.0	83.33	14.5	53.7
CO21542	Kritika Thakur	13.0	92.86	11.0	64.71	8.0	66.67	10.5	38.89
CO21544	Lavanya	4.0	28.57	14.5	85.29	5.0	41.67	9.5	35.19
CO21545	Manseerat Kaur	4.0	28.57	14.5	85.29	8.0	66.67	13.5	50.0
CO21546	Manveer Singh	4.0	28.57	9.5	55.88	9.0	75.0	9.5	35.19
CO21549	Nakul Rawat	4.0	28.57	14.5	85.29	8.5	70.83	11.5	42.59
CO21551	Palak Prasher	4.0	28.57	15.0	88.24	10.5	87.5	15.0	55.56
CO21552	Pranshul Sharma	10.5	75.0	6.5	38.24	10.5	87.5	14.5	53.7
CO21553	Presh Chaudhary	4.0	28.57	14.0	82.35	6.0	50.0	15.5	57.41
CO21556	Rhythm Verma	4.0	28.57	12.5	73.53	10.0	83.33	12.5	46.3

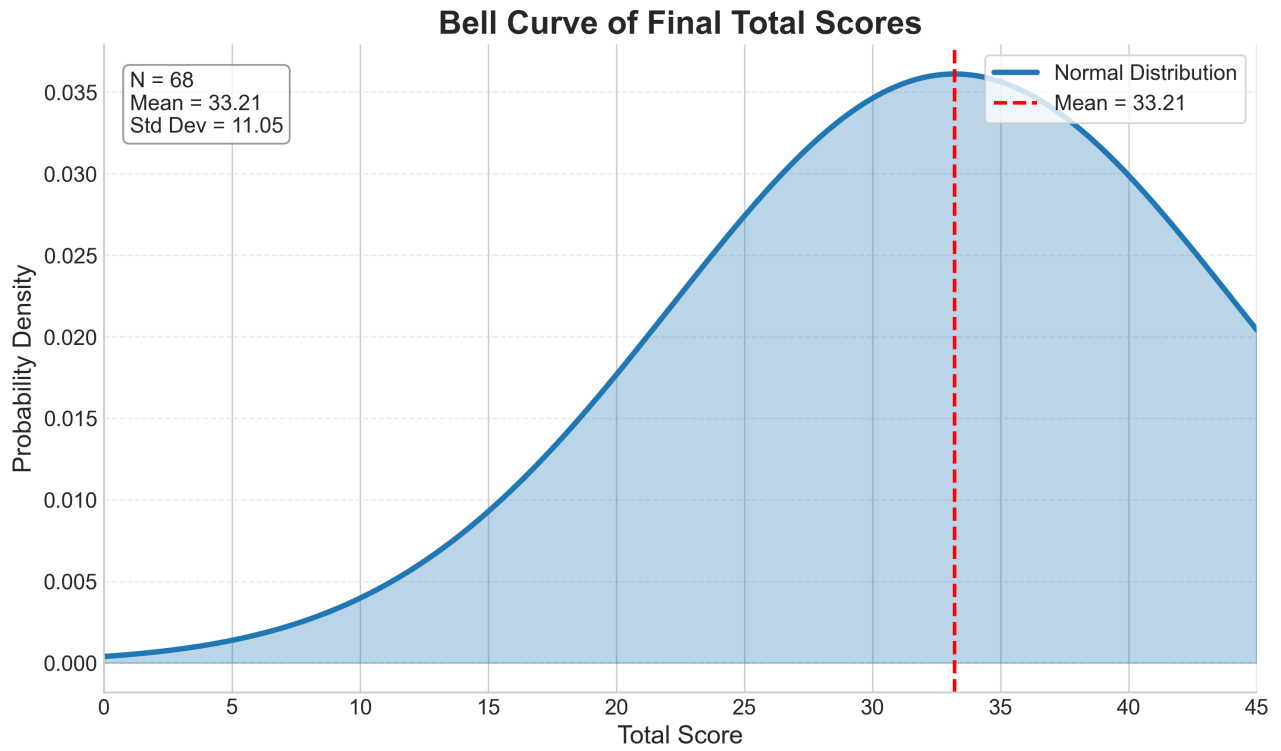
CO21559	Rohit	2.0	14.29	5.0	29.41	3.5	29.17	8.0	29.63
CO21563	Shiwang Dwivedi	4.0	28.57	12.5	73.53	8.5	70.83	13.0	48.15
CO21564	Shweta Bhardwaj	4.0	28.57	14.5	85.29	9.5	79.17	14.0	51.85
CO21565	Sukhjot Singh	10.0	71.43	10.5	61.76	5.5	45.83	9.0	33.33
CO21568	Vivek Kumar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CO21570	Vanshika Sharma	10.0	71.43	4.0	23.53	9.0	75.0	15.0	55.56
CO21571	Shivani Chib	10.0	71.43	11.0	64.71	10.0	83.33	11.5	42.59
LCO215100	Sakshi	4.0	28.57	6.0	35.29	4.0	33.33	9.5	35.19
LCO215103	Shruti Chandel	11.5	82.14	10.5	61.76	9.0	75.0	9.0	33.33
LCO215104	Surbhi	10.5	75.0	10.0	58.82	5.0	41.67	14.0	51.85
LCO215106	Vaibhav Singh	4.0	28.57	7.5	44.12	6.0	50.0	9.0	33.33
LCO215107	Yugam Gupta	5.0	35.71	10.0	58.82	6.0	50.0	10.0	37.04
LCO21583	Aditya Bathla	4.0	28.57	14.0	82.35	3.0	25.0	15.0	55.56
LCO21584	Amandeep Singh	4.0	28.57	15.0	88.24	9.5	79.17	14.0	51.85
LCO21585	Ankush Verma	4.0	28.57	14.5	85.29	9.0	75.0	13.5	50.0
LCO21586	Arjun Guleria	4.0	28.57	12.5	73.53	7.5	62.5	7.0	25.93
LCO21587	Deepanshu Saddi	4.0	28.57	14.5	85.29	10.0	83.33	11.5	42.59
LCO21589	Divyam Bali	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LCO21590	J Shiva Kumar	4.0	28.57	13.5	79.41	9.0	75.0	14.0	51.85
LCO21591	Komal	9.0	64.29	6.0	35.29	10.0	83.33	12.0	44.44
LCO21592	Lokesh Yadav	4.0	28.57	10.5	61.76	9.5	79.17	8.0	29.63
LCO21593	Mohammad Irfan	6.5	46.43	11.5	67.65	6.5	54.17	6.5	24.07
LCO21594	Nikhil Yadav	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LCO21595	Nisha Savita	4.0	28.57	15.0	88.24	10.0	83.33	11.0	40.74
LCO21596	Prabhjot Singh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LCO21597	Prabhsimran Singh	3.0	21.43	11.0	64.71	6.0	50.0	13.0	48.15
LCO21598	Pranjal Agrawal	4.0	28.57	14.5	85.29	9.5	79.17	14.0	51.85
LCO21599	Pushkar	10.0	71.43	10.5	61.76	9.5	79.17	8.5	31.48
MCO21572	Aman Sharma	7.0	50.0	15.5	91.18	4.5	37.5	6.5	24.07
MCO21573	Aniket Verma	4.0	28.57	10.0	58.82	5.5	45.83	8.5	31.48
MCO21574	Namay Chaudhary	4.0	28.57	14.5	85.29	9.5	79.17	14.0	51.85
MCO21575	Prakhar Vashistha	3.5	25.0	13.5	79.41	6.0	50.0	11.5	42.59
MCO21576	Rajeev Khare	4.0	28.57	14.5	85.29	10.5	87.5	14.5	53.7

MCO21577	Sakshi Kumari	4.0	28.57	14.5	85.29	8.5	70.83	12.5	46.3
MCO21578	Soham Jaiswal	4.0	28.57	13.0	76.47	8.0	66.67	12.0	44.44
MCO21579	Sparsh Mehta	10.5	75.0	12.0	70.59	4.0	33.33	8.0	29.63
MCO21580	Himanshu Kashyap	5.5	39.29	2.0	11.76	3.0	25.0	6.0	22.22
MCO21581	Rudar Thakur	8.5	60.71	10.0	58.82	7.0	58.33	8.0	29.63
MCO21582	Shubham Ranjan	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



# Final Exam - Score Distribution

Statistical distribution of student scores



## Minor1 - CO Attainment Summary

### Question to CO Mapping

Question Number	Mapped CO
1a	CO1
1b	CO2
1c	CO3
1d	CO2
1e	CO3
2a	CO1
2b	CO1
3(a)	CO2
3(b)	CO2
4a	CO3
4(b)	CO3
5a	CO4
6a	CO3
6b	CO3

### CO Attainment Summary

CO	Threshold (%)	% >= Threshold	Attainment Level
CO1	40.0	92.65	3
CO2	40.0	86.76	3
CO3	40.0	79.41	3
CO4	40.0	80.88	3

## Minor2 - CO Attainment Summary

### Question to CO Mapping

Question Number	Mapped CO
1a	CO4
1b	CO4
1(c)	CO3
1(d)	CO2
1(e)	CO4
2(a)	CO4
3(a)	CO3
4a	CO3
4(b)	CO4
5(a)	CO4
6(a)	CO3
6(b)	CO3

### CO Attainment Summary

CO	Threshold (%)	% >= Threshold	Attainment Level
CO2	40.0	23.53	0
CO3	40.0	22.06	0
CO4	40.0	25.0	0

# Final Exam - CO Attainment Summary

## Question to CO Mapping

Question Number	Mapped CO
1(a)	CO4
1(b)	CO2
1(c)	CO1
1(d)	CO1
1(e)	CO3
2(a)	CO2
2(b)	CO2
3(a)	CO4
3(b)	CO2
4(a)	CO1
5a	CO3
5(b)	CO4
6a	CO3
6b	CO4
7(a)	CO4
7(b)	CO4

## CO Attainment Summary

CO	Threshold (%)	% >= Threshold	Attainment Level
CO1	40.0	23.53	0
CO2	40.0	80.88	3
CO3	40.0	83.82	3
CO4	40.0	50.0	3

# Direct Attainment Analysis

## 1. Weighted Direct Attainment Details

Combining Mid and Final exam results with appropriate weights

CO	Mid Level	Final Level	Normalized Mid Weight	Normalized Final Weight	Weighted Direct Attainment
CO1	3	0	0.38	0.62	1.12
CO2	3	3	0.38	0.62	3.0
CO3	3	3	0.38	0.62	3.0
CO4	3	3	0.38	0.62	3.0

## 2. Direct Attainment Results

Final attainment levels for each Course Outcome

Course Outcome	Direct Attainment Level
CO1	1.12
CO2	3.0
CO3	3.0
CO4	3.0

Interpretation: Level 3 ( $\geq 2.5$ ) indicates excellent attainment, Level 2 ( $\geq 1.5$  and  $< 2.5$ ) indicates satisfactory attainment, and Level 1 ( $< 1.5$ ) indicates that improvement is needed.

## CO-PO Mapping and Direct Attainment

## 1. CO-PO Mapping Matrix

### *Correlation between Course Outcomes and Program Outcomes*

[illegible]

## 2. Direct Attainment Mapping

### Mapping direct assessment tools to Program Outcomes

[illegible]

## Indirect Attainment Analysis

## 1. Indirect Attainment Results

### Survey and feedback-based attainment metrics

CO	Attainment
CO1	2.4
CO2	2.4
CO3	2.4
CO4	2.4

## 2. Indirect Attainment Mapping

### Mapping indirect assessment methods to Program Outcomes

[illegible]

# Final Attainment Analysis

## 1. Overall PO-PSO Attainment

Combining direct and indirect assessment for final PO-PSO attainment

Label	PO1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 12
Overall Attainment Average	2.39	2.39	0.83	1.67	0.83	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.83	1.19
Target %	1.67	1.67	0.58	1.17	0.58	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.58	0.83

## 2. Detailed Final CO Attainment

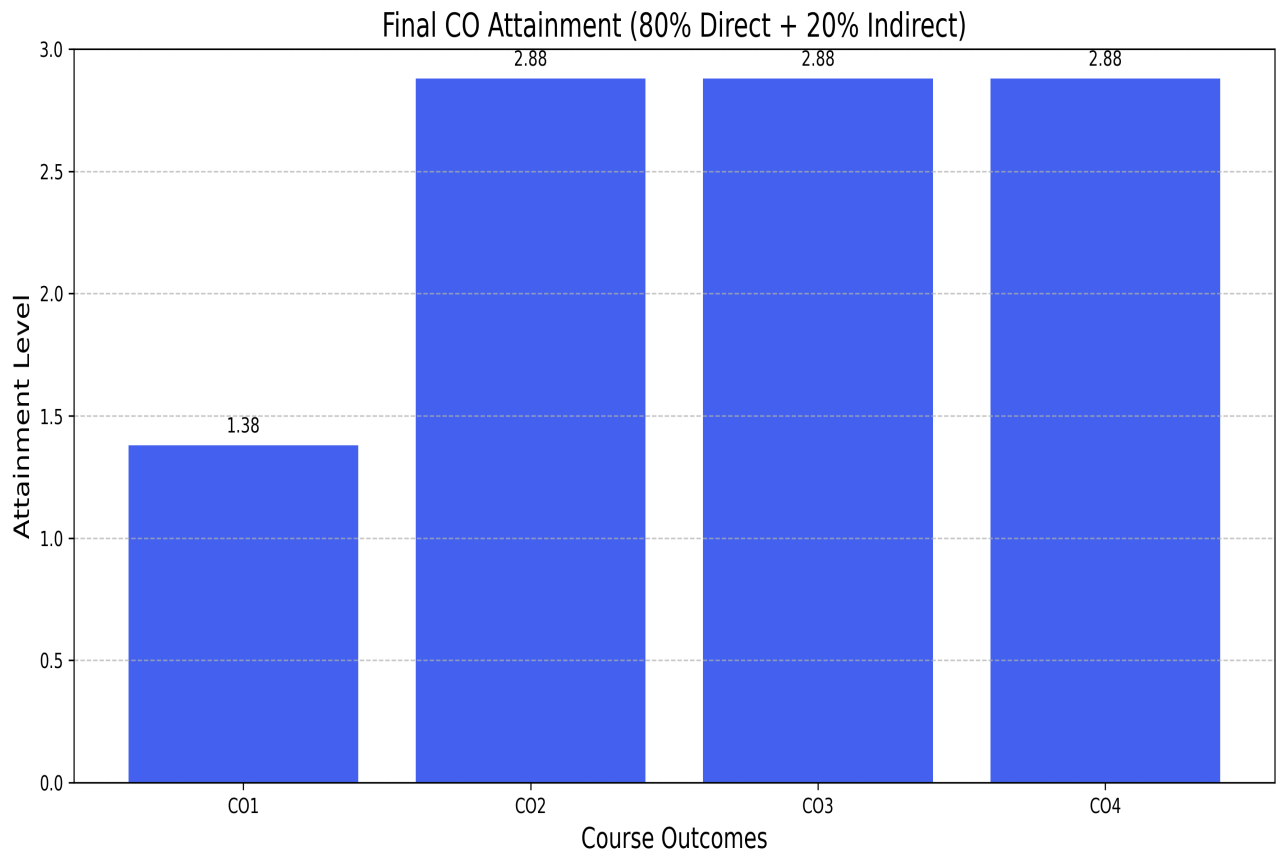
Comprehensive breakdown of CO attainment with component weights

CO	Attainment
CO1	1.38
CO2	2.88
CO3	2.88
CO4	2.88



# Attainment Charts

## 1. CO Attainment Chart



## 2. PO-PSO Attainment Chart

