

# **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  |

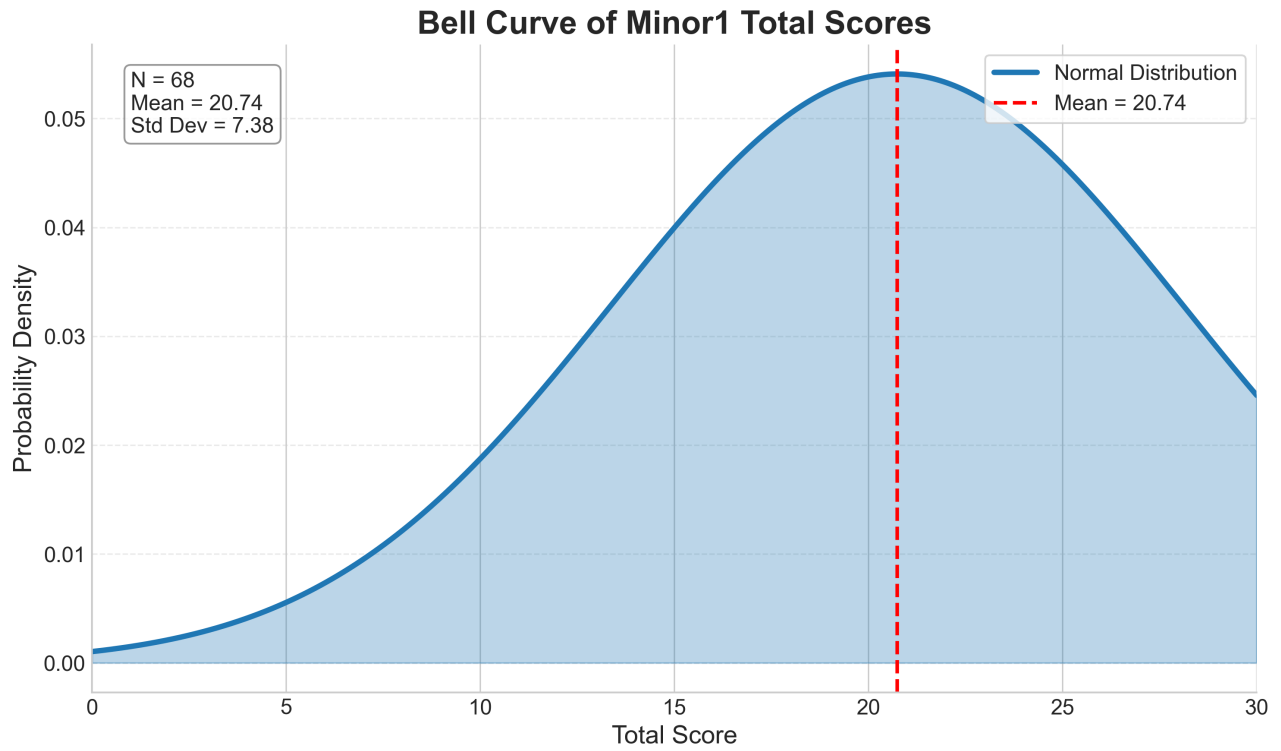
|           |                   |     |        |     |       |      |       |     |       |
|-----------|-------------------|-----|--------|-----|-------|------|-------|-----|-------|
| CO21559   | Rohit             | 0.0 | 0.0    | 0.0 | 0.0   | 0.0  | 0.0   | 0.0 | 0.0   |
| CO21563   | Shiwang Dwivedi   | 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   |

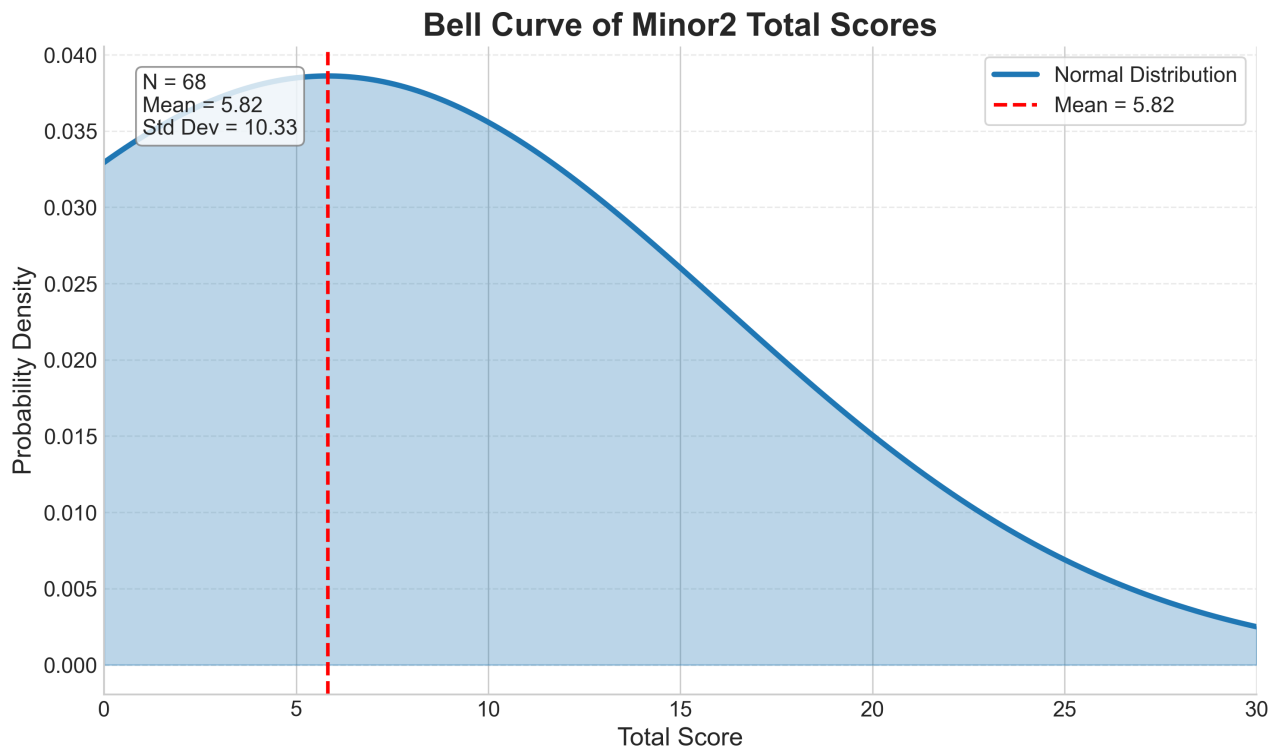
|           |                   |     |       |      |       |      |       |
|-----------|-------------------|-----|-------|------|-------|------|-------|
| CO21559   | Rohit             | 1.0 | 100.0 | 5.0  | 35.71 | 9.0  | 60.0  |
| CO21563   | Shiwang Dwivedi   | 0.0 | 0.0   | 0.0  | 0.0   | 0.0  | 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  |

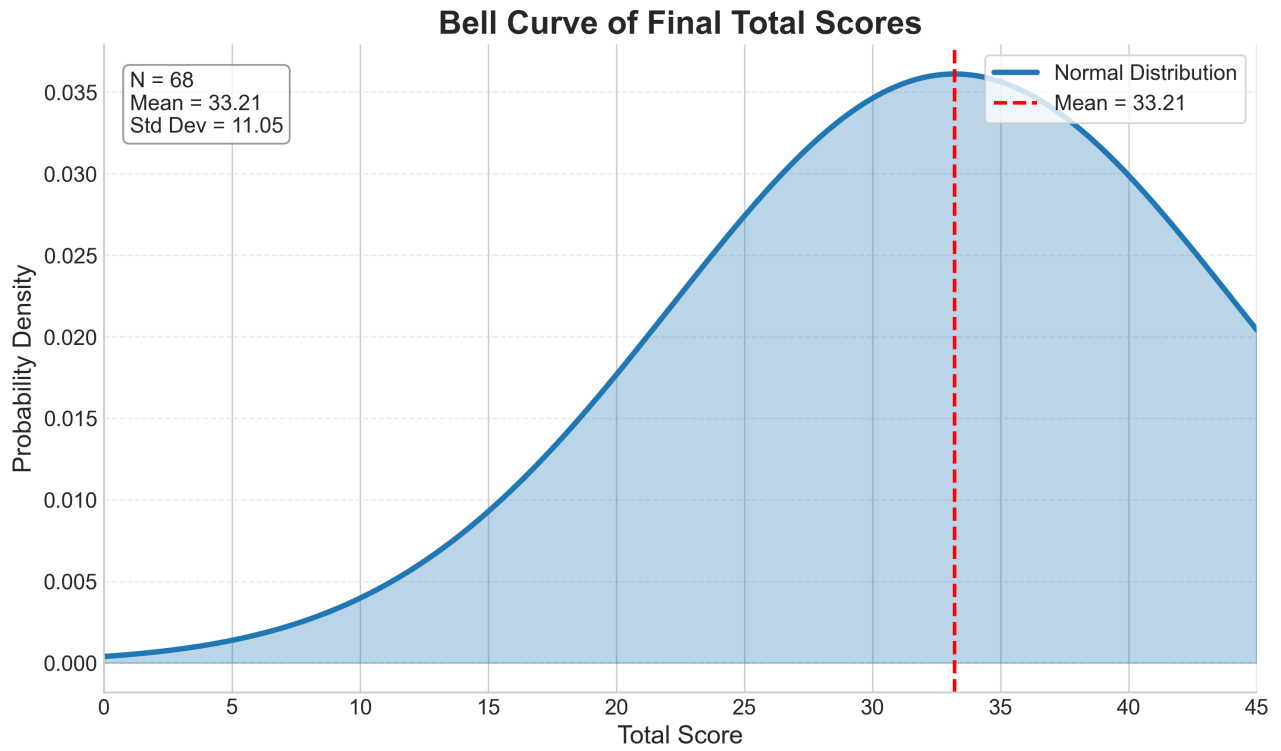
|           |                   |      |       |      |       |      |       |      |       |
|-----------|-------------------|------|-------|------|-------|------|-------|------|-------|
| CO21559   | Rohit             | 2.0  | 14.29 | 5.0  | 29.41 | 3.5  | 29.17 | 8.0  | 29.63 |
| CO21563   | Shiwang 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

| CO  | 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 |
|-----|-----|------|------|------|------|------|------|------|------|-------|-------|-------|-------|--------|
| CO1 | 2   | 2    | 1    | 2    | 1    | 0    | 0    | 0    | 0    | 0     | 0     | 0     | 1     | 2      |
| CO2 | 3   | 3    | 1    | 2    | 1    | 0    | 0    | 0    | 0    | 0     | 0     | 0     | 1     | 2      |
| CO3 | 3   | 3    | 1    | 2    | 1    | 0    | 0    | 0    | 0    | 0     | 0     | 0     | 1     | 1      |
| CO4 | 3   | 3    | 1    | 2    | 1    | 0    | 0    | 0    | 0    | 0     | 0     | 0     | 1     | 1      |

## 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

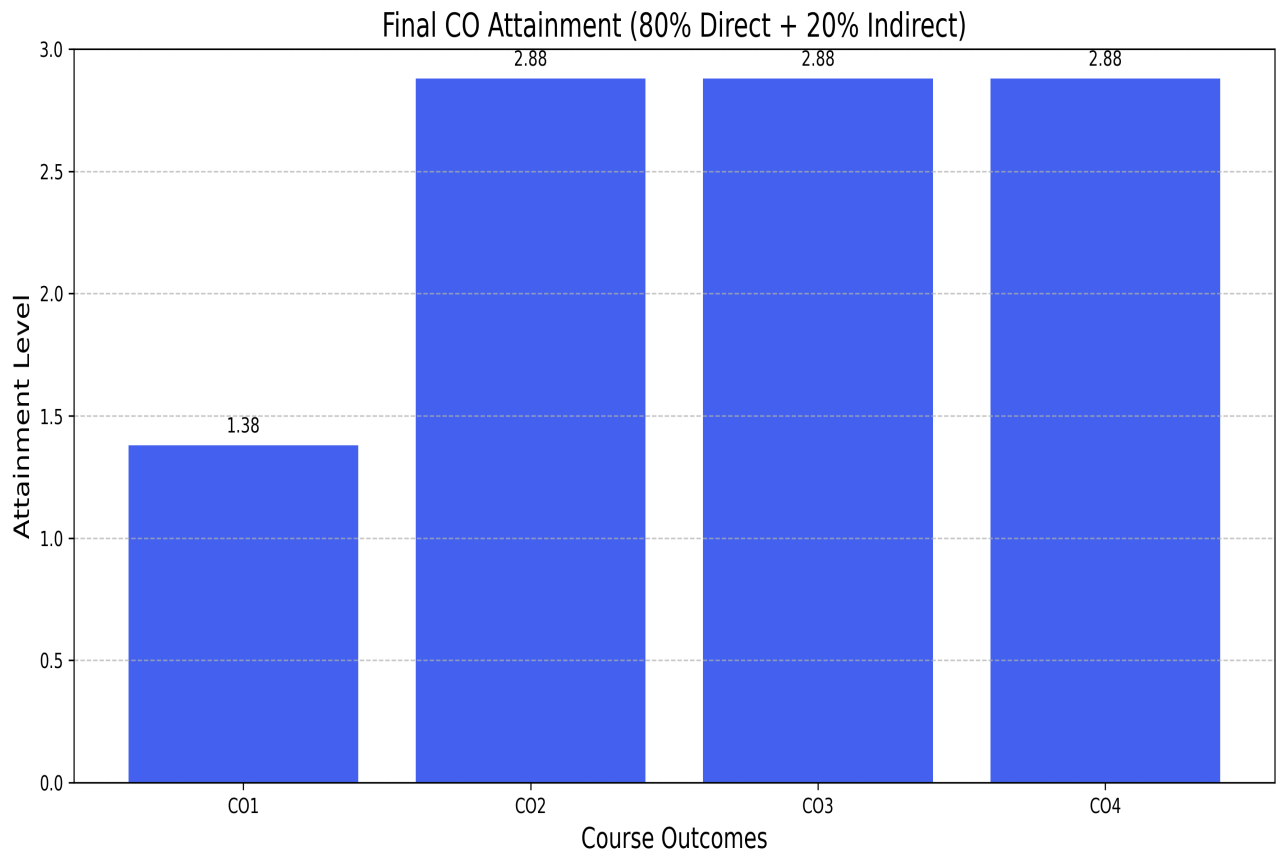
Comprehensive breakdown of CO attainment with component weights

| 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

