

CO-PO REPORT OF CHEMISTRY (AIDED)

| Sl. No. | Course Code | Name of Course | Teacher- in- charge |
|----------------|-----------------------------|--|---|
| 1 | CC19PCHE2C05 | Group theory and Chemical Bonding | Dr. V. T. Joy Dr Rani Varghese |
| 2 | CC19PCHE2C06 | Coordination Chemistry | Dr. Digna Varghese Dr. Tom Cherian Dr. Dijo Damien |
| 3 | CC19PCHE2C07 | Reaction mechanism in organic chemistry | Arun S Dr. Titto Varghese |
| 4 | CC19PCHE2C08 | Electrochemistry, solid state chemistry and statistical thermodynamics | Dr. Robinson P Ponminissery Jibin A K Dr Rani Varghese |
| 5 | CC19PCHE1L01 & CC19PCHE2L04 | Inorganic chemistry Practical | Dr. Digna Varghese |
| 6 | CC19PCHE1L02 & CC19PCHE2L05 | Organic chemistry Practical | Dr. V. T. Joy |
| 7 | CC19PCHE1L03 & CC19PCHE2L06 | Physical chemistry Practical | Dr. Robinson P Ponminissery |



CHRIST COLLEGE (AUTONOMOUS)
IRINJALAKUDA.Kerala-680125

| | | |
|--|--|--|
| Program(s) : PG - MSc - M.Sc. Chemistry (Aided) | Department(s) : CHEMISTRY | Batch(s) : MSC CHE 2022 - S2 |
| Course Community : CC19PCHE2C05 MSC CHE 2022 S2 | Faculty(s) : Dr. V. T. Joy', 'Dr Rani Varghese | Course : Group Theory and Chemical Bonding |

CO PO ATTAINMENT Report

Above Target Percentage : Below Target Percentage:

| # | Reg No | Student Name | CO1 | CO2 | CO3 | CO4 | CO5 | CO6 |
|----|------------|-------------------|-------|-------|-------|-------|-------|-------|
| 1 | CCAWMCH002 | ADWAITH A.P. | 100 | 80.53 | 81.7 | 29.33 | 100 | 100 |
| 2 | CCAWMCH013 | GREESHMA K V | 75.47 | 96.8 | 62.24 | 45.6 | 45.6 | 74.4 |
| 3 | CCAWMCH007 | ANGEL ROSE | 52.64 | 71.84 | 48.57 | 59.04 | 52.64 | 59.04 |
| 4 | CCAWMCH014 | NIHALA C M | 100 | 36 | 100 | 100 | 100 | 89.03 |
| 5 | CCAWMCH009 | ARUN K J | 45.6 | 58.4 | 49.09 | 32.8 | 32.8 | 32.8 |
| 6 | CCAWMCH003 | ALEENA C. J | 100 | 36 | 92.89 | 74.4 | 100 | 74.4 |
| 7 | CCAWMCH005 | ANDREA XAVIER | 98.08 | 85.28 | 98.08 | 34.08 | 98.08 | 98.08 |
| 8 | CCAWMCH006 | ANDRIYA K.R | 100 | 36 | 84.87 | 100 | 100 | 100 |
| 9 | CCAWMCH011 | ATHIRA SUDEESH | 100 | 100 | 91.04 | 48.8 | 92 | 90.4 |
| 10 | CCAWMCH008 | ANN RANJITH | 100 | 36 | 94.18 | 100 | 95.2 | 97.44 |
| 11 | CCAWMCH012 | AYANA C.B | 38.35 | 40.21 | 88.12 | 34.08 | 85.28 | 34.08 |

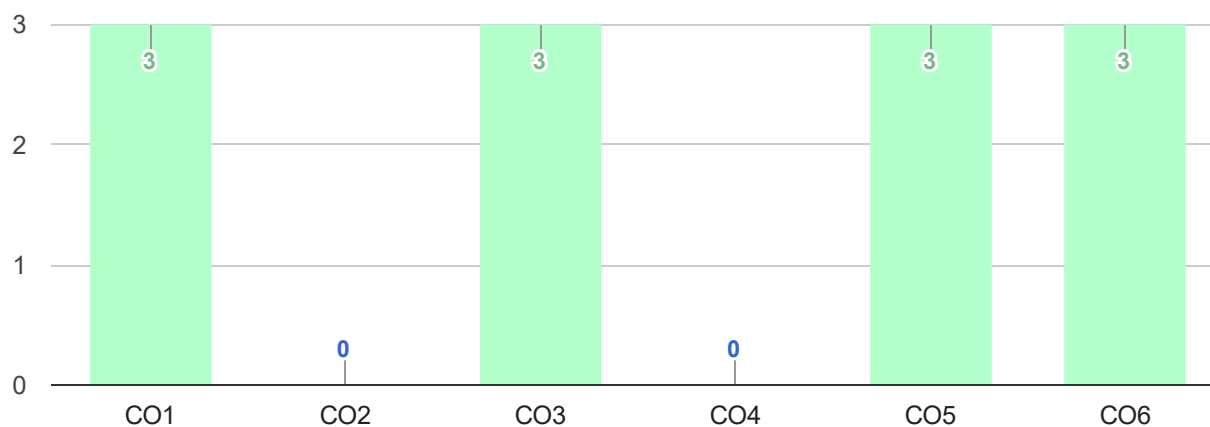
CO PO ATTAINMENT Report

Above Target Percentage : Below Target Percentage:

| # | Reg No | Student Name | CO1 | CO2 | CO3 | CO4 | CO5 | CO6 |
|----|------------|---------------------|------|------|-------|-----|------|-------|
| 12 | CCAWMCH001 | AARSHA AUGUSTINE | 61.6 | 36 | 90.69 | 36 | 87.2 | 83.26 |
| 13 | CCAWMCH004 | ALEENA VARGHESE | 100 | 36 | 90.4 | 100 | 100 | 91.14 |
| 14 | CCAWMCH010 | ATHIRA P B | 100 | 87.2 | 70.56 | 100 | 100 | 79.89 |

| Class Strength | 14 | | | | | |
|--|-------|-------|-------|-------|-------|-------|
| Course Outcomes addressed | CO1 | CO2 | CO3 | CO4 | CO5 | CO6 |
| Target of Course Outcome | 60 | 60 | 60 | 60 | 60 | 60 |
| No of students with CO value greater than or equal to 60 | 11 | 6 | 12 | 6 | 11 | 11 |
| Percentage of students with CO value greater than 60 | 78.57 | 42.86 | 85.71 | 42.86 | 78.57 | 78.57 |
| Average | 83.7 | 59.73 | 81.6 | 63.87 | 84.91 | 78.85 |
| Attainment Level | 3.00 | 0 | 3.00 | 0 | 3.00 | 3.00 |
| Attainment :High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/> | | | | | | |

CO Attainment Levels



Attainment :High █ Medium █ Low █

| CO List | |
|----------------|---|
| CO Code | Description |
| CO1 | Analyze molecule in 3-D, describe the concept of symmetry elements and symmetry operations. |
| CO2 | Examine the point groups of molecules and apply symmetry considerations for optical activity and dipole moment. |
| CO3 | Examine and demonstrate the group multiplication table, character table and representations of group. |
| CO4 | Apply the projection operator for constructing SALCs |
| CO5 | Integrate the application of symmetry to spectroscopy and find IR and Raman modes of vibration. |
| CO6 | Applications of MO & VB theories and Huckel M.O. calculations. |



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|--|--|--|
| Program(s) : PG - MSc - M.Sc. Chemistry (Aided) | Department(s) : CHEMISTRY | Batch(s) : MSC CHE 2022 - S2 |
| Course Community : CC19PCHE2C06 MSC CHE 2022 S2 | Faculty(s) : Dr. Digna Varghese', 'Dr. Tom Cherian', 'Dr. Dijo Damien | Course : Coordination Chemistry |

CO PO ATTAINMENT Report

Above Target Percentage : Below Target Percentage:

| # | Reg No | Student Name | CO1 | CO2 | CO3 | CO4 | CO5 |
|----|------------|-------------------|-------|-------|-------|-------|-------|
| 1 | CCAWMCH002 | ADWAITH A.P. | 93.33 | 83.54 | 36 | 87.2 | 72 |
| 2 | CCAWMCH013 | GREESHMA K V | 84.96 | 53.28 | 60.96 | 86.56 | 70.92 |
| 3 | CCAWMCH007 | ANGEL ROSE | 42.4 | 57.33 | 74.4 | 66.72 | 61.6 |
| 4 | CCAWMCH014 | NIHALA C M | 95.73 | 94.88 | 36 | 93.6 | 91.47 |
| 5 | CCAWMCH009 | ARUN K J | 25.6 | 19.63 | 15.36 | 28.16 | 56.96 |
| 6 | CCAWMCH003 | ALEENA C. J | 100 | 92.32 | 36 | 87.2 | 98.58 |
| 7 | CCAWMCH005 | ANDREA XAVIER | 93.02 | 79.52 | 36 | 94.88 | 100 |
| 8 | CCAWMCH006 | ANDRIYA K.R | 100 | 97.44 | 100 | 100 | 100 |
| 9 | CCAWMCH011 | ATHIRA SUDEESH | 95.35 | 82.93 | 36 | 93.6 | 98.58 |
| 10 | CCAWMCH008 | ANN RANJITH | 95.73 | 100 | 48.8 | 48.8 | 82.93 |
| 11 | CCAWMCH012 | AYANA C.B | 60 | 48.53 | 48.8 | 29.33 | 87.2 |

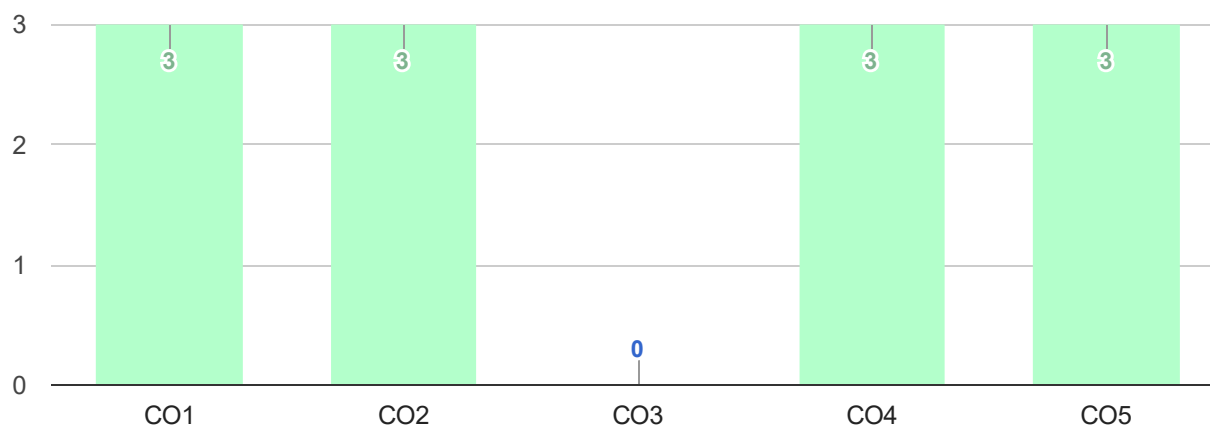
CO PO ATTAINMENT Report

Above Target Percentage : Below Target Percentage:

| # | Reg No | Student Name | CO1 | CO2 | CO3 | CO4 | CO5 |
|----|------------|---------------------|-------|-------|-----|------|-------|
| 12 | CCAWMCH001 | AARSHA AUGUSTINE | 89.53 | 97.44 | 36 | 87.2 | 91.47 |
| 13 | CCAWMCH004 | ALEENA VARGHESE | 96.8 | 82.93 | 36 | 100 | 95.73 |
| 14 | CCAWMCH010 | ATHIRA P B | 75.73 | 75.2 | 16 | 41.6 | 70.04 |

| | | | | | |
|--|-------|-------|-------|-------|-------|
| Class Strength | 14 | | | | |
| Course Outcomes addressed | CO1 | CO2 | CO3 | CO4 | CO5 |
| Target of Course Outcome | 60 | 60 | 60 | 60 | 60 |
| No of students with CO value greater than or equal to 60 | 12 | 10 | 3 | 10 | 13 |
| Percentage of students with CO value greater than 60 | 85.71 | 71.43 | 21.43 | 71.43 | 92.86 |
| Average | 82.01 | 76.07 | 44.02 | 74.63 | 84.11 |
| Attainment Level | 3.00 | 3.00 | 0 | 3.00 | 3.00 |
| Attainment :High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/> | | | | | |

CO Attainment Levels



Attainment :High █ Medium █ Low █

| CO List | |
|----------------|---|
| CO Code | Description |
| CO1 | Analyze the effect of various ligand field strengths on d-metal ions. |
| CO2 | Analyze the electronic spectra of complexes with respect to spin and orbital selection rules, various transitions and charge transfer spectra |
| CO3 | Determine the magnetic properties of complexes. |
| CO4 | Compare the methods for distinguishing between outer and inner sphere redox reactions |
| CO5 | Justify the substitution lability in complex reactions. |



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|--|---|--|
| Program(s) : PG - MSc - M.Sc. Chemistry (Aided) | Department(s) : CHEMISTRY | Batch(s) : MSC CHE 2022 - S2 |
| Course Community : CC19PCHE2C07 MSC CHE 2022 S2 | Faculty(s) : Arun S', Dr. Titto Varughese | Course : Reaction Mechanism in Organic Chemistry |

CO PO ATTAINMENT Report

Above Target Percentage : Below Target Percentage:

| # | Reg No | Student Name | CO1 | CO2 | CO3 | CO4 | CO5 |
|----|------------|-------------------|-------|-------|------|-------|-------|
| 1 | CCAWMCH002 | ADWAITH A.P. | 80.44 | 86.29 | 68 | 100 | 73.33 |
| 2 | CCAWMCH013 | GREESHMA K V | 32.91 | 85.49 | 83.2 | 46.63 | 67.2 |
| 3 | CCAWMCH007 | ANGEL ROSE | 41 | 88.57 | 20 | 20 | 20 |
| 4 | CCAWMCH014 | NIHALA C M | 85.14 | 88.57 | 68 | 96 | 96 |
| 5 | CCAWMCH009 | ARUN K J | 32.91 | 75.2 | 19.2 | 51.2 | 33.6 |
| 6 | CCAWMCH003 | ALEENA C. J | 86.67 | 77.14 | 100 | 100 | 68 |
| 7 | CCAWMCH005 | ANDREA XAVIER | 71.69 | 100 | 100 | 58 | 84 |
| 8 | CCAWMCH006 | ANDRIYA K.R | 94.67 | 88.57 | 84 | 97.71 | 100 |
| 9 | CCAWMCH011 | ATHIRA SUDEESH | 93.33 | 88.57 | 68 | 100 | 100 |
| 10 | CCAWMCH008 | ANN RANJITH | 86.67 | 100 | 100 | 100 | 84 |
| 11 | CCAWMCH012 | AYANA C.B | 38.91 | 100 | 20 | 20 | 36 |

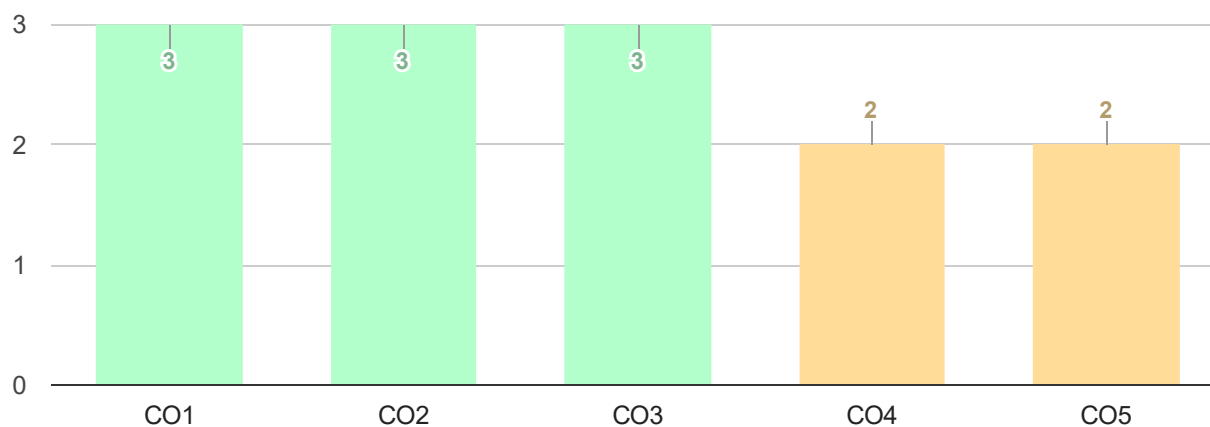
CO PO ATTAINMENT Report

Above Target Percentage : Below Target Percentage:

| # | Reg No | Student Name | CO1 | CO2 | CO3 | CO4 | CO5 |
|----|------------|---------------------|-------|-------|-----|-----|-----|
| 12 | CCAWMCH001 | AARSHA AUGUSTINE | 75.47 | 77.14 | 100 | 100 | 36 |
| 13 | CCAWMCH004 | ALEENA VARGHESE | 82.93 | 86.29 | 100 | 100 | 20 |
| 14 | CCAWMCH010 | ATHIRA P B | 89.71 | 88.57 | 100 | 100 | 68 |

| | | | | | |
|--|-------|-------|-------|-------|-------|
| Class Strength | 14 | | | | |
| Course Outcomes addressed | CO1 | CO2 | CO3 | CO4 | CO5 |
| Target of Course Outcome | 60 | 60 | 60 | 60 | 60 |
| No of students with CO value greater than or equal to 60 | 10 | 14 | 11 | 9 | 9 |
| Percentage of students with CO value greater than 60 | 71.43 | 100 | 78.57 | 64.29 | 64.29 |
| Average | 70.89 | 87.89 | 73.6 | 77.82 | 63.3 |
| Attainment Level | 3.00 | 3.00 | 3.00 | 2.00 | 2.00 |
| Attainment :High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/> | | | | | |

CO Attainment Levels



Attainment :High █ Medium █ Low █

CO List

| CO Code | Description |
|---------|---|
| CO1 | Develop an ability to understand addition and elimination reactions with mechanism and stereo chemical aspect |
| CO2 | Compare aliphatic and aromatic, nucleophilic and electrophilic substitution with mechanism and kinetics |
| CO3 | Implement the theory of pericyclic reactions to get an idea about the orbital overlap in chemical reaction. |
| CO4 | Analyze photochemical reactions with mechanism. |
| CO5 | Compare the classification, structure and synthesis of natural products. |



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|--|---|---|
| Program(s) : PG - MSc - M.Sc. Chemistry (Aided) | Department(s) : CHEMISTRY | Batch(s) : MSC CHE 2022 - S2 |
| Course Community : CC19PCHE2C08 MSC CHE 2022 S2 | Faculty(s) : Dr. Robinson P Ponminiessary', 'Jibin A K', 'Dr Rani Varghese | Course : Electrochemistry, Solid- state Chemistry and Statistical Thermodynamics |

CO PO ATTAINMENT Report

Above Target Percentage : Below Target Percentage:

| # | Reg No | Student Name | CO1 | CO2 | CO3 | CO4 | CO5 |
|----|------------|-------------------|-----|-------|-----|-----|-------|
| 1 | CCAWMCH002 | ADWAITH A.P. | 98 | 79.33 | 92 | 50 | 70 |
| 2 | CCAWMCH013 | GREESHMA K V | 32 | 53.33 | 56 | 56 | 88 |
| 3 | CCAWMCH007 | ANGEL ROSE | 16 | 35.2 | 90 | 76 | 16 |
| 4 | CCAWMCH014 | NIHALA C M | 92 | 89.82 | 100 | 20 | 82.22 |
| 5 | CCAWMCH009 | ARUN K J | 16 | 44.57 | 80 | 68 | 32 |
| 6 | CCAWMCH003 | ALEENA C. J | 98 | 98 | 98 | 18 | 84.91 |
| 7 | CCAWMCH005 | ANDREA XAVIER | 92 | 58.86 | 100 | 84 | 44 |
| 8 | CCAWMCH006 | ANDRIYA K.R | 100 | 100 | 100 | 84 | 100 |
| 9 | CCAWMCH011 | ATHIRA SUDEESH | 92 | 85.6 | 80 | 20 | 92 |
| 10 | CCAWMCH008 | ANN RANJITH | 100 | 98.55 | 80 | 100 | 94.67 |
| 11 | CCAWMCH012 | AYANA C.B | 64 | 76.8 | 16 | 32 | 16 |

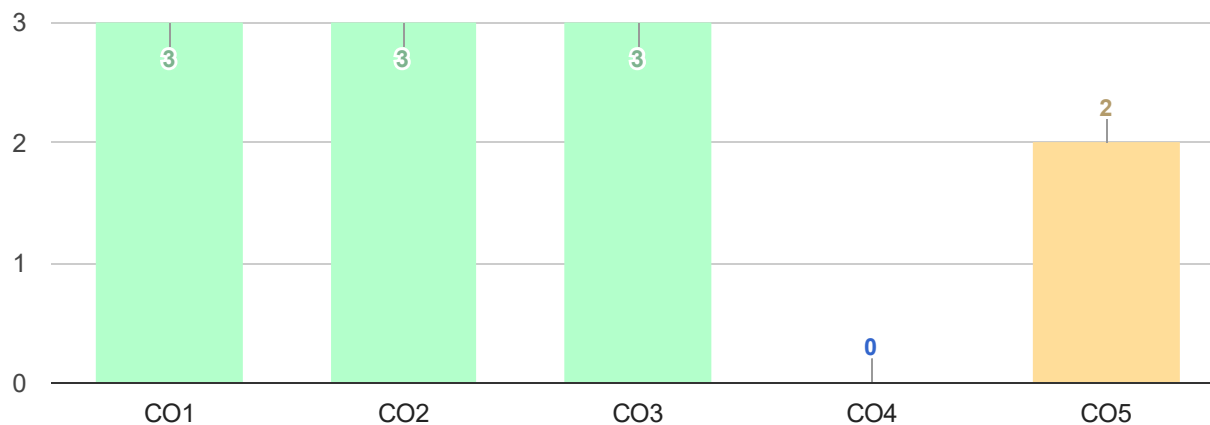
CO PO ATTAINMENT Report

Above Target Percentage : Below Target Percentage:

| # | Reg No | Student Name | CO1 | CO2 | CO3 | CO4 | CO5 |
|----|------------|---------------------|-----|-------|-----|-----|-------|
| 12 | CCAWMCH001 | AARSHA AUGUSTINE | 20 | 85.45 | 70 | 20 | 76 |
| 13 | CCAWMCH004 | ALEENA VARGHESE | 100 | 93.6 | 80 | 40 | 81.33 |
| 14 | CCAWMCH010 | ATHIRA P B | 84 | 94.67 | 90 | 42 | 53.78 |

| | | | | | |
|--|-------|-------|-------|-------|-------|
| Class Strength | 14 | | | | |
| Course Outcomes addressed | CO1 | CO2 | CO3 | CO4 | CO5 |
| Target of Course Outcome | 60 | 60 | 60 | 60 | 60 |
| No of students with CO value greater than or equal to 60 | 10 | 10 | 12 | 5 | 9 |
| Percentage of students with CO value greater than 60 | 71.43 | 71.43 | 85.71 | 35.71 | 64.29 |
| Average | 71.71 | 78.13 | 80.86 | 50.71 | 66.49 |
| Attainment Level | 3.00 | 3.00 | 3.00 | 0 | 2.00 |
| Attainment :High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/> | | | | | |

CO Attainment Levels



Attainment :High █ Medium █ Low █

CO List

| CO Code | Description |
|---------|---|
| CO1 | Examine Debye –Huckel equation, limiting and extended forms and its application |
| CO2 | Compare the efficiency of different electro chemical cells |
| CO3 | Analyze symmetry elements, symmetry operations and crystal systems. |
| CO4 | Analyze the stoichiometric and non-stoichiometric defects in crystals. |
| CO5 | Distinguish the importance and consequences of quantum mechanics for macroscopic particle systems |



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|--|--|--|
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| Course Community : CC19PCHE1L01 & CC19PCHE2L04 MSC CHE 2022 S2 | Faculty(s) : Dr. Digna Varghese | Course : Inorganic Chemistry Practical |

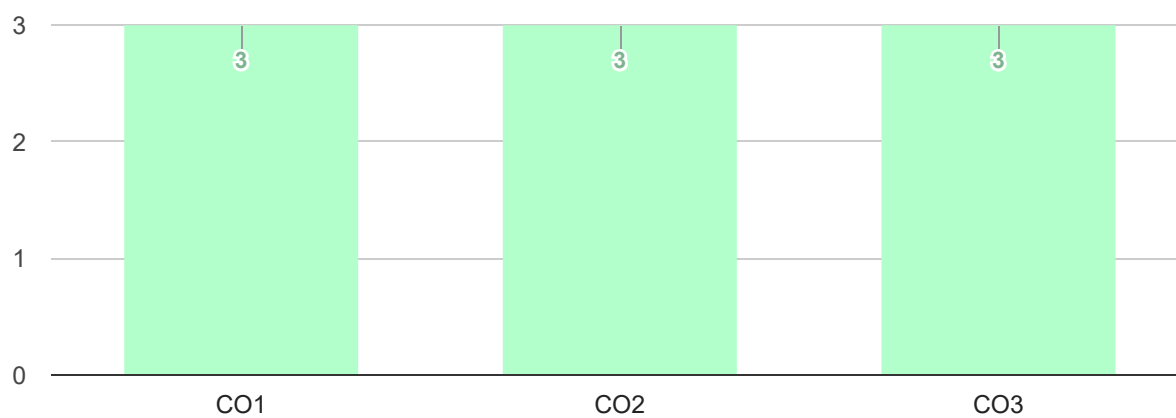
CO PO ATTAINMENT Report

Above Target Percentage : Below Target Percentage:

| # | Reg No | Student Name | CO1 | CO2 | CO3 |
|----|------------|---------------------|-------|-------|-------|
| 1 | CCAWMCH013 | GREESHMA K V | 91.47 | 91.47 | 91.47 |
| 2 | CCAWMCH014 | NIHALA C M | 99.15 | 99.15 | 99.15 |
| 3 | CCAWMCH002 | ADWAITH A.P. | 99.15 | 99.15 | 99.15 |
| 4 | CCAWMCH007 | ANGEL ROSE | 98.29 | 98.29 | 98.29 |
| 5 | CCAWMCH005 | ANDREA XAVIER | 100 | 100 | 100 |
| 6 | CCAWMCH009 | ARUN K J | 96.59 | 96.59 | 96.59 |
| 7 | CCAWMCH003 | ALEENA C. J | 100 | 100 | 100 |
| 8 | CCAWMCH008 | ANN RANJITH | 100 | 100 | 100 |
| 9 | CCAWMCH006 | ANDRIYA K.R | 100 | 100 | 100 |
| 10 | CCAWMCH011 | ATHIRA SUDEESH | 99.15 | 99.15 | 99.15 |
| 11 | CCAWMCH012 | AYANA C.B | 95.73 | 95.73 | 95.73 |
| 12 | CCAWMCH001 | AARSHA AUGUSTINE | 100 | 93.33 | 100 |
| 13 | CCAWMCH004 | ALEENA VARGHESE | 100 | 100 | 100 |
| 14 | CCAWMCH010 | ATHIRA P B | 97.44 | 97.44 | 97.44 |

| | | | |
|--|-------|-------|-------|
| Class Strength | 14 | | |
| Course Outcomes addressed | CO1 | CO2 | CO3 |
| Target of Course Outcome | 60 | 60 | 60 |
| No of students with CO value greater than or equal to 60 | 14 | 14 | 14 |
| Percentage of students with CO value greater than 60 | 100 | 100 | 100 |
| Average | 98.36 | 97.88 | 98.36 |
| Attainment Level | 3.00 | 3.00 | 3.00 |
| Attainment :High ■ Medium ■ Low ■ | | | |

CO Attainment Levels



Attainment :High ■ Medium ■ Low ■

| CO List | |
|----------------|---|
| CO Code | Description |
| CO1 | Analyze the cation mixture |
| CO2 | Assess the amount of ions by complexometric titrations |
| CO3 | Detect the intensity of colour using colorimetric methods |



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| Course Community : CC19PCHE1L02 & CC19PCHE2L05 MSC CHE 2022 S2 | Faculty(s) : Dr. V. T. Joy | Course : Organic Chemistry Practical |

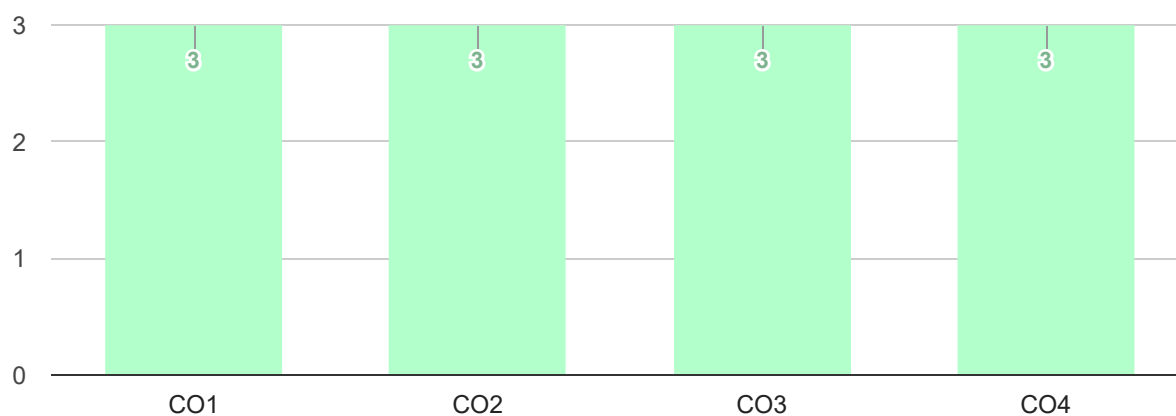
CO PO ATTAINMENT Report

Above Target Percentage : Below Target Percentage:

| # | Reg No | Student Name | CO1 | CO2 | CO3 | CO4 |
|----|------------|---------------------|-------|-------|-------|-------|
| 1 | CCAWMCH013 | GREESHMA K V | 95.73 | 95.73 | 95.73 | 95.73 |
| 2 | CCAWMCH014 | NIHALA C M | 98.72 | 98.72 | 98.72 | 98.72 |
| 3 | CCAWMCH002 | ADWAITH A.P. | 97.44 | 97.44 | 97.44 | 97.44 |
| 4 | CCAWMCH007 | ANGEL ROSE | 98.72 | 98.72 | 98.72 | 98.72 |
| 5 | CCAWMCH005 | ANDREA XAVIER | 98.72 | 98.72 | 98.72 | 98.72 |
| 6 | CCAWMCH009 | ARUN K J | 91.89 | 91.89 | 91.89 | 91.89 |
| 7 | CCAWMCH003 | ALEENA C. J | 99.57 | 99.57 | 99.57 | 99.57 |
| 8 | CCAWMCH008 | ANN RANJITH | 100 | 100 | 100 | 100 |
| 9 | CCAWMCH006 | ANDRIYA K.R | 100 | 100 | 100 | 100 |
| 10 | CCAWMCH011 | ATHIRA SUDEESH | 99.15 | 99.15 | 99.15 | 99.15 |
| 11 | CCAWMCH012 | AYANA C.B | 98.29 | 98.29 | 98.29 | 98.29 |
| 12 | CCAWMCH001 | AARSHA AUGUSTINE | 100 | 100 | 100 | 100 |
| 13 | CCAWMCH004 | ALEENA VARGHESE | 97.44 | 97.44 | 97.44 | 97.44 |
| 14 | CCAWMCH010 | ATHIRA P B | 100 | 100 | 100 | 100 |

| | | | | |
|--|-------|-------|-------|-------|
| Class Strength | 14 | | | |
| Course Outcomes addressed | CO1 | CO2 | CO3 | CO4 |
| Target of Course Outcome | 60 | 60 | 60 | 60 |
| No of students with CO value greater than or equal to 60 | 14 | 14 | 14 | 14 |
| Percentage of students with CO value greater than 60 | 100 | 100 | 100 | 100 |
| Average | 98.26 | 98.26 | 98.26 | 98.26 |
| Attainment Level | 3.00 | 3.00 | 3.00 | 3.00 |
| Attainment :High ■ Medium ■ Low ■ | | | | |

CO Attainment Levels



Attainment :High ■ Medium ■ Low ■

| CO List | |
|---------|---|
| CO Code | Description |
| CO1 | Separate the mixture of organic compounds |
| CO2 | Analyze the compounds separated from the mixture by chemical analysis |
| CO3 | Detect the melting and boiling points of the compounds |
| CO4 | Apply the principles for the preparation of organic compounds by two or three steps |



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| Course Community : CC19PCHE1L03 & CC19PCHE2L06 MSC CHE 2022 S2 | Faculty(s) : Dr. Robinson P Ponminiessary | Course : Physical Chemistry Practical |

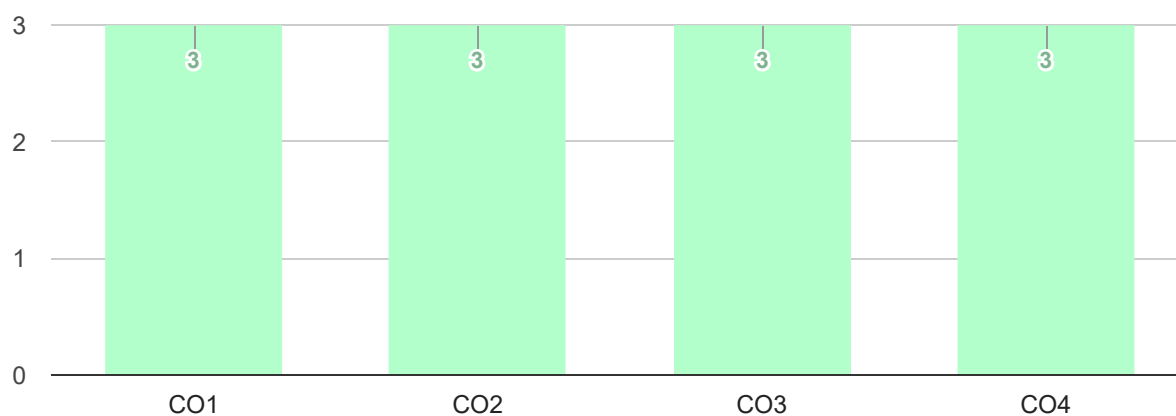
CO PO ATTAINMENT Report

Above Target Percentage : Below Target Percentage:

| # | Reg No | Student Name | CO1 | CO2 | CO3 | CO4 |
|----|------------|---------------------|------|------|------|------|
| 1 | CCAWMCH013 | GREESHMA K V | 93.6 | 93.6 | 93.6 | 93.6 |
| 2 | CCAWMCH014 | NIHALA C M | 80 | 80 | 80 | 80 |
| 3 | CCAWMCH002 | ADWAITH A.P. | 76.8 | 76.8 | 76.8 | 76.8 |
| 4 | CCAWMCH007 | ANGEL ROSE | 80 | 80 | 80 | 80 |
| 5 | CCAWMCH005 | ANDREA XAVIER | 80 | 80 | 80 | 80 |
| 6 | CCAWMCH009 | ARUN K J | 87.2 | 87.2 | 87.2 | 87.2 |
| 7 | CCAWMCH003 | ALEENA C. J | 76.8 | 76.8 | 76.8 | 76.8 |
| 8 | CCAWMCH008 | ANN RANJITH | 100 | 100 | 100 | 100 |
| 9 | CCAWMCH006 | ANDRIYA K.R | 80 | 80 | 80 | 80 |
| 10 | CCAWMCH011 | ATHIRA SUDEESH | 80 | 80 | 80 | 80 |
| 11 | CCAWMCH012 | AYANA C.B | 73.6 | 73.6 | 73.6 | 73.6 |
| 12 | CCAWMCH001 | AARSHA AUGUSTINE | 80 | 80 | 80 | 80 |
| 13 | CCAWMCH004 | ALEENA VARGHESE | 80 | 80 | 80 | 80 |
| 14 | CCAWMCH010 | ATHIRA P B | 100 | 100 | 100 | 100 |

| | | | | |
|--|-------|-------|-------|-------|
| Class Strength | 14 | | | |
| Course Outcomes addressed | CO1 | CO2 | CO3 | CO4 |
| Target of Course Outcome | 60 | 60 | 60 | 60 |
| No of students with CO value greater than or equal to 60 | 14 | 14 | 14 | 14 |
| Percentage of students with CO value greater than 60 | 100 | 100 | 100 | 100 |
| Average | 83.43 | 83.43 | 83.43 | 83.43 |
| Attainment Level | 3.00 | 3.00 | 3.00 | 3.00 |
| Attainment :High ■ Medium ■ Low ■ | | | | |

CO Attainment Levels



Attainment :High ■ Medium ■ Low ■

| CO List | |
|----------------|--|
| CO Code | Description |
| CO1 | Examine the working and application of potentiometer, conductivity meter, viscometer and refractometer |
| CO2 | Compare the relation of solubility with molar heat of solution. |
| CO3 | Examine the distribution law |
| CO4 | Analyze the principle behind the experiment performed in the laboratory |