CHRIST COLLEGE (AUTONOMOUS)
IRINJALAKUDA.Kerala-680125
Reaccredited by NAAC with 'A++' grade

OBE CARD

Department:	CHEMISTRY
Program:	M.Sc. Chemistry
Batch:	MSC CHE SF 2022

Name:	ANJITHA T V
Register No:	CCAWMCH017
Admission No:	28324
Entry Year:	2022
Exit Year:	2024

This report provides the evidence of OBE implementation in CHRIST COLLEGE (AUTONOMOUS), and the measurement of both direct and indirect assessment of students during the academic year 2022-2024

Program: M.Sc. Chemistry

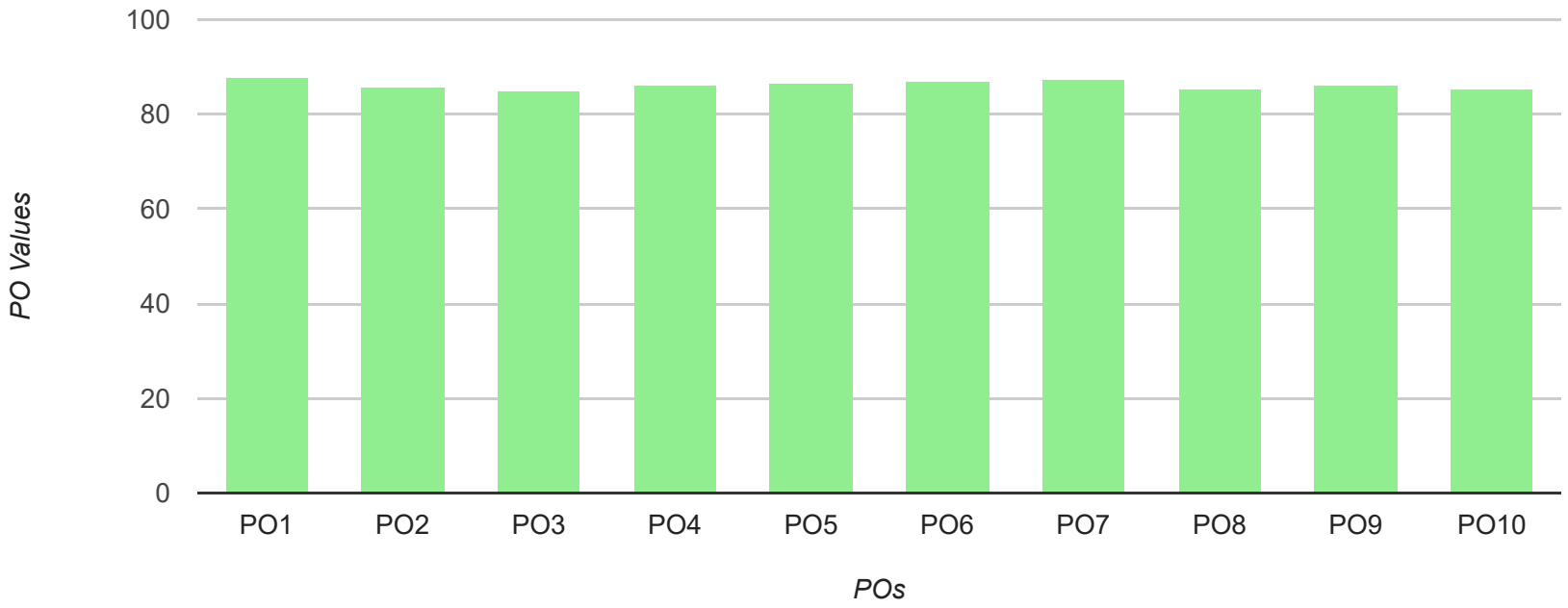
Program Outcome LIST

PO CODE	PO DESCRIPTION
PO1	Through knowledge in the chosen discipline
PO2	An aptitude for research
PO3	An independent and individual way of thinking and communicating ideas
PO4	The ability to access and utilize knowledge and information for personal and general good
PO5	The discretion to engage in academic work with academic integrity
PO6	To know how to function in multidisciplinary domains
PO7	A global perspective, facilitating appropriate interaction with people from various cultural, linguistic and religious backgrounds
PO8	Decision-making and reasoning ability to find solutions to ethical problems
PO9	A spirit of selfless service making him willing to serve the needy and the marginalized
PO10	A heightened awareness of environmental issues and necessity of solving them

Program Outcome Attainment

PROGRAM OUTCOME PERCENTAGE OF ANJITHA T V										
PO CODE	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**

	87.83	85.57	84.88	86.21	86.73	86.89	87.34	85.39	86.13	85.19

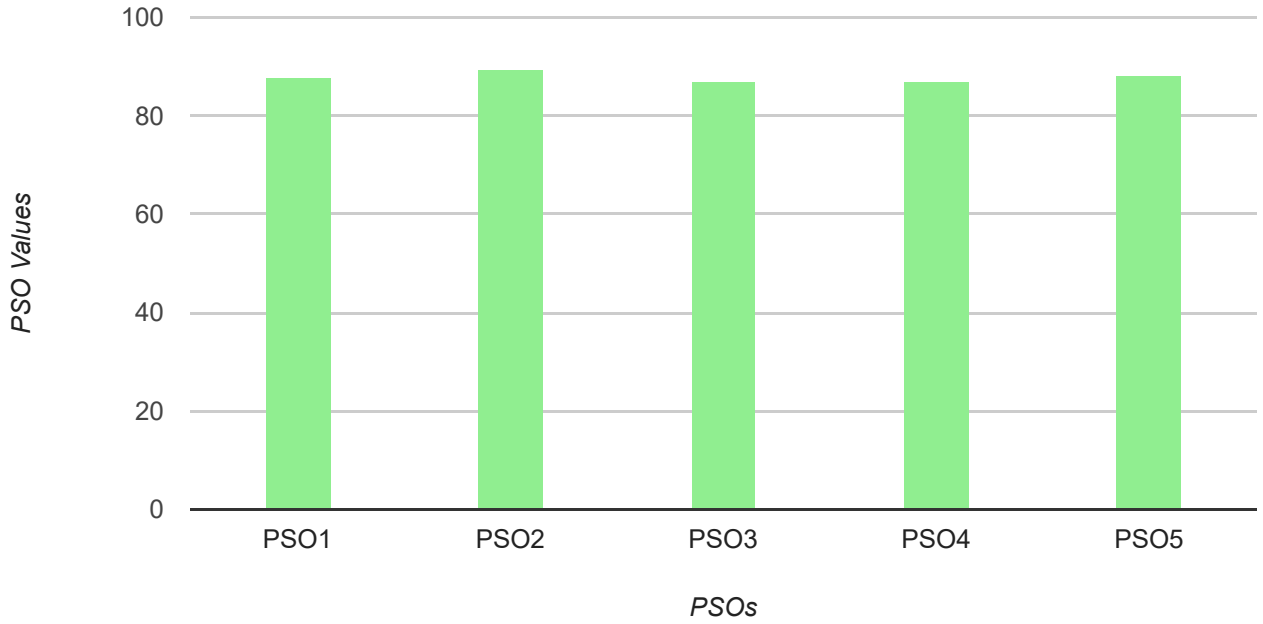


Program Specific Outcome LIST

PSO CODE	PSO DESCRIPTION
PSO1	To lay a strong foundation in the fundamentals and application of current chemical and scientific theories.
PSO2	Develops analytical skills and problem-solving skills requiring application of chemical principles.
PSO3	To enable the students to understand the importance of chemistry for addressing social, economic, and environmental problems.
PSO4	Learns about the potential uses of analytical chemistry, medicinal chemistry, and green chemistry
PSO5	To apply appropriate techniques for the qualitative and quantitative analysis of chemicals in laboratories and in industries for developing green chemistry approach towards planning and execution of research in frontier areas of chemical sciences.

Program Specific Outcome Attainment

PROGRAM SPECIFIC OUTCOME PERCENTAGE OF ANJITHA T V					
PSO CODE	**PSO1**	**PSO2**	**PSO3**	**PSO4**	**PSO5**
	87.64	89.56	86.79	86.93	88.27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PSO Values
PSO1
PSO2
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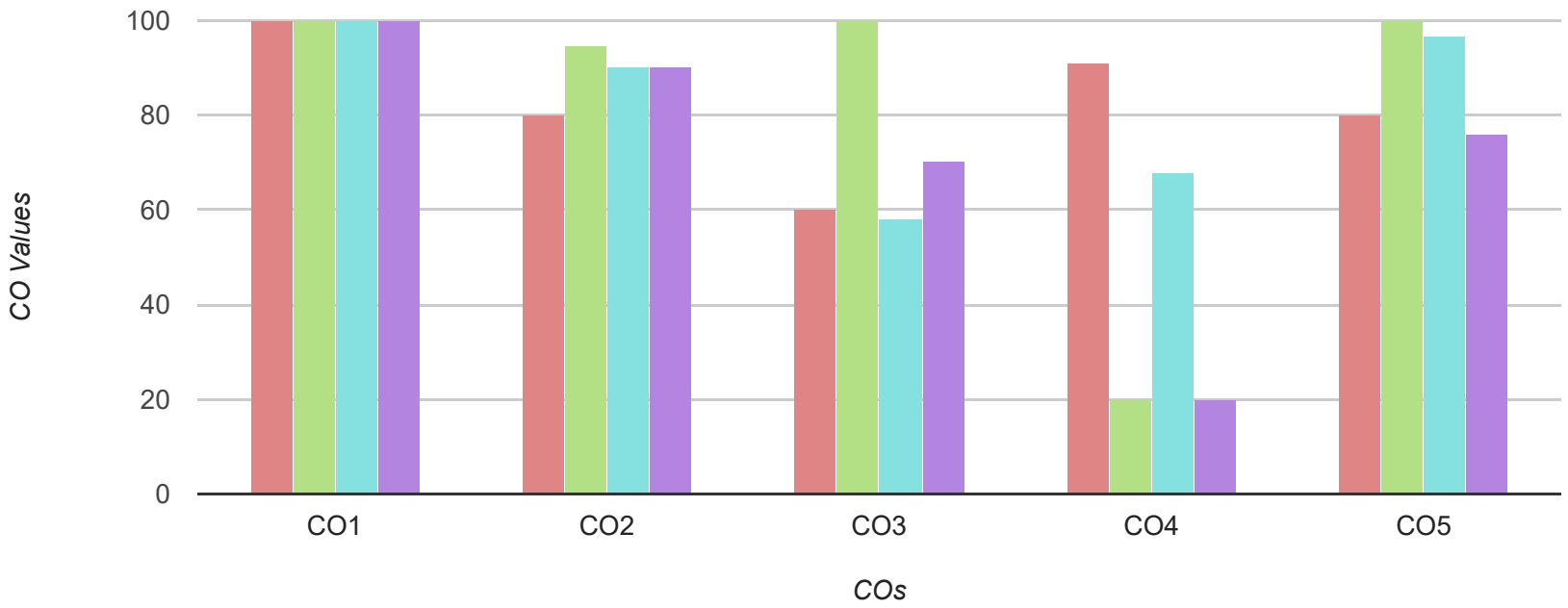
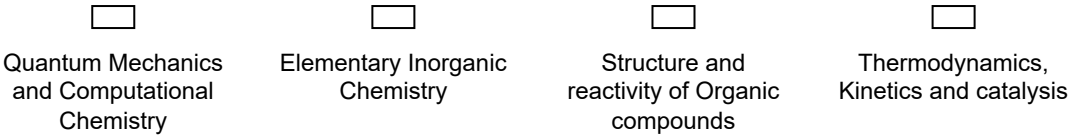
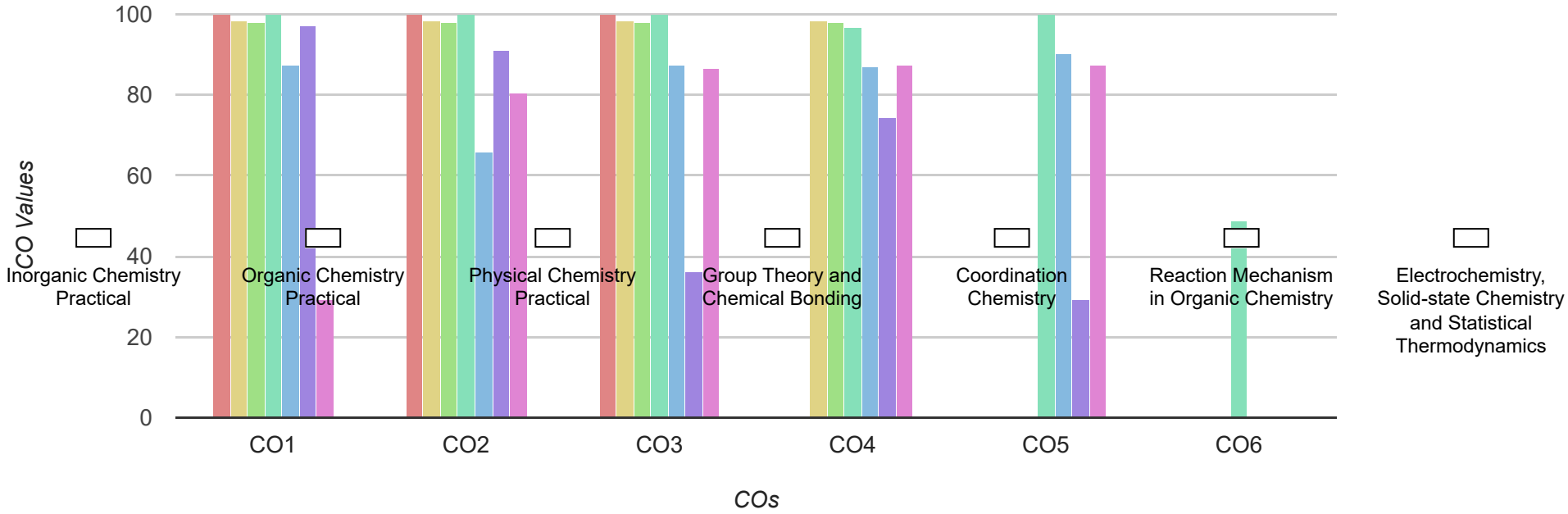
PSO5
PSOs

SEMESTER 1 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Quantum Mechanics and Computational Chemistry	**CC19PCHE1C01**	100.00	80.00	60.00	90.86	80.00	
Elementary Inorganic Chemistry	**CC19PCHE1C02**	100.00	94.67	100.00	20.00	100.00	
Structure and reactivity of Organic compounds	**CC19PCHE1C03**	100.00	90.40	58.00	68.00	96.80	
Thermodynamics, Kinetics and catalysis	**CC19PCHE1C04**	100.00	90.15	70.29	20.00	76.00	




Quantum Mechanics and Computational Chemistry
Elementary Inorganic Chemistry
Structure and reactivity of Organic compounds
Thermodynamics, Kinetics and catalysis

SEMESTER 2 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Inorganic Chemistry Practical	**CC19PCHE1L01 & CC19PCHE2L04**	100.00	100.00	100.00			
Organic Chemistry Practical	**CC19PCHE1L02 & CC19PCHE2L05**	98.29	98.29	98.29	98.29		
Physical Chemistry Practical	**CC19PCHE1L03 & CC19PCHE2L06**	97.87	97.87	97.87	97.87		
Group Theory and Chemical Bonding	**CC19PCHE2C05**	100.00	100.00	100.00	96.80	100.00	48.80
Coordination Chemistry	**CC19PCHE2C06**	87.52	65.87	87.20	86.93	90.13	
Reaction Mechanism in Organic Chemistry	**CC19PCHE2C07**	97.16	90.86	36.00	74.40	29.33	
Electrochemistry, Solid-state Chemistry and Statistical Thermodynamics	**CC19PCHE2C08**	29.33	80.53	86.67	87.20	87.20	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CO Values
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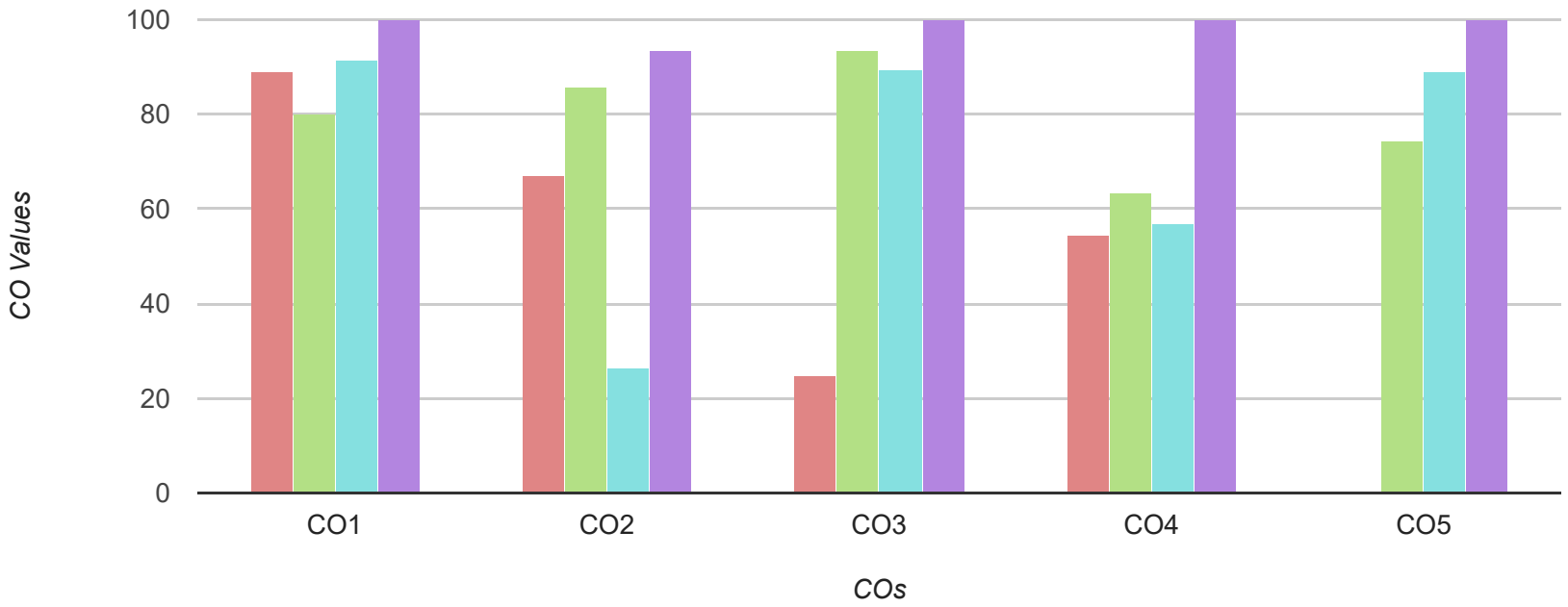
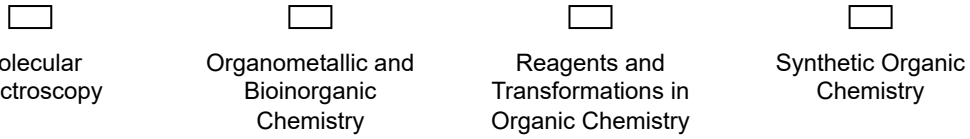
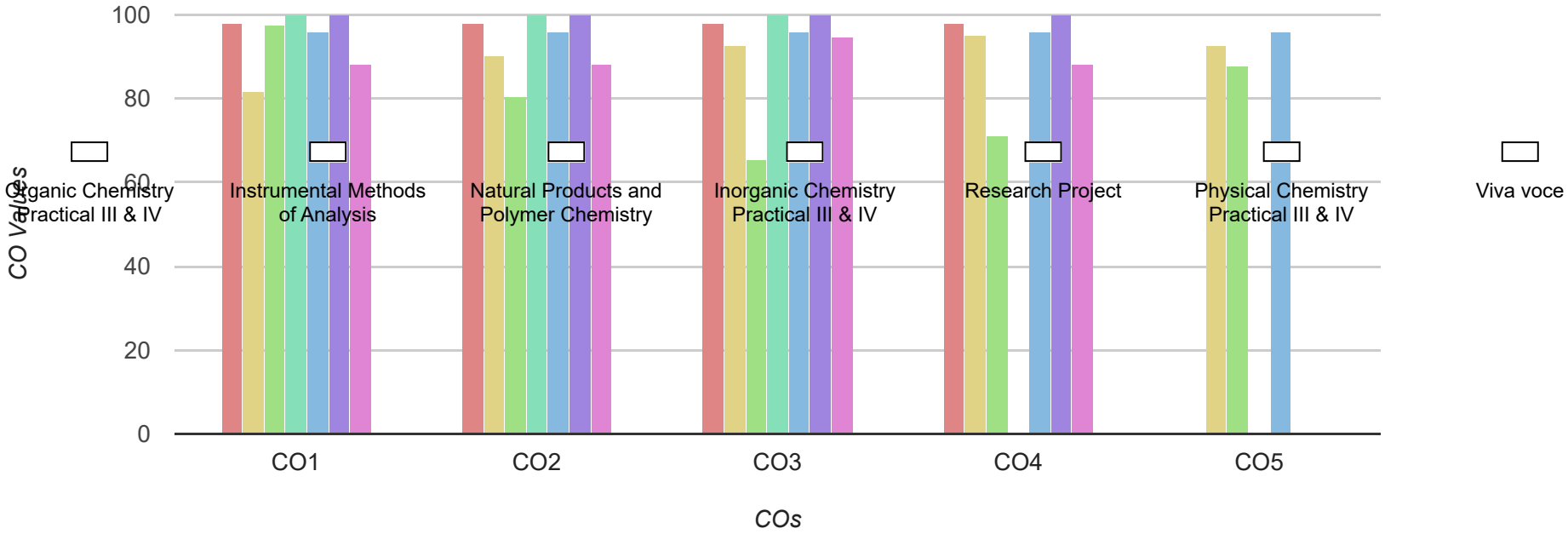
COs
Inorganic Chemistry Practical
Organic Chemistry Practical
Physical Chemistry Practical
Group Theory and Chemical Bonding
Coordination Chemistry
Reaction Mechanism in Organic Chemistry
Electrochemistry, Solid-state Chemistry and Statistical Thermodynamics

SEMESTER 3 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Molecular Spectroscopy	**CC19PCHE3C09**	89.10	67.27	24.76	54.36		
Organometallic and Bioinorganic Chemistry	**CC19PCHE3C10**	79.98	85.77	93.67	63.58	74.25	
Reagents and Transformations in Organic Chemistry	**CC19PCHE3C11**	91.42	26.22	89.53	57.10	88.94	
Synthetic Organic Chemistry	**CC19PCHE3E01**	100.00	93.33	100.00	100.00	100.00	




Molecular Spectroscopy
Organometallic and Bioinorganic Chemistry
Reagents and Transformations in Organic Chemistry
Synthetic Organic Chemistry

SEMESTER 4 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Organic Chemistry Practical III & IV	**CC19PCHE3L08 & CC19PCHE4L11**	97.87	97.87	97.87	97.87		
Instrumental Methods of Analysis	**CC19PCHE4C12**	81.63	90.37	92.51	94.96	92.83	
Natural Products and Polymer Chemistry	**CC19PCHE4E06**	97.58	80.36	65.52	71.22	87.92	
Inorganic Chemistry Practical III & IV	**CC19PCHE3L07 & CC19PCHE4L10**	100.00	100.00	100.00			
Research Project	**CC19PCHE4P01**	95.90	95.90	95.90	95.90	95.90	
Physical Chemistry Practical III & IV	**CC19PCHE3L09 & CC19PCHE4L12**	100.00	100.00	100.00	100.00		
Viva voce	**CC19PCHE4V01**	88.05	88.05	94.72	88.05		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CO Values
CO1
CO2
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CO5
COs
Organic Chemistry Practical III & IV
Instrumental Methods of Analysis
Natural Products and Polymer Chemistry
Inorganic Chemistry Practical III & IV
Research Project
Physical Chemistry Practical III & IV
Viva voce

CHRIST COLLEGE (AUTONOMOUS)
IRINJALAKUDA.Kerala-680125
Reaccredited by NAAC with 'A++' grade

OBE CARD

Department:	CHEMISTRY
Program:	M.Sc. Chemistry
Batch:	MSC CHE SF 2022

Name:	AKSHAYA RAMACHANDRAN
Register No:	CCAWMCH015
Admission No:	28322
Entry Year:	2022
Exit Year:	2024

This report provides the evidence of OBE implementation in CHRIST COLLEGE (AUTONOMOUS), and the measurement of both direct and indirect assessment of students during the academic year 2022-2024

Program: M.Sc. Chemistry

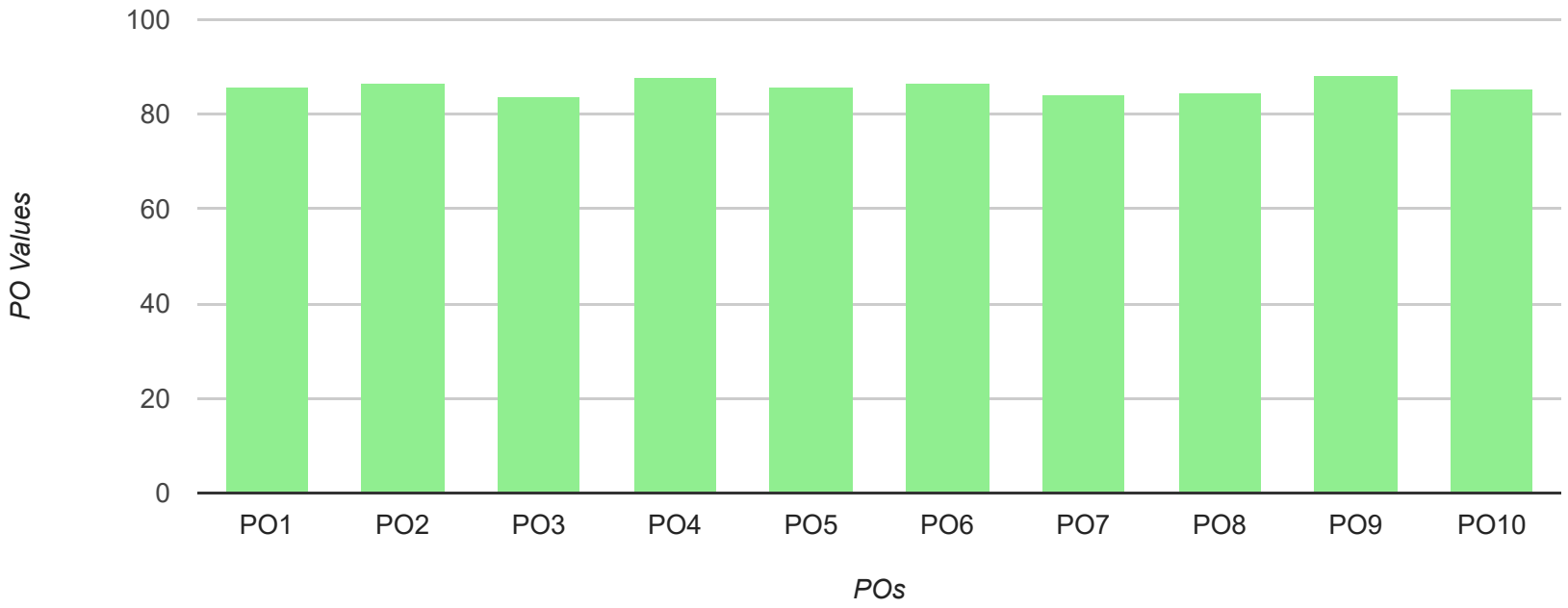
Program Outcome LIST

PO CODE	PO DESCRIPTION
PO1	Through knowledge in the chosen discipline
PO2	An aptitude for research
PO3	An independent and individual way of thinking and communicating ideas
PO4	The ability to access and utilize knowledge and information for personal and general good
PO5	The discretion to engage in academic work with academic integrity
PO6	To know how to function in multidisciplinary domains
PO7	A global perspective, facilitating appropriate interaction with people from various cultural, linguistic and religious backgrounds
PO8	Decision-making and reasoning ability to find solutions to ethical problems
PO9	A spirit of selfless service making him willing to serve the needy and the marginalized
PO10	A heightened awareness of environmental issues and necessity of solving them

Program Outcome Attainment

PROGRAM OUTCOME PERCENTAGE OF AKSHAYA RAMACHANDRAN										
PO CODE	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**

	85.84	86.43	83.79	87.75	85.89	86.73	84.34	84.62	88.05	85.49

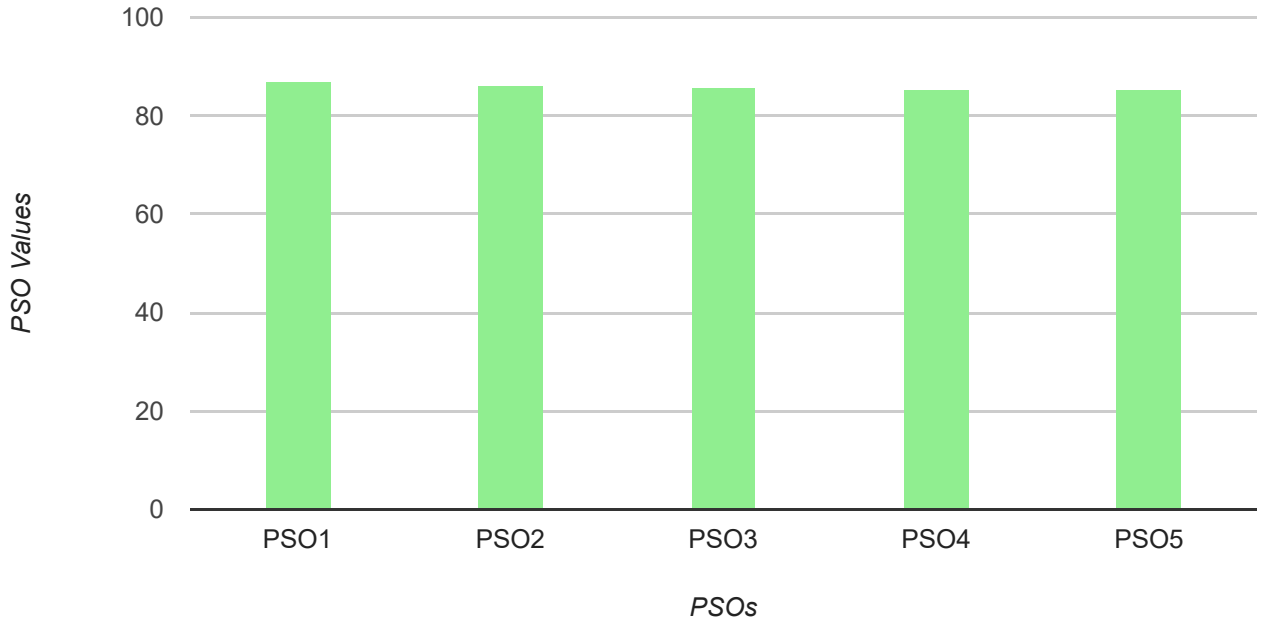


Program Specific Outcome LIST

PSO CODE	PSO DESCRIPTION
PSO1	To lay a strong foundation in the fundamentals and application of current chemical and scientific theories.
PSO2	Develops analytical skills and problem-solving skills requiring application of chemical principles.
PSO3	To enable the students to understand the importance of chemistry for addressing social, economic, and environmental problems.
PSO4	Learns about the potential uses of analytical chemistry, medicinal chemistry, and green chemistry
PSO5	To apply appropriate techniques for the qualitative and quantitative analysis of chemicals in laboratories and in industries for developing green chemistry approach towards planning and execution of research in frontier areas of chemical sciences.

Program Specific Outcome Attainment

PROGRAM SPECIFIC OUTCOME PERCENTAGE OF AKSHAYA RAMACHANDRAN					
PSO CODE	**PSO1**	**PSO2**	**PSO3**	**PSO4**	**PSO5**
	87.06	86.00	85.76	85.42	85.43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PSO Values
PSO1
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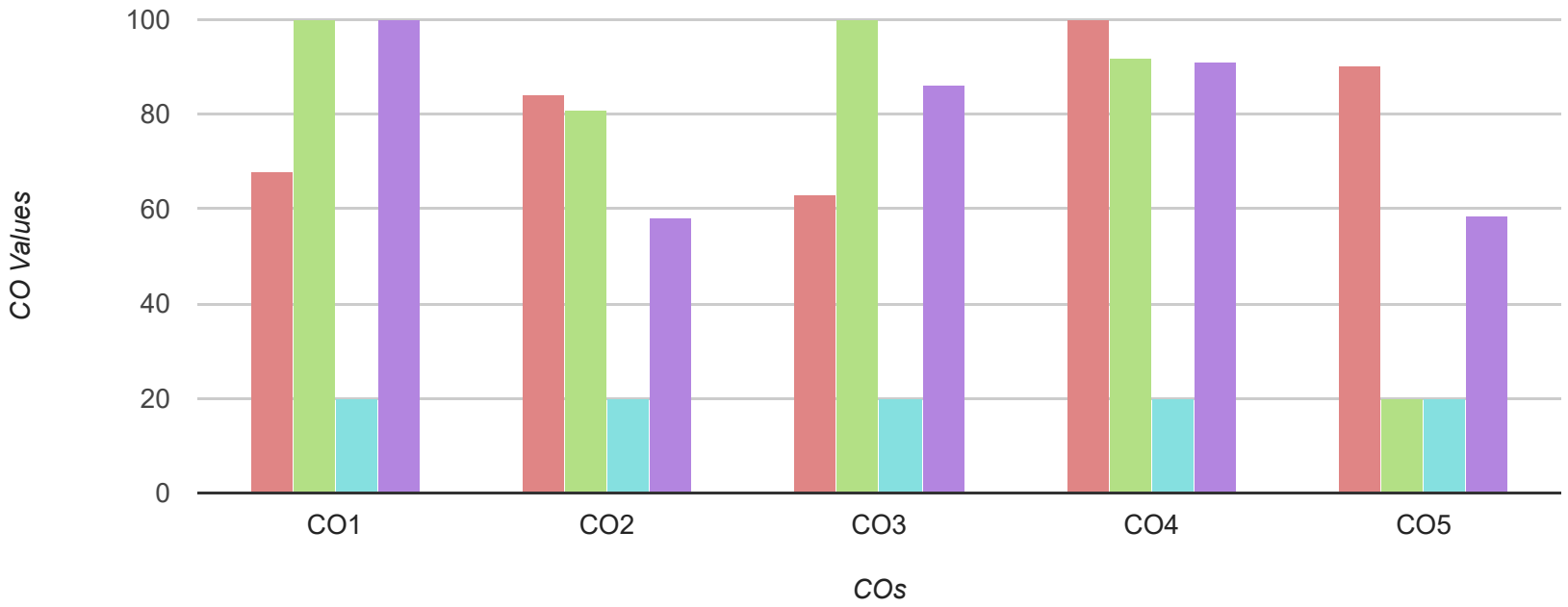
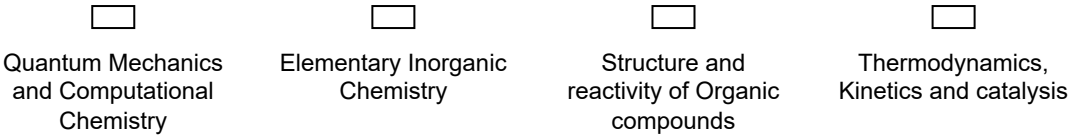
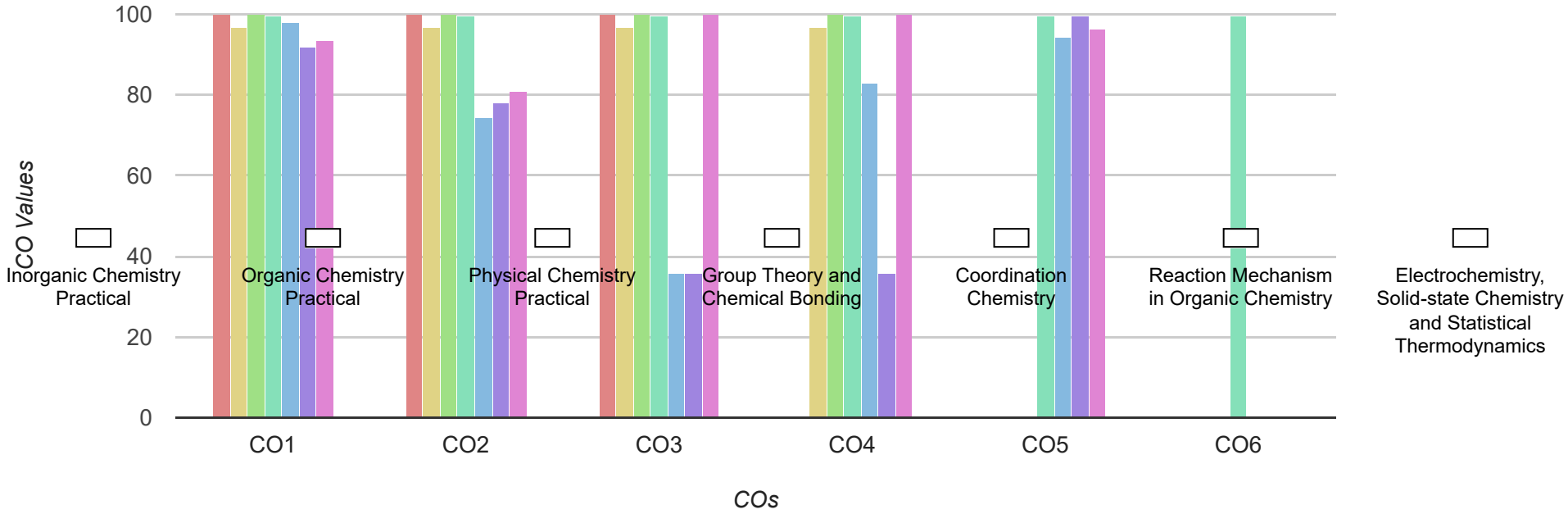
PSOs

SEMESTER 1 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Quantum Mechanics and Computational Chemistry	**CC19PCHE1C01**	68.00	84.00	63.08	100.00	90.40	
Elementary Inorganic Chemistry	**CC19PCHE1C02**	99.80	80.89	99.80	91.80	19.80	
Structure and reactivity of Organic compounds	**CC19PCHE1C03**	20.00	20.00	20.00	20.00	20.00	
Thermodynamics, Kinetics and catalysis	**CC19PCHE1C04**	100.00	58.00	86.29	91.11	58.40	




Quantum Mechanics and Computational Chemistry
Elementary Inorganic Chemistry
Structure and reactivity of Organic compounds
Thermodynamics, Kinetics and catalysis

SEMESTER 2 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Inorganic Chemistry Practical	**CC19PCHE1L01 & CC19PCHE2L04**	100.00	100.00	100.00			
Organic Chemistry Practical	**CC19PCHE1L02 & CC19PCHE2L05**	96.59	96.59	96.59	96.59		
Physical Chemistry Practical	**CC19PCHE1L03 & CC19PCHE2L06**	100.00	100.00	100.00	100.00		
Group Theory and Chemical Bonding	**CC19PCHE2C05**	99.58	99.58	99.58	99.58	99.58	99.58
Coordination Chemistry	**CC19PCHE2C06**	98.11	74.34	35.94	82.87	94.25	
Reaction Mechanism in Organic Chemistry	**CC19PCHE2C07**	91.79	77.86	35.62	35.62	99.62	
Electrochemistry, Solid-state Chemistry and Statistical Thermodynamics	**CC19PCHE2C08**	93.60	80.80	100.00	100.00	96.51	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CO Values
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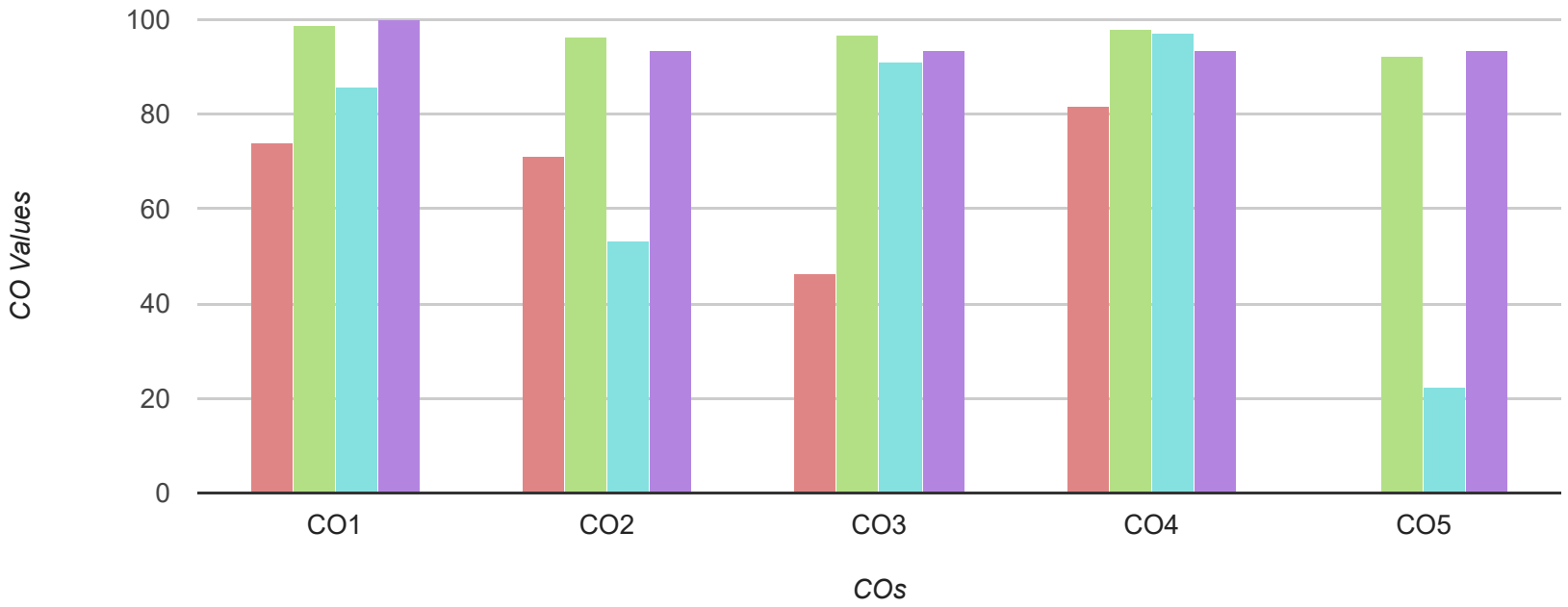
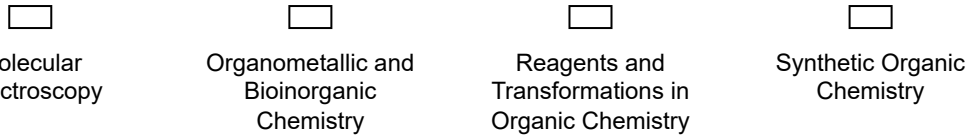
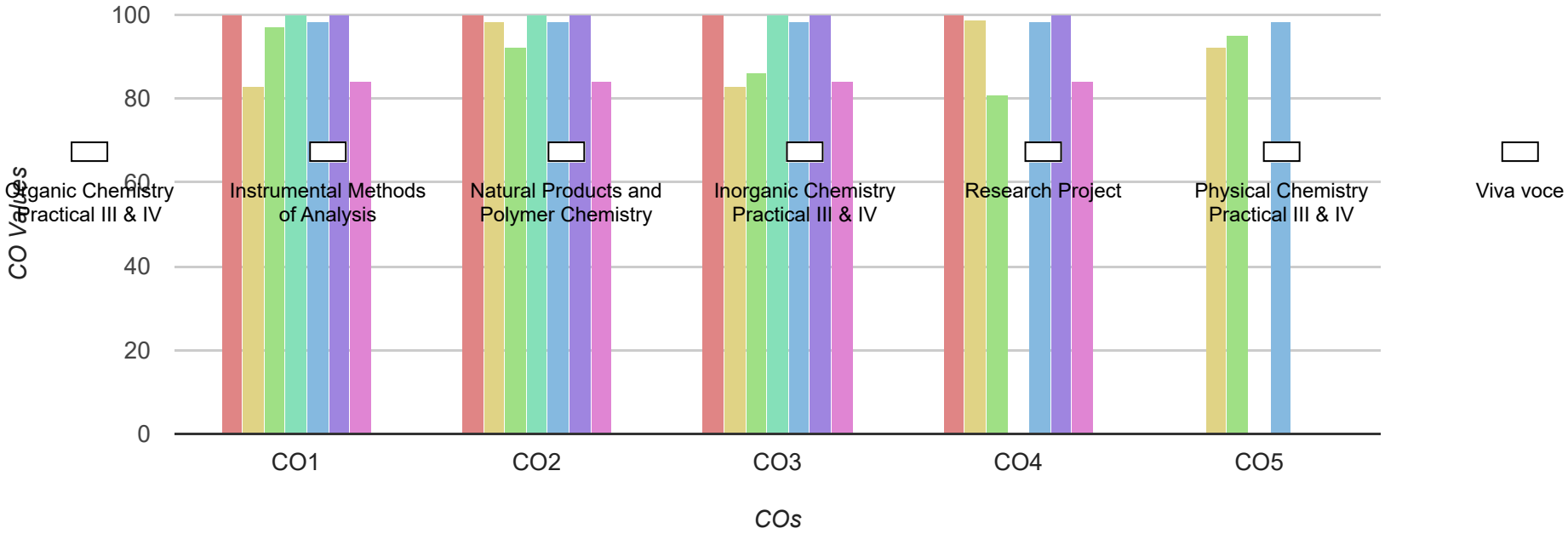
Inorganic Chemistry Practical
Organic Chemistry Practical
Physical Chemistry Practical
Group Theory and Chemical Bonding
Coordination Chemistry
Reaction Mechanism in Organic Chemistry
Electrochemistry, Solid-state Chemistry and Statistical Thermodynamics

SEMESTER 3 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Molecular Spectroscopy	**CC19PCHE3C09**	73.79	70.95	46.15	81.75		
Organometallic and Bioinorganic Chemistry	**CC19PCHE3C10**	98.70	96.51	96.63	98.10	92.41	
Reagents and Transformations in Organic Chemistry	**CC19PCHE3C11**	85.70	53.41	90.95	97.27	22.29	
Synthetic Organic Chemistry	**CC19PCHE3E01**	100.00	93.33	93.33	93.33	93.33	




Molecular Spectroscopy
Organometallic and Bioinorganic Chemistry
Reagents and Transformations in Organic Chemistry
Synthetic Organic Chemistry

SEMESTER 4 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Organic Chemistry Practical III & IV	**CC19PCHE3L08 & CC19PCHE4L11**	100.00	100.00	100.00	100.00		
Instrumental Methods of Analysis	**CC19PCHE4C12**	82.81	98.52	82.81	98.81	92.41	
Natural Products and Polymer Chemistry	**CC19PCHE4E06**	97.27	92.11	86.09	81.09	94.96	
Inorganic Chemistry Practical III & IV	**CC19PCHE3L07 & CC19PCHE4L10**	100.00	100.00	100.00			
Research Project	**CC19PCHE4P01**	98.21	98.21	98.21	98.21	98.21	
Physical Chemistry Practical III & IV	**CC19PCHE3L09 & CC19PCHE4L12**	100.00	100.00	100.00	100.00		
Viva voce	**CC19PCHE4V01**	84.00	84.00	84.00	84.00		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CO Values
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COs
Organic Chemistry Practical III & IV
Instrumental Methods of Analysis
Natural Products and Polymer Chemistry
Inorganic Chemistry Practical III & IV
Research Project
Physical Chemistry Practical III & IV
Viva voce

CHRIST COLLEGE (AUTONOMOUS)
IRINJALAKUDA.Kerala-680125
Reaccredited by NAAC with 'A++' grade

OBE CARD

Department:	CHEMISTRY
Program:	M.Sc. Chemistry
Batch:	MSC CHE SF 2022

Name:	AMRUTHA P.N.
Register No:	CCAWMCH016
Admission No:	28323
Entry Year:	2022
Exit Year:	2024

This report provides the evidence of OBE implementation in CHRIST COLLEGE (AUTONOMOUS), and the measurement of both direct and indirect assessment of students during the academic year 2022-2024

Program: M.Sc. Chemistry

Program Outcome LIST

PO CODE	PO DESCRIPTION
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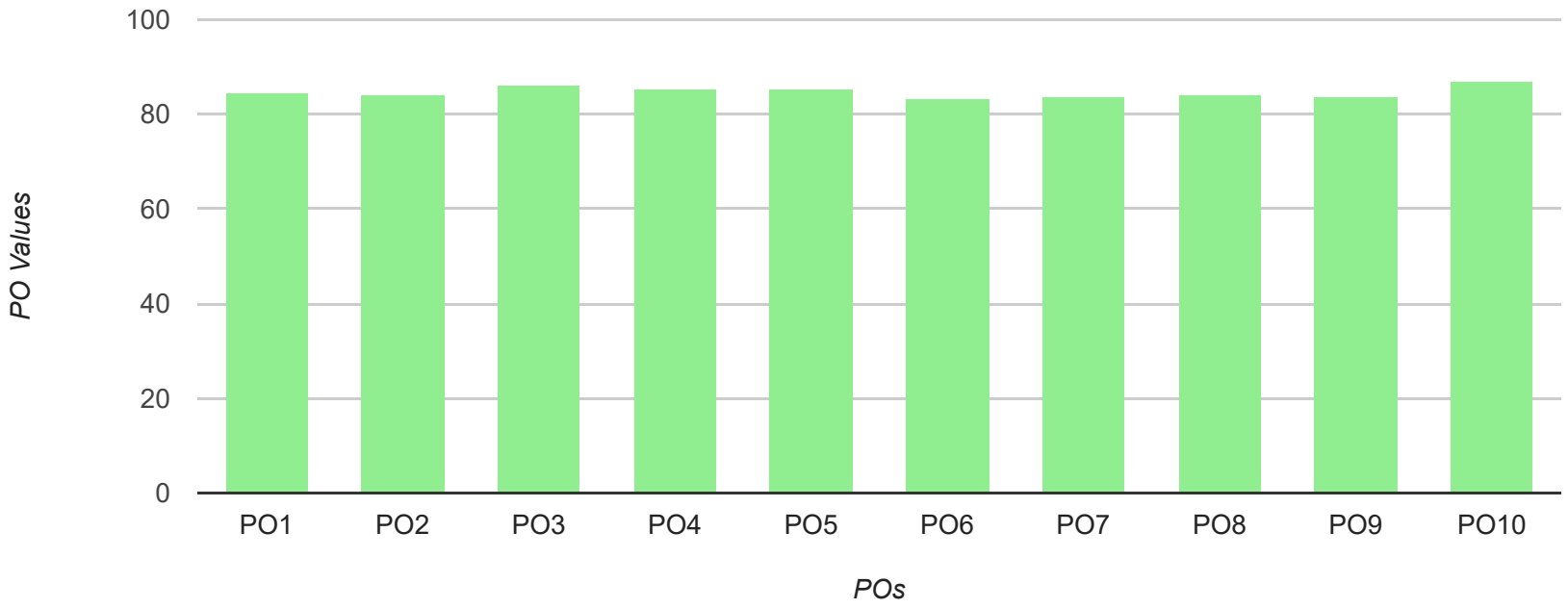
PO2	An aptitude for research
PO3	An independent and individual way of thinking and communicating ideas
PO4	The ability to access and utilize knowledge and information for personal and general good
PO5	The discretion to engage in academic work with academic integrity
PO6	To know how to function in multidisciplinary domains
PO7	A global perspective, facilitating appropriate interaction with people from various cultural, linguistic and religious backgrounds
PO8	Decision-making and reasoning ability to find solutions to ethical problems
PO9	A spirit of selfless service making him willing to serve the needy and the marginalized
PO10	A heightened awareness of environmental issues and necessity of solving them

Program Outcome Attainment

PROGRAM OUTCOME PERCENTAGE OF AMRUTHA P.N.										
PO CODE	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**

	84.74	84.27	86.31	85.49	85.49	83.42	83.82	84.18	83.55	87.14

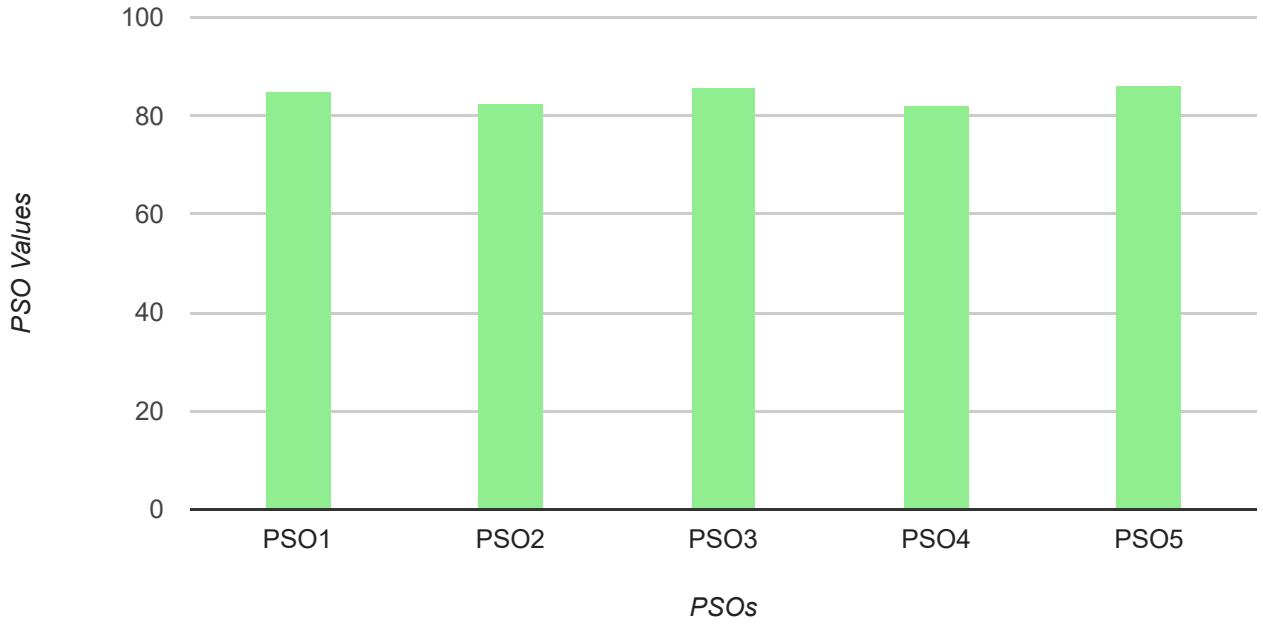


Program Specific Outcome LIST

PSO CODE	PSO DESCRIPTION
PSO1	To lay a strong foundation in the fundamentals and application of current chemical and scientific theories.
PSO2	Develops analytical skills and problem-solving skills requiring application of chemical principles.
PSO3	To enable the students to understand the importance of chemistry for addressing social, economic, and environmental problems.
PSO4	Learns about the potential uses of analytical chemistry, medicinal chemistry, and green chemistry
PSO5	To apply appropriate techniques for the qualitative and quantitative analysis of chemicals in laboratories and in industries for developing green chemistry approach towards planning and execution of research in frontier areas of chemical sciences.

Program Specific Outcome Attainment

PROGRAM SPECIFIC OUTCOME PERCENTAGE OF AMRUTHA P.N.					
PSO CODE	**PSO1**	**PSO2**	**PSO3**	**PSO4**	**PSO5**
	84.83	82.71	85.61	82.17	86.11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PSO Values
PSO1
PSO2
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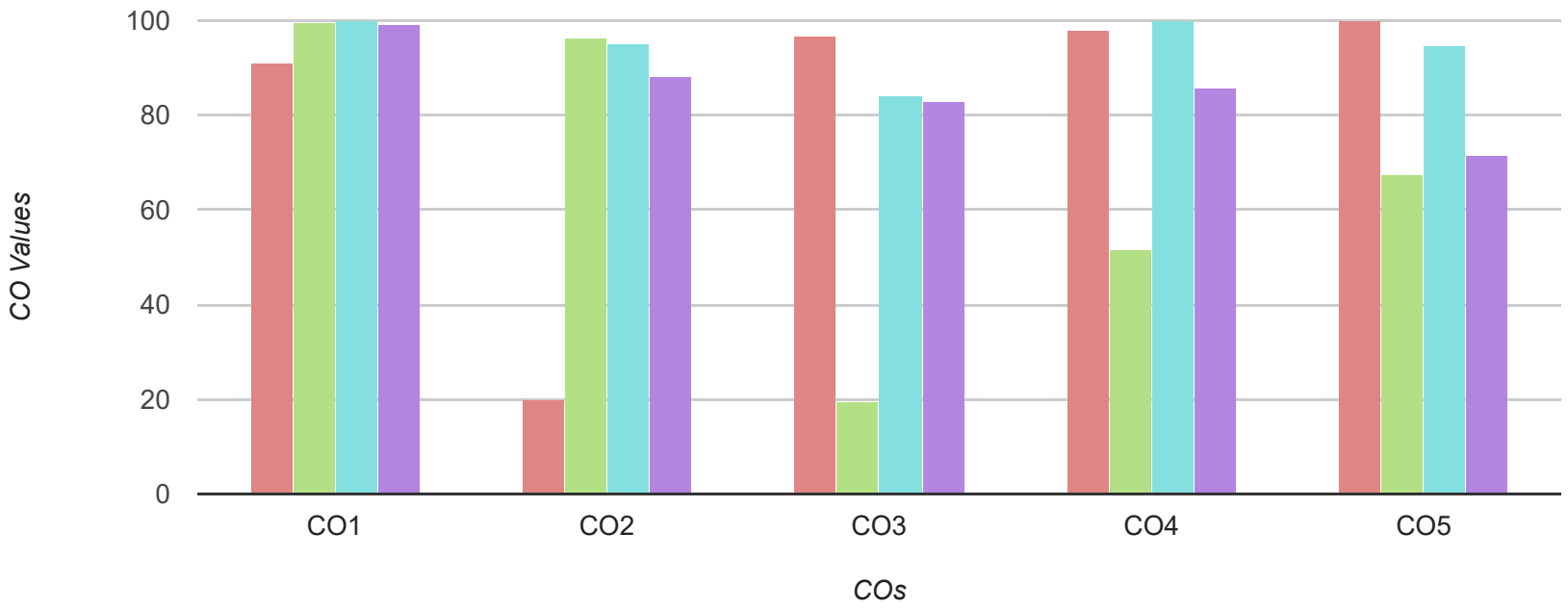
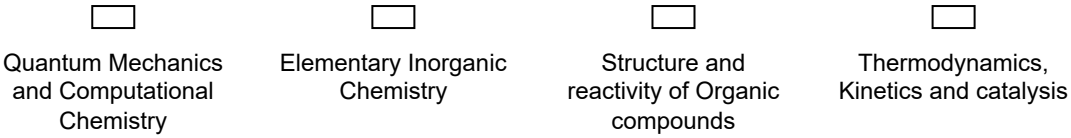
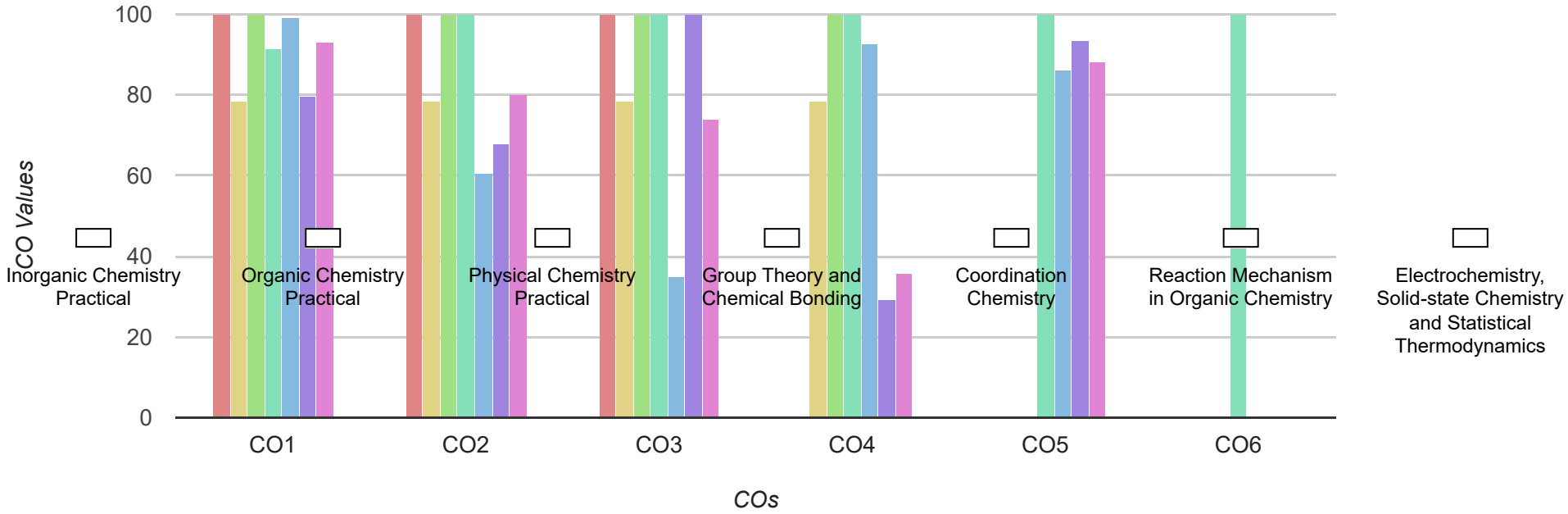
PSO5
PSOs

SEMESTER 1 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Quantum Mechanics and Computational Chemistry	**CC19PCHE1C01**	91.03	19.92	96.72	98.14	99.92	
Elementary Inorganic Chemistry	**CC19PCHE1C02**	99.68	96.20	19.68	51.68	67.68	
Structure and reactivity of Organic compounds	**CC19PCHE1C03**	100.00	95.08	84.00	100.00	94.67	
Thermodynamics, Kinetics and catalysis	**CC19PCHE1C04**	99.12	88.04	83.12	85.79	71.69	




Quantum Mechanics and Computational Chemistry
Elementary Inorganic Chemistry
Structure and reactivity of Organic compounds
Thermodynamics, Kinetics and catalysis

SEMESTER 2 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Inorganic Chemistry Practical	**CC19PCHE1L01 & CC19PCHE2L04**	100.00	100.00	100.00			
Organic Chemistry Practical	**CC19PCHE1L02 & CC19PCHE2L05**	78.29	78.29	78.29	78.29		
Physical Chemistry Practical	**CC19PCHE1L03 & CC19PCHE2L06**	100.00	100.00	100.00	100.00		
Group Theory and Chemical Bonding	**CC19PCHE2C05**	91.47	100.00	100.00	100.00	100.00	100.00
Coordination Chemistry	**CC19PCHE2C06**	99.14	60.74	35.14	92.74	86.34	
Reaction Mechanism in Organic Chemistry	**CC19PCHE2C07**	79.78	67.73	100.00	29.33	93.33	
Electrochemistry, Solid-state Chemistry and Statistical Thermodynamics	**CC19PCHE2C08**	92.95	80.15	74.02	35.62	88.10	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CO Values
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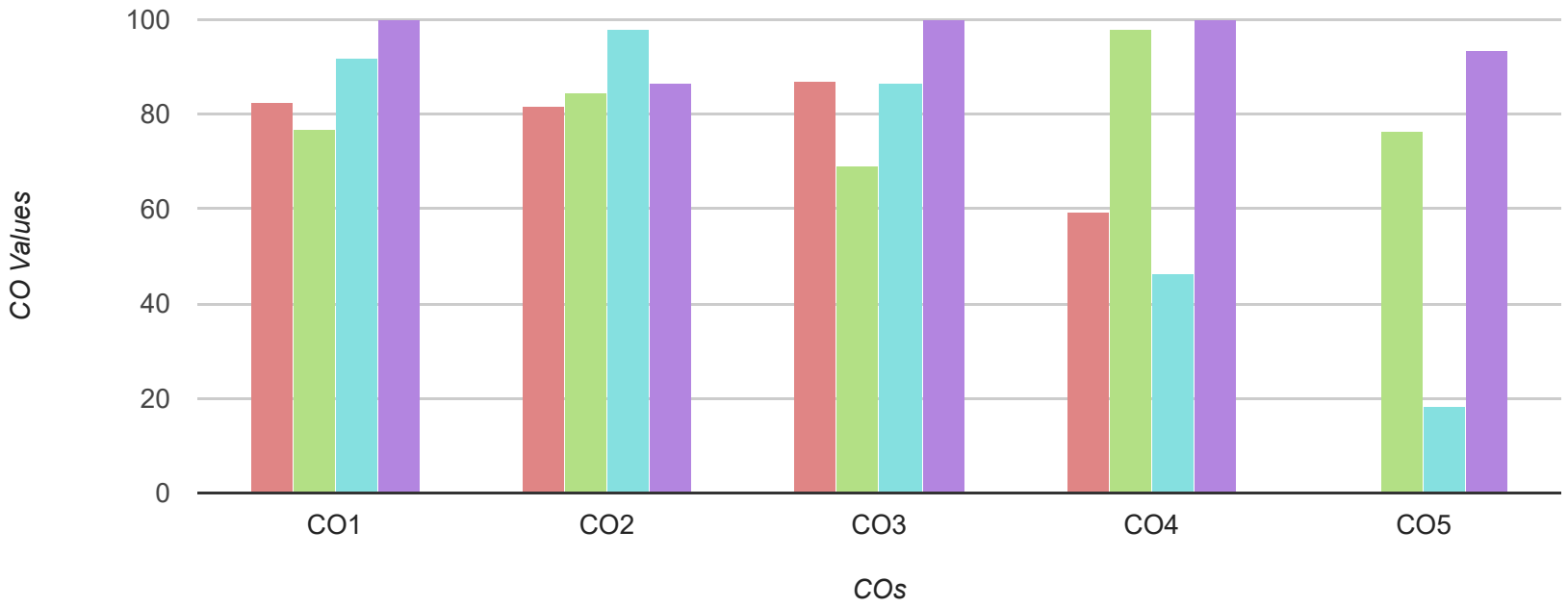
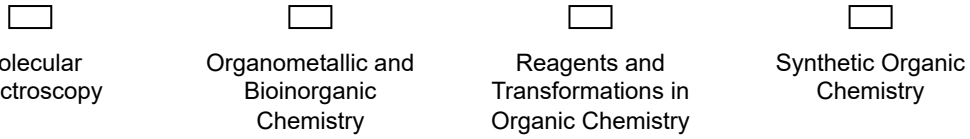
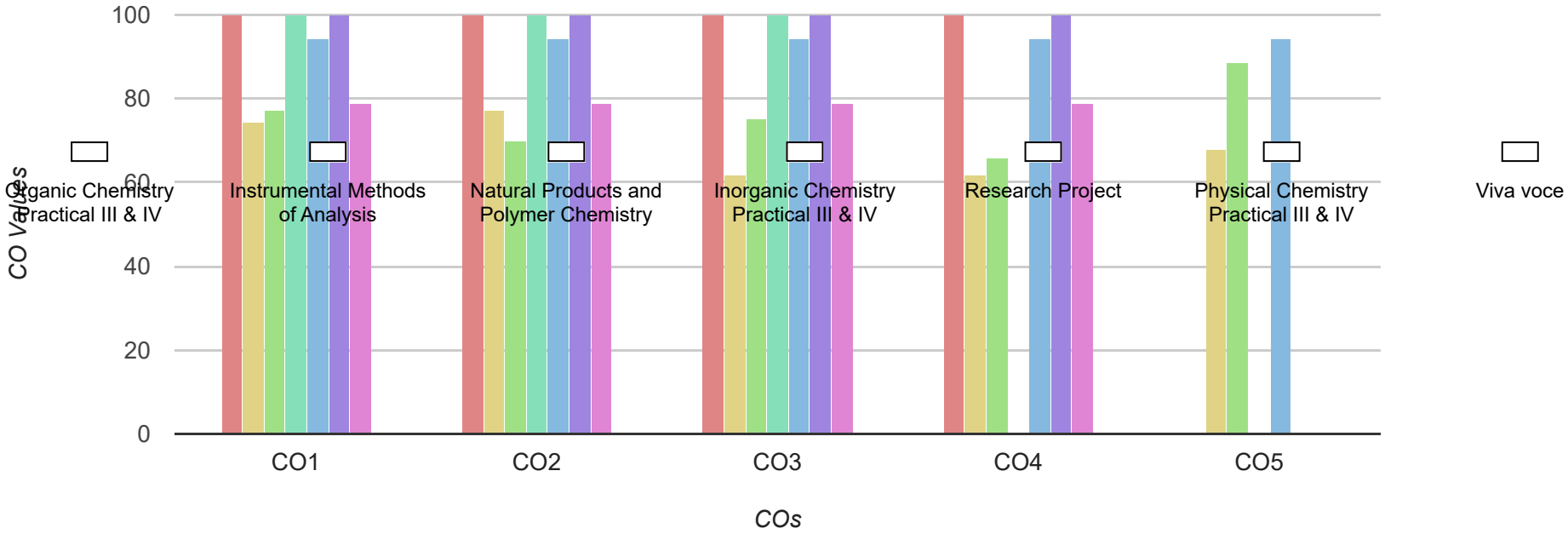
Inorganic Chemistry Practical
Organic Chemistry Practical
Physical Chemistry Practical
Group Theory and Chemical Bonding
Coordination Chemistry
Reaction Mechanism in Organic Chemistry
Electrochemistry, Solid-state Chemistry and Statistical Thermodynamics

SEMESTER 3 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Molecular Spectroscopy	**CC19PCHE3C09**	82.48	81.79	87.04	59.30		
Organometallic and Bioinorganic Chemistry	**CC19PCHE3C10**	76.85	84.42	69.27	97.92	76.29	
Reagents and Transformations in Organic Chemistry	**CC19PCHE3C11**	91.81	98.13	86.39	46.50	18.19	
Synthetic Organic Chemistry	**CC19PCHE3E01**	100.00	86.67	100.00	100.00	93.33	




Molecular Spectroscopy
Organometallic and Bioinorganic Chemistry
Reagents and Transformations in Organic Chemistry
Synthetic Organic Chemistry

SEMESTER 4 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Organic Chemistry Practical III & IV	**CC19PCHE3L08 & CC19PCHE4L11**	100.00	100.00	100.00	100.00		
Instrumental Methods of Analysis	**CC19PCHE4C12**	74.43	77.04	61.63	61.63	68.03	
Natural Products and Polymer Chemistry	**CC19PCHE4E06**	77.41	70.09	75.21	65.96	88.82	
Inorganic Chemistry Practical III & IV	**CC19PCHE3L07 & CC19PCHE4L10**	100.00	100.00	100.00			
Research Project	**CC19PCHE4P01**	94.11	94.11	94.11	94.11	94.11	
Physical Chemistry Practical III & IV	**CC19PCHE3L09 & CC19PCHE4L12**	100.00	100.00	100.00	100.00		
Viva voce	**CC19PCHE4V01**	78.72	78.72	78.72	78.72		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Organic Chemistry Practical III & IV
Instrumental Methods of Analysis
Natural Products and Polymer Chemistry
Inorganic Chemistry Practical III & IV
Research Project
Physical Chemistry Practical III & IV
Viva voce

CHRIST COLLEGE (AUTONOMOUS)
IRINJALAKUDA.Kerala-680125
Reaccredited by NAAC with 'A++' grade

OBE CARD

Department:	CHEMISTRY
Program:	M.Sc. Chemistry
Batch:	MSC CHE SF 2022

Name:	SUMAYYA M S
Register No:	CCAWMCH028
Admission No:	28336
Entry Year:	2022
Exit Year:	2024

This report provides the evidence of OBE implementation in CHRIST COLLEGE (AUTONOMOUS), and the measurement of both direct and indirect assessment of students during the academic year 2022-2024

Program: M.Sc. Chemistry

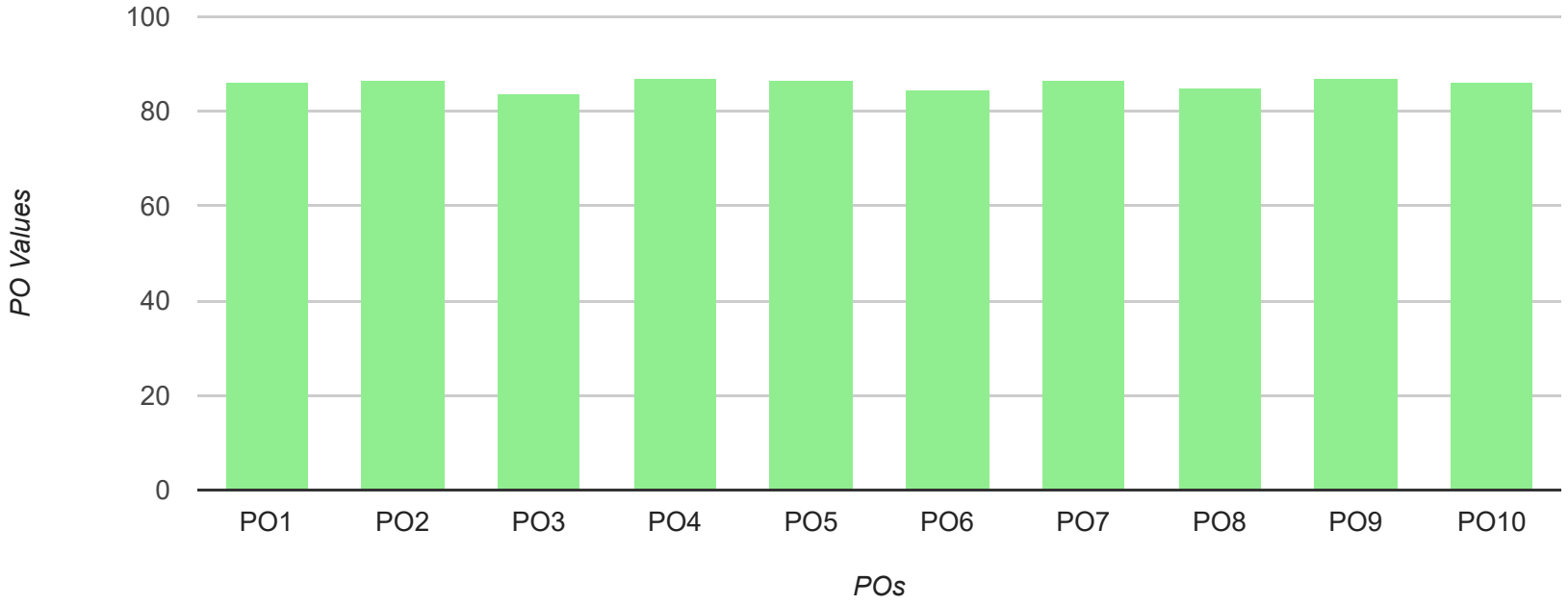
Program Outcome LIST

PO CODE	PO DESCRIPTION
PO1	Through knowledge in the chosen discipline
PO2	An aptitude for research
PO3	An independent and individual way of thinking and communicating ideas
PO4	The ability to access and utilize knowledge and information for personal and general good
PO5	The discretion to engage in academic work with academic integrity
PO6	To know how to function in multidisciplinary domains
PO7	A global perspective, facilitating appropriate interaction with people from various cultural, linguistic and religious backgrounds
PO8	Decision-making and reasoning ability to find solutions to ethical problems
PO9	A spirit of selfless service making him willing to serve the needy and the marginalized
PO10	A heightened awareness of environmental issues and necessity of solving them

Program Outcome Attainment

PROGRAM OUTCOME PERCENTAGE OF SUMAYYA M S										
PO CODE	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**

	86.29	86.47	83.69	86.83	86.66	84.54	86.63	85.08	86.86	86.05

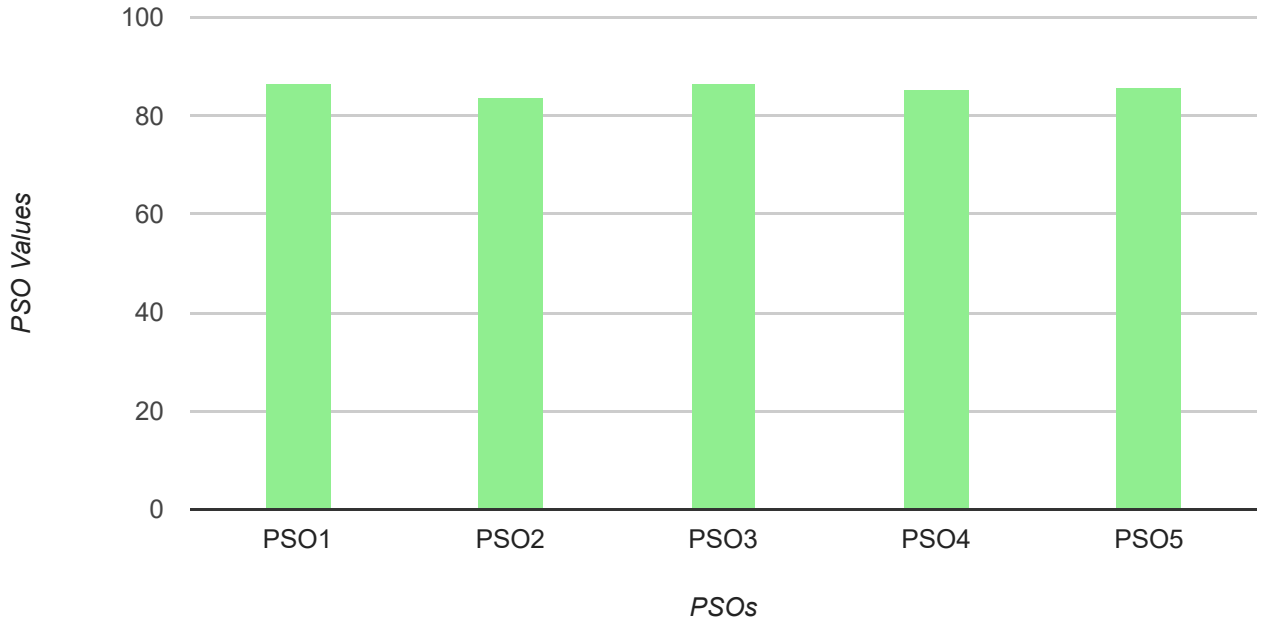


Program Specific Outcome LIST

PSO CODE	PSO DESCRIPTION
PSO1	To lay a strong foundation in the fundamentals and application of current chemical and scientific theories.
PSO2	Develops analytical skills and problem-solving skills requiring application of chemical principles.
PSO3	To enable the students to understand the importance of chemistry for addressing social, economic, and environmental problems.
PSO4	Learns about the potential uses of analytical chemistry, medicinal chemistry, and green chemistry
PSO5	To apply appropriate techniques for the qualitative and quantitative analysis of chemicals in laboratories and in industries for developing green chemistry approach towards planning and execution of research in frontier areas of chemical sciences.

Program Specific Outcome Attainment

PROGRAM SPECIFIC OUTCOME PERCENTAGE OF SUMAYYA M S					
PSO CODE	**PSO1**	**PSO2**	**PSO3**	**PSO4**	**PSO5**
	86.56	83.67	86.55	85.40	85.71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PSO Values
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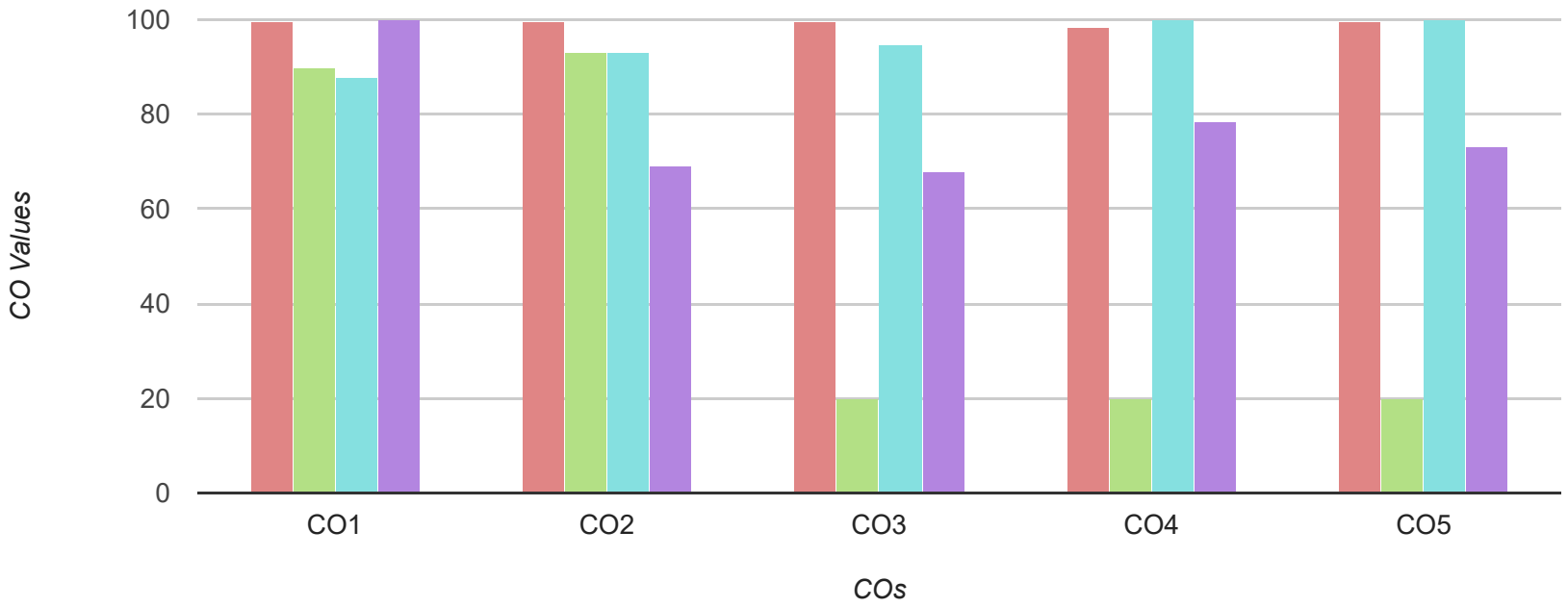
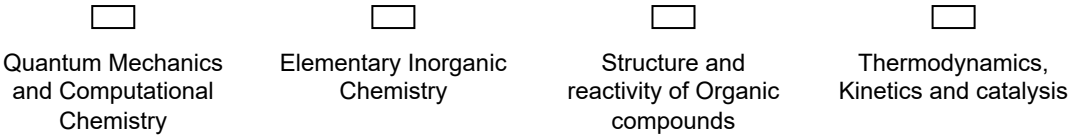
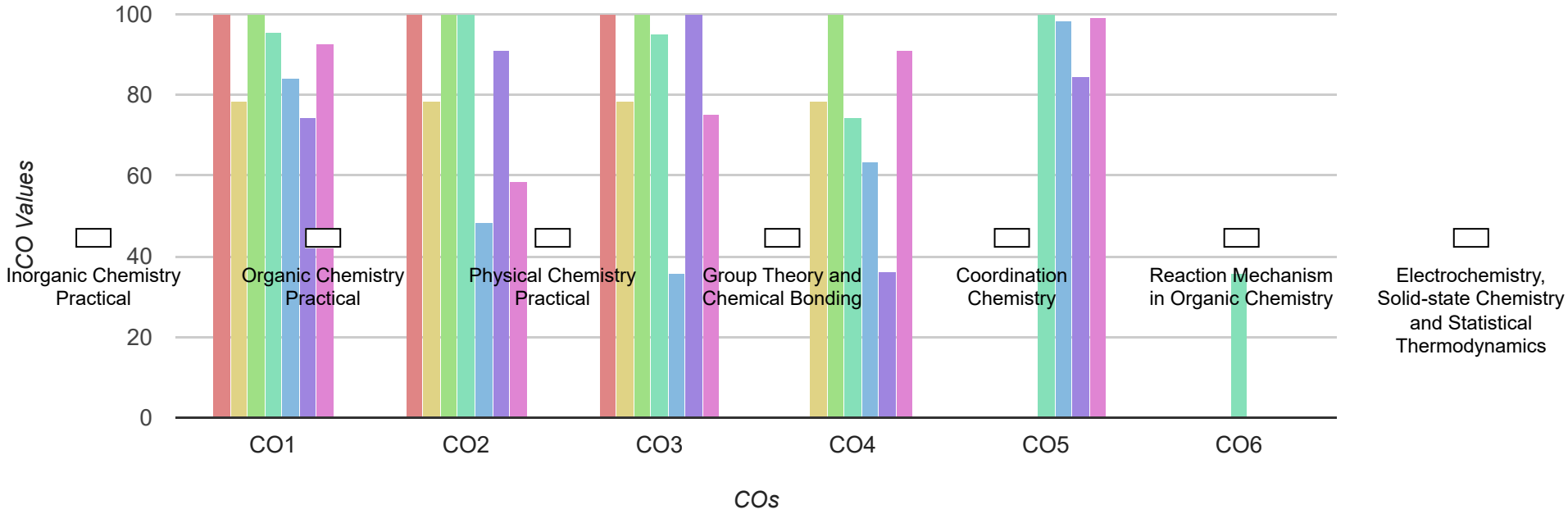
SEMESTER 1 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Quantum Mechanics and Computational Chemistry	**CC19PCHE1C01**	99.68	99.68	99.68	98.35	99.68	
Elementary Inorganic Chemistry	**CC19PCHE1C02**	90.00	92.89	20.00	20.00	20.00	
Structure and reactivity of Organic compounds	**CC19PCHE1C03**	88.00	93.14	94.67	100.00	100.00	
Thermodynamics, Kinetics and catalysis	**CC19PCHE1C04**	99.96	69.29	67.96	78.63	73.29	




Quantum Mechanics and Computational Chemistry
Elementary Inorganic Chemistry
Structure and reactivity of Organic compounds
Thermodynamics, Kinetics and catalysis

SEMESTER 2 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Inorganic Chemistry Practical	**CC19PCHE1L01 & CC19PCHE2L04**	100.00	100.00	100.00			
Organic Chemistry Practical	**CC19PCHE1L02 & CC19PCHE2L05**	78.29	78.29	78.29	78.29		
Physical Chemistry Practical	**CC19PCHE1L03 & CC19PCHE2L06**	100.00	100.00	100.00	100.00		
Group Theory and Chemical Bonding	**CC19PCHE2C05**	95.61	99.87	95.30	74.27	99.87	35.87
Coordination Chemistry	**CC19PCHE2C06**	84.14	48.48	35.68	63.41	98.26	
Reaction Mechanism in Organic Chemistry	**CC19PCHE2C07**	74.40	90.86	100.00	36.00	84.64	
Electrochemistry, Solid-state Chemistry and Statistical Thermodynamics	**CC19PCHE2C08**	92.50	58.37	75.17	91.17	99.17	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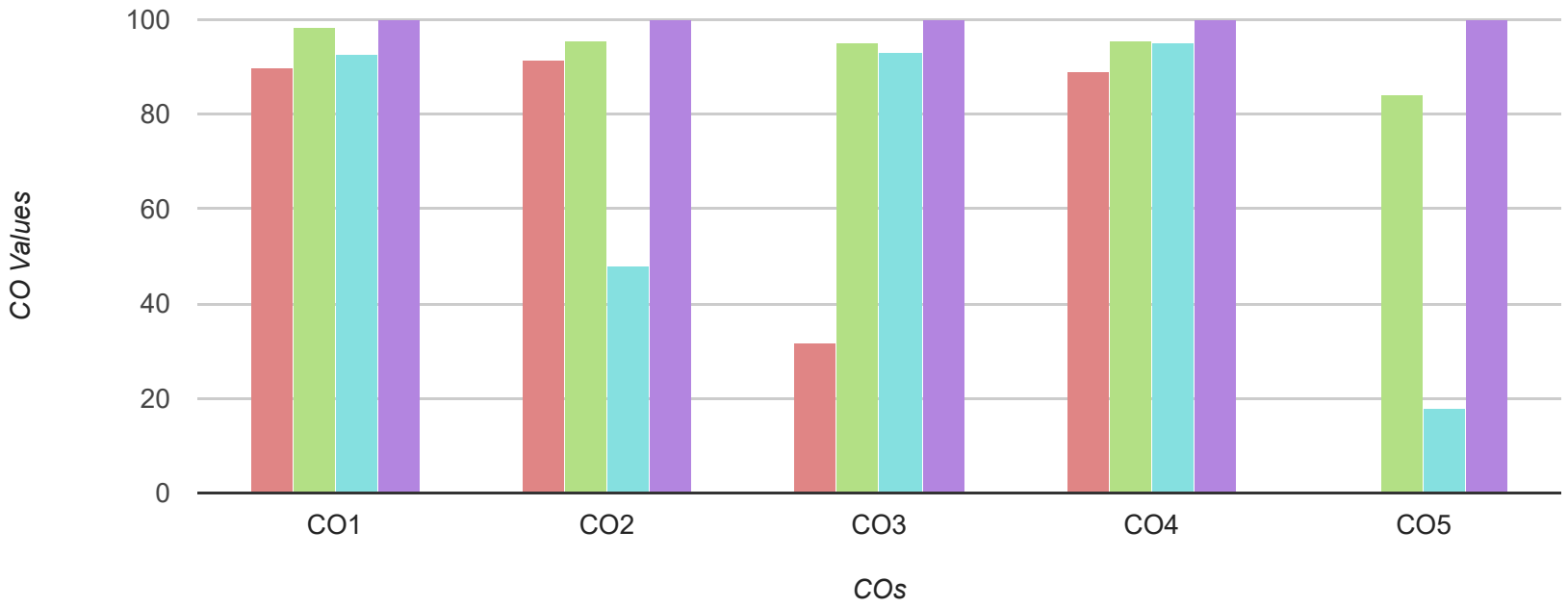
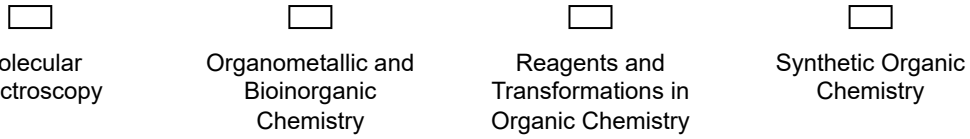
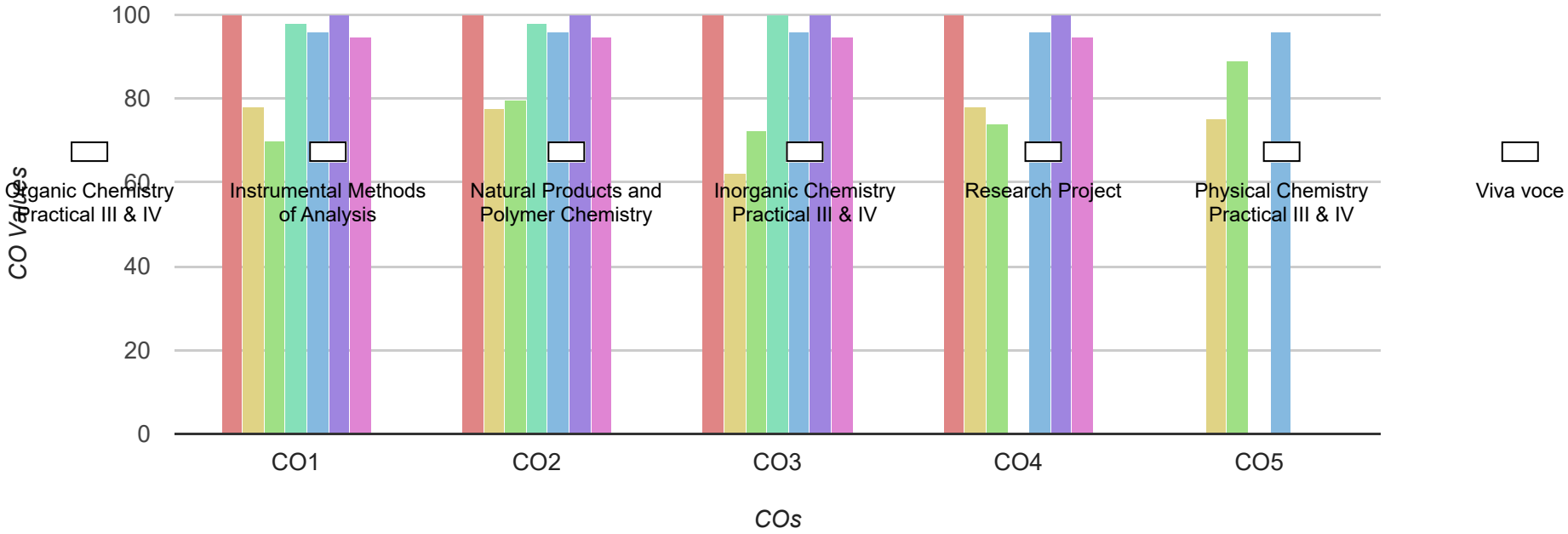
Inorganic Chemistry Practical
Organic Chemistry Practical
Physical Chemistry Practical
Group Theory and Chemical Bonding
Coordination Chemistry
Reaction Mechanism in Organic Chemistry
Electrochemistry, Solid-state Chemistry and Statistical Thermodynamics

SEMESTER 3 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Molecular Spectroscopy	**CC19PCHE3C09**	89.81	91.54	31.51	89.11		
Organometallic and Bioinorganic Chemistry	**CC19PCHE3C10**	98.20	95.45	95.27	95.55	84.17	
Reagents and Transformations in Organic Chemistry	**CC19PCHE3C11**	92.52	47.85	92.91	95.29	17.81	
Synthetic Organic Chemistry	**CC19PCHE3E01**	100.00	100.00	100.00	100.00	100.00	




Molecular Spectroscopy
Organometallic and Bioinorganic Chemistry
Reagents and Transformations in Organic Chemistry
Synthetic Organic Chemistry

SEMESTER 4 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Organic Chemistry Practical III & IV	**CC19PCHE3L08 & CC19PCHE4L11**	100.00	100.00	100.00	100.00		
Instrumental Methods of Analysis	**CC19PCHE4C12**	78.22	77.78	62.22	78.22	75.02	
Natural Products and Polymer Chemistry	**CC19PCHE4E06**	70.09	79.54	72.49	73.99	89.00	
Inorganic Chemistry Practical III & IV	**CC19PCHE3L07 & CC19PCHE4L10**	97.87	97.87	100.00			
Research Project	**CC19PCHE4P01**	95.90	95.90	95.90	95.90	95.90	
Physical Chemistry Practical III & IV	**CC19PCHE3L09 & CC19PCHE4L12**	100.00	100.00	100.00	100.00		
Viva voce	**CC19PCHE4V01**	94.72	94.72	94.72	94.72		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Organic Chemistry Practical III & IV
Instrumental Methods of Analysis
Natural Products and Polymer Chemistry
Inorganic Chemistry Practical III & IV
Research Project
Physical Chemistry Practical III & IV
Viva voce

CHRIST COLLEGE (AUTONOMOUS)
IRINJALAKUDA.Kerala-680125
Reaccredited by NAAC with 'A++' grade

OBE CARD

Department:	CHEMISTRY
Program:	M.Sc. Chemistry
Batch:	MSC CHE SF 2022

Name:	SREELAKSHMI K P
Register No:	CCAWMCH027
Admission No:	28335
Entry Year:	2022
Exit Year:	2024

This report provides the evidence of OBE implementation in CHRIST COLLEGE (AUTONOMOUS), and the measurement of both direct and indirect assessment of students during the academic year 2022-2024

Program: M.Sc. Chemistry

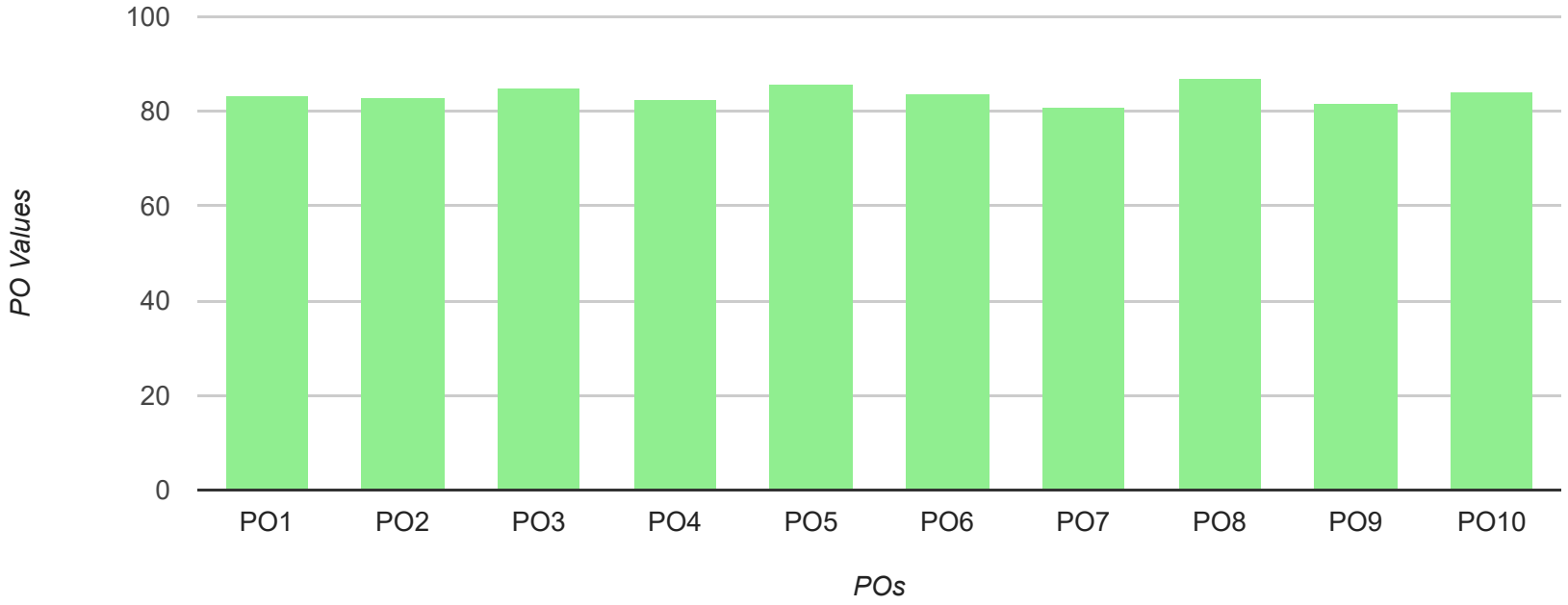
Program Outcome LIST

PO CODE	PO DESCRIPTION
PO1	Through knowledge in the chosen discipline
PO2	An aptitude for research
PO3	An independent and individual way of thinking and communicating ideas
PO4	The ability to access and utilize knowledge and information for personal and general good
PO5	The discretion to engage in academic work with academic integrity
PO6	To know how to function in multidisciplinary domains
PO7	A global perspective, facilitating appropriate interaction with people from various cultural, linguistic and religious backgrounds
PO8	Decision-making and reasoning ability to find solutions to ethical problems
PO9	A spirit of selfless service making him willing to serve the needy and the marginalized
PO10	A heightened awareness of environmental issues and necessity of solving them

Program Outcome Attainment

PROGRAM OUTCOME PERCENTAGE OF SREELAKSHMI K P										
PO CODE	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**

	83.31	82.82	85.12	82.52	85.75	83.61	80.85	86.95	81.87	84.01

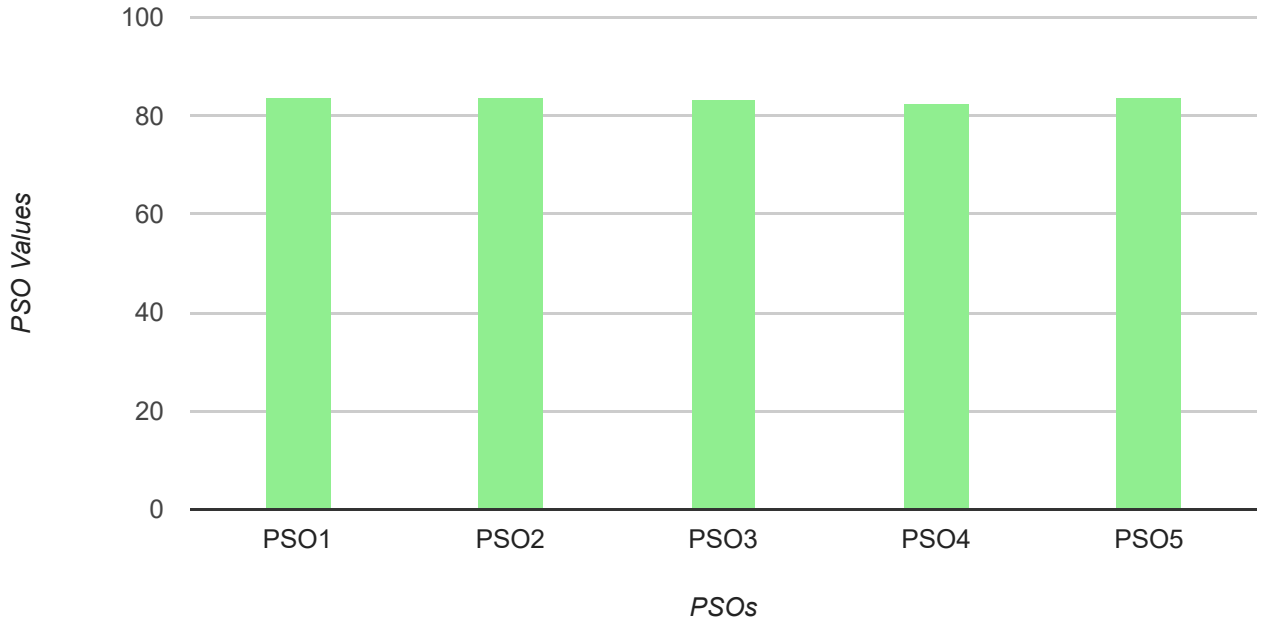


Program Specific Outcome LIST

PSO CODE	PSO DESCRIPTION
PSO1	To lay a strong foundation in the fundamentals and application of current chemical and scientific theories.
PSO2	Develops analytical skills and problem-solving skills requiring application of chemical principles.
PSO3	To enable the students to understand the importance of chemistry for addressing social, economic, and environmental problems.
PSO4	Learns about the potential uses of analytical chemistry, medicinal chemistry, and green chemistry
PSO5	To apply appropriate techniques for the qualitative and quantitative analysis of chemicals in laboratories and in industries for developing green chemistry approach towards planning and execution of research in frontier areas of chemical sciences.

Program Specific Outcome Attainment

PROGRAM SPECIFIC OUTCOME PERCENTAGE OF SREELAKSHMI K P					
PSO CODE	**PSO1**	**PSO2**	**PSO3**	**PSO4**	**PSO5**
	83.70	83.54	83.47	82.35	83.85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PSO Values
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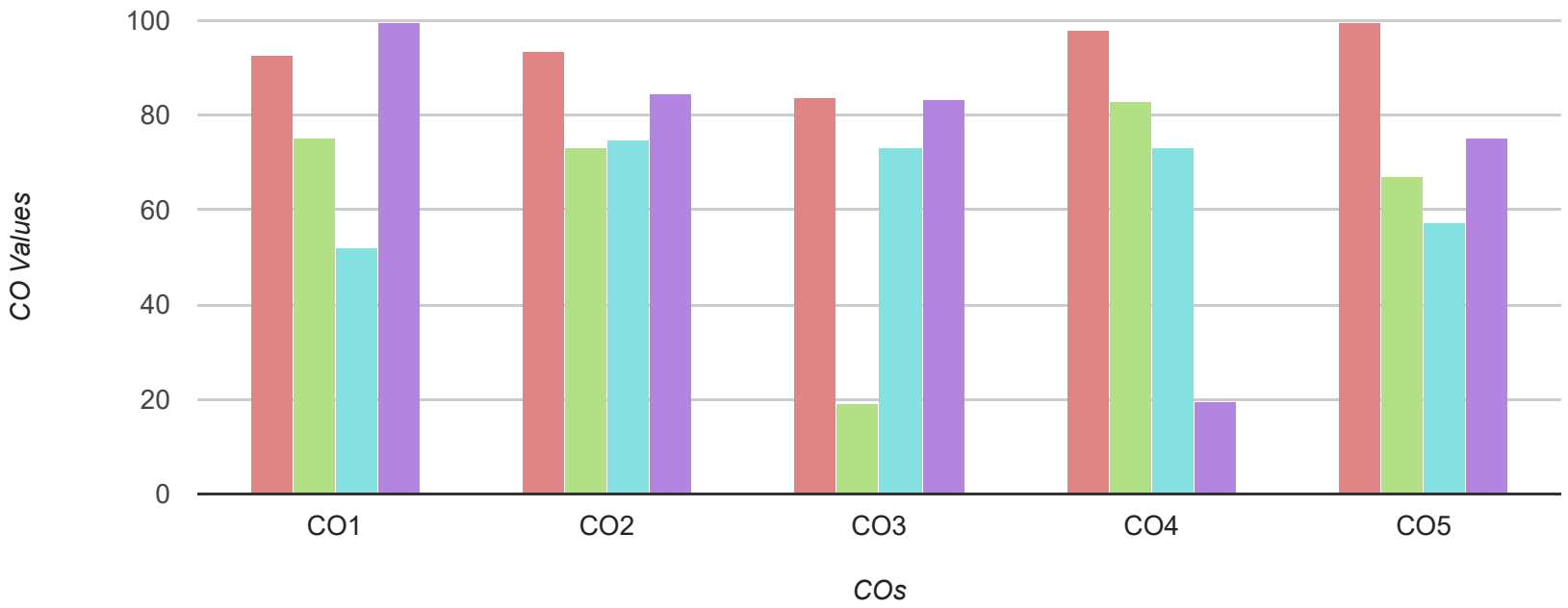
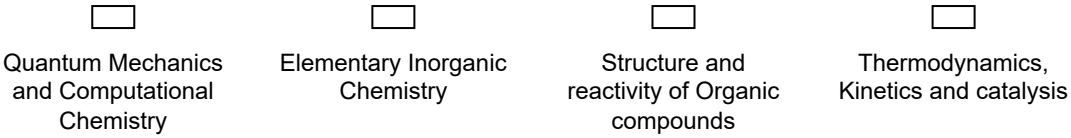
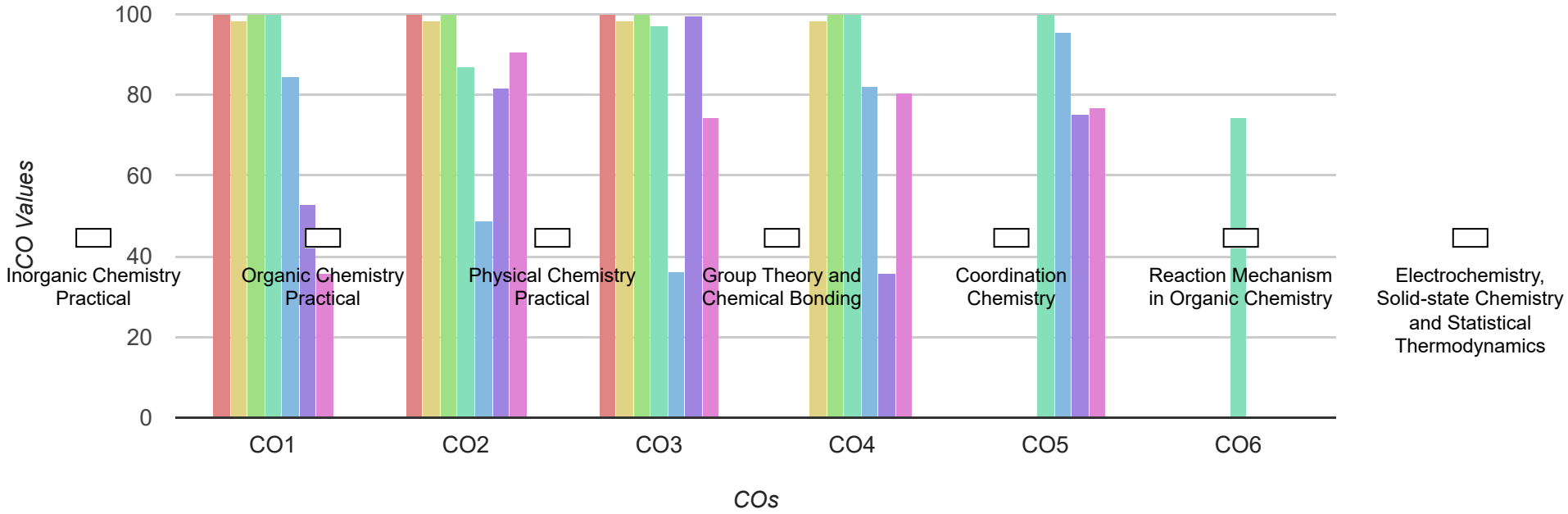
SEMESTER 1 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Quantum Mechanics and Computational Chemistry	**CC19PCHE1C01**	92.61	93.32	83.72	98.12	99.72	
Elementary Inorganic Chemistry	**CC19PCHE1C02**	75.04	73.30	19.04	83.04	67.04	
Structure and reactivity of Organic compounds	**CC19PCHE1C03**	52.00	74.86	73.33	73.33	57.33	
Thermodynamics, Kinetics and catalysis	**CC19PCHE1C04**	99.40	84.63	83.40	19.40	75.40	




Quantum Mechanics and Computational Chemistry
Elementary Inorganic Chemistry
Structure and reactivity of Organic compounds
Thermodynamics, Kinetics and catalysis

SEMESTER 2 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Inorganic Chemistry Practical	**CC19PCHE1L01 & CC19PCHE2L04**	100.00	100.00	100.00			
Organic Chemistry Practical	**CC19PCHE1L02 & CC19PCHE2L05**	98.29	98.29	98.29	98.29		
Physical Chemistry Practical	**CC19PCHE1L03 & CC19PCHE2L06**	100.00	100.00	100.00	100.00		
Group Theory and Chemical Bonding	**CC19PCHE2C05**	99.84	87.04	97.00	99.84	99.84	74.24
Coordination Chemistry	**CC19PCHE2C06**	84.64	48.80	36.00	82.08	95.73	
Reaction Mechanism in Organic Chemistry	**CC19PCHE2C07**	52.71	81.73	99.65	35.65	75.33	
Electrochemistry, Solid-state Chemistry and Statistical Thermodynamics	**CC19PCHE2C08**	35.84	90.70	74.24	80.64	76.98	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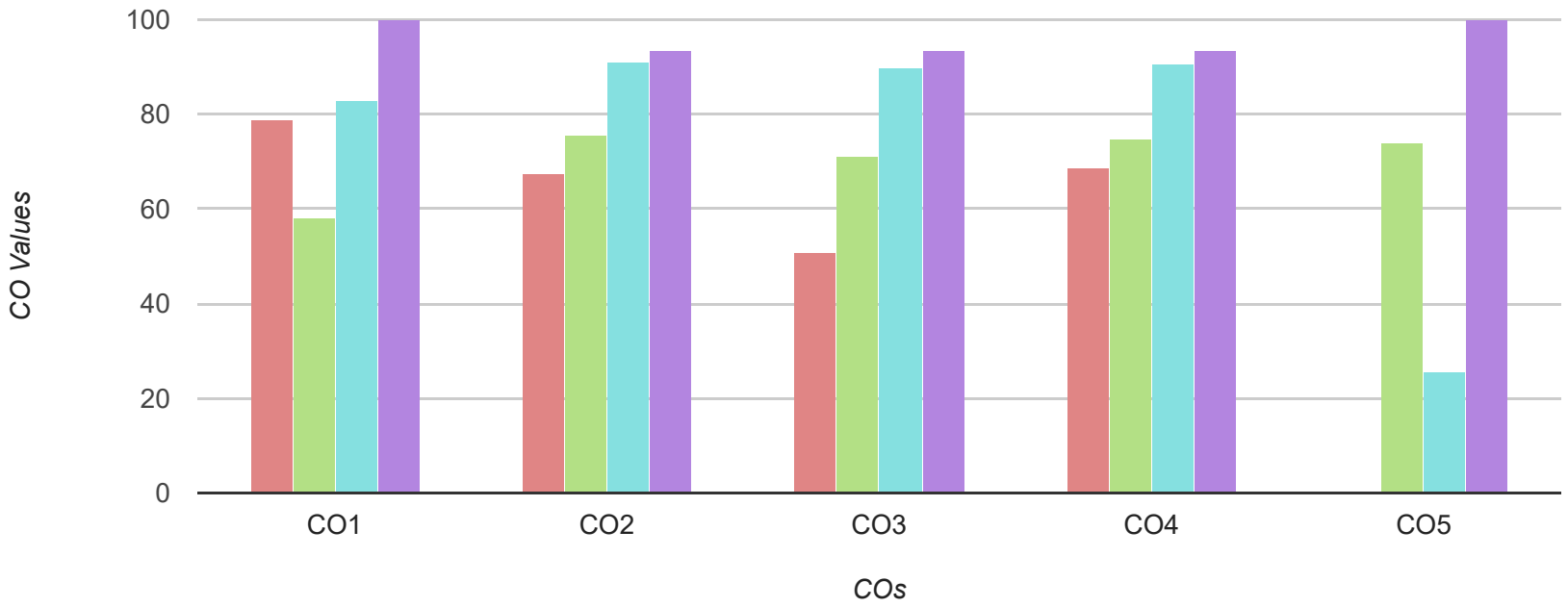
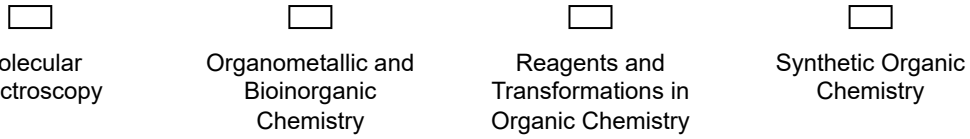
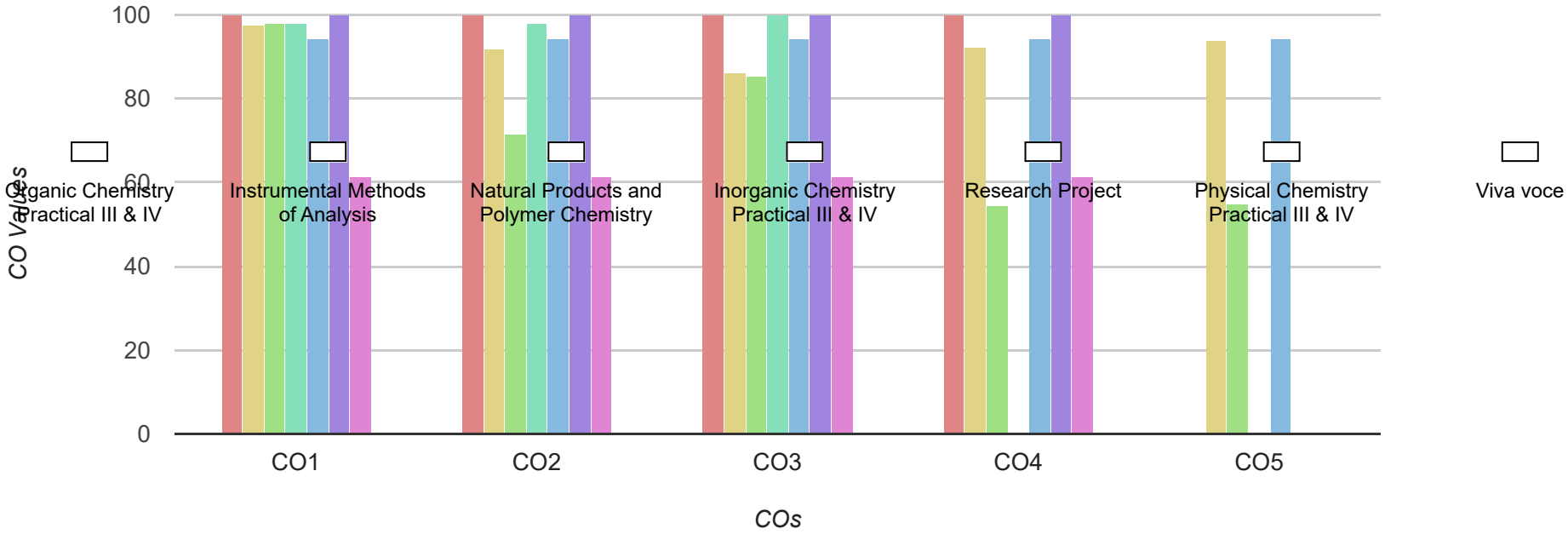
Inorganic Chemistry Practical
Organic Chemistry Practical
Physical Chemistry Practical
Group Theory and Chemical Bonding
Coordination Chemistry
Reaction Mechanism in Organic Chemistry
Electrochemistry, Solid-state Chemistry and Statistical Thermodynamics

SEMESTER 3 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Molecular Spectroscopy	**CC19PCHE3C09**	78.74	67.57	50.77	68.64		
Organometallic and Bioinorganic Chemistry	**CC19PCHE3C10**	58.00	75.74	70.96	74.86	74.08	
Reagents and Transformations in Organic Chemistry	**CC19PCHE3C11**	82.92	91.11	89.83	90.50	25.75	
Synthetic Organic Chemistry	**CC19PCHE3E01**	100.00	93.33	93.33	93.33	100.00	




Molecular Spectroscopy
Organometallic and Bioinorganic Chemistry
Reagents and Transformations in Organic Chemistry
Synthetic Organic Chemistry

SEMESTER 4 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Organic Chemistry Practical III & IV	**CC19PCHE3L08 & CC19PCHE4L11**	100.00	100.00	100.00	100.00		
Instrumental Methods of Analysis	**CC19PCHE4C12**	97.39	91.85	86.01	92.15	94.01	
Natural Products and Polymer Chemistry	**CC19PCHE4E06**	98.09	71.46	85.28	54.35	54.71	
Inorganic Chemistry Practical III & IV	**CC19PCHE3L07 & CC19PCHE4L10**	97.87	97.87	100.00			
Research Project	**CC19PCHE4P01**	94.11	94.11	94.11	94.11	94.11	
Physical Chemistry Practical III & IV	**CC19PCHE3L09 & CC19PCHE4L12**	100.00	100.00	100.00	100.00		
Viva voce	**CC19PCHE4V01**	61.33	61.33	61.33	61.33		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Organic Chemistry Practical III & IV
Instrumental Methods of Analysis
Natural Products and Polymer Chemistry
Inorganic Chemistry Practical III & IV
Research Project
Physical Chemistry Practical III & IV
Viva voce

CHRIST COLLEGE (AUTONOMOUS)
IRINJALAKUDA.Kerala-680125
Reaccredited by NAAC with 'A++' grade

OBE CARD

Department:	CHEMISTRY
Program:	M.Sc. Chemistry
Batch:	MSC CHE SF 2022

Name:	NAMITHA HYDROSE
Register No:	CCAWMCH024
Admission No:	28331
Entry Year:	2022
Exit Year:	2024

This report provides the evidence of OBE implementation in CHRIST COLLEGE (AUTONOMOUS), and the measurement of both direct and indirect assessment of students during the academic year 2022-2024

Program: M.Sc. Chemistry

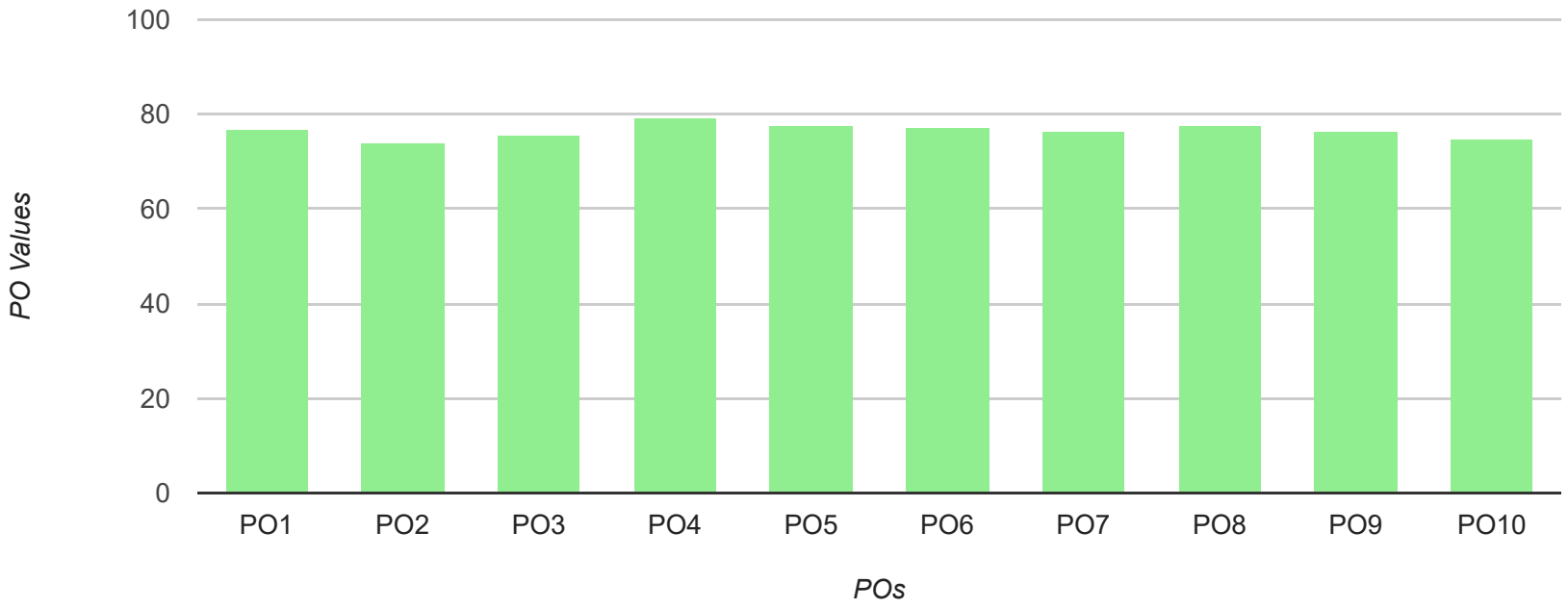
Program Outcome LIST

PO CODE	PO DESCRIPTION
PO1	Through knowledge in the chosen discipline
PO2	An aptitude for research
PO3	An independent and individual way of thinking and communicating ideas
PO4	The ability to access and utilize knowledge and information for personal and general good
PO5	The discretion to engage in academic work with academic integrity
PO6	To know how to function in multidisciplinary domains
PO7	A global perspective, facilitating appropriate interaction with people from various cultural, linguistic and religious backgrounds
PO8	Decision-making and reasoning ability to find solutions to ethical problems
PO9	A spirit of selfless service making him willing to serve the needy and the marginalized
PO10	A heightened awareness of environmental issues and necessity of solving them

Program Outcome Attainment

PROGRAM OUTCOME PERCENTAGE OF NAMITHA HYDROSE										
PO CODE	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**

	76.69	74.17	75.65	79.11	77.64	77.43	76.28	77.46	76.36	74.99

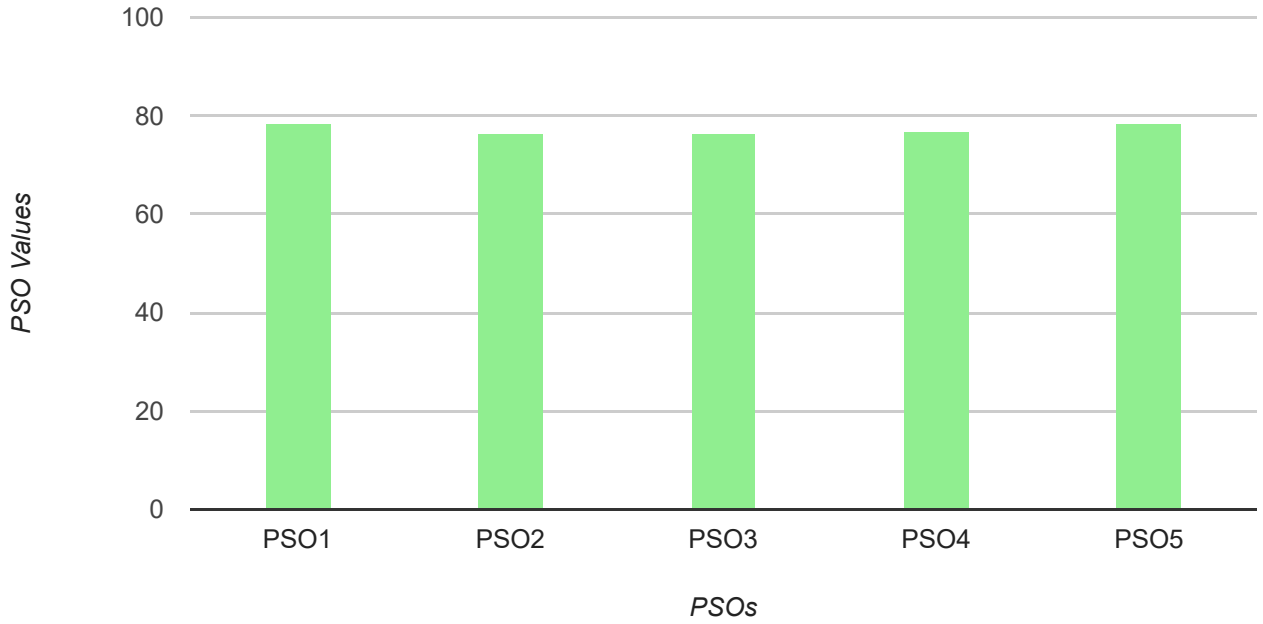


Program Specific Outcome LIST

PSO CODE	PSO DESCRIPTION
PSO1	To lay a strong foundation in the fundamentals and application of current chemical and scientific theories.
PSO2	Develops analytical skills and problem-solving skills requiring application of chemical principles.
PSO3	To enable the students to understand the importance of chemistry for addressing social, economic, and environmental problems.
PSO4	Learns about the potential uses of analytical chemistry, medicinal chemistry, and green chemistry
PSO5	To apply appropriate techniques for the qualitative and quantitative analysis of chemicals in laboratories and in industries for developing green chemistry approach towards planning and execution of research in frontier areas of chemical sciences.

Program Specific Outcome Attainment

PROGRAM SPECIFIC OUTCOME PERCENTAGE OF NAMITHA HYDROSE					
PSO CODE	**PSO1**	**PSO2**	**PSO3**	**PSO4**	**PSO5**
	78.58	76.45	76.38	76.79	78.50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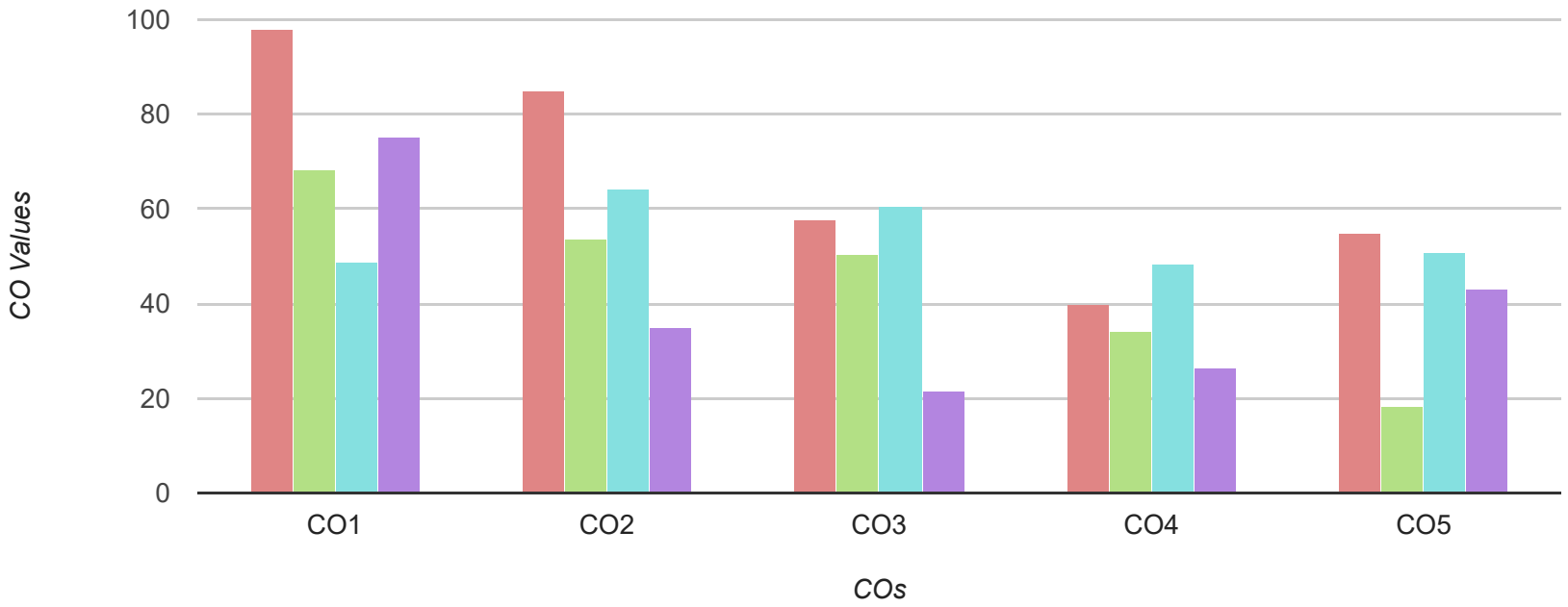
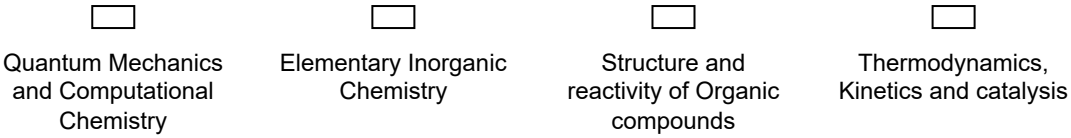
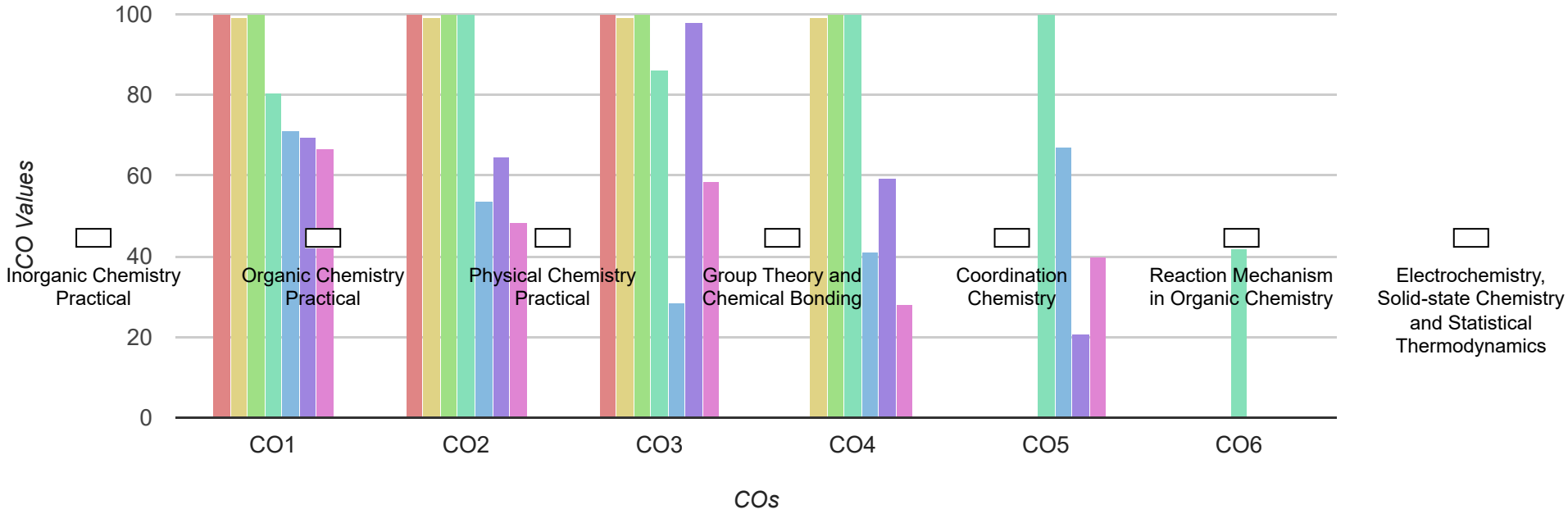
PSO Values
PSO1
PSO2
PSO3
PSO4
PSO5
PSOs

SEMESTER 1 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Quantum Mechanics and Computational Chemistry	**CC19PCHE1C01**	97.92	85.12	57.92	39.92	54.72	
Elementary Inorganic Chemistry	**CC19PCHE1C02**	68.28	53.71	50.28	34.28	18.28	
Structure and reactivity of Organic compounds	**CC19PCHE1C03**	48.92	64.25	60.52	48.25	50.92	
Thermodynamics, Kinetics and catalysis	**CC19PCHE1C04**	75.08	35.08	21.37	26.35	43.08	




Quantum Mechanics and Computational Chemistry
Elementary Inorganic Chemistry
Structure and reactivity of Organic compounds
Thermodynamics, Kinetics and catalysis

SEMESTER 2 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Inorganic Chemistry Practical	**CC19PCHE1L01 & CC19PCHE2L04**	100.00	100.00	100.00			
Organic Chemistry Practical	**CC19PCHE1L02 & CC19PCHE2L05**	99.15	99.15	99.15	99.15		
Physical Chemistry Practical	**CC19PCHE1L03 & CC19PCHE2L06**	100.00	100.00	100.00	100.00		
Group Theory and Chemical Bonding	**CC19PCHE2C05**	80.64	99.84	86.13	99.84	99.84	41.97
Coordination Chemistry	**CC19PCHE2C06**	71.11	53.71	28.37	41.17	67.22	
Reaction Mechanism in Organic Chemistry	**CC19PCHE2C07**	69.51	64.67	97.95	59.55	20.62	
Electrochemistry, Solid-state Chemistry and Statistical Thermodynamics	**CC19PCHE2C08**	66.72	48.27	58.72	28.05	39.88	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CO Values
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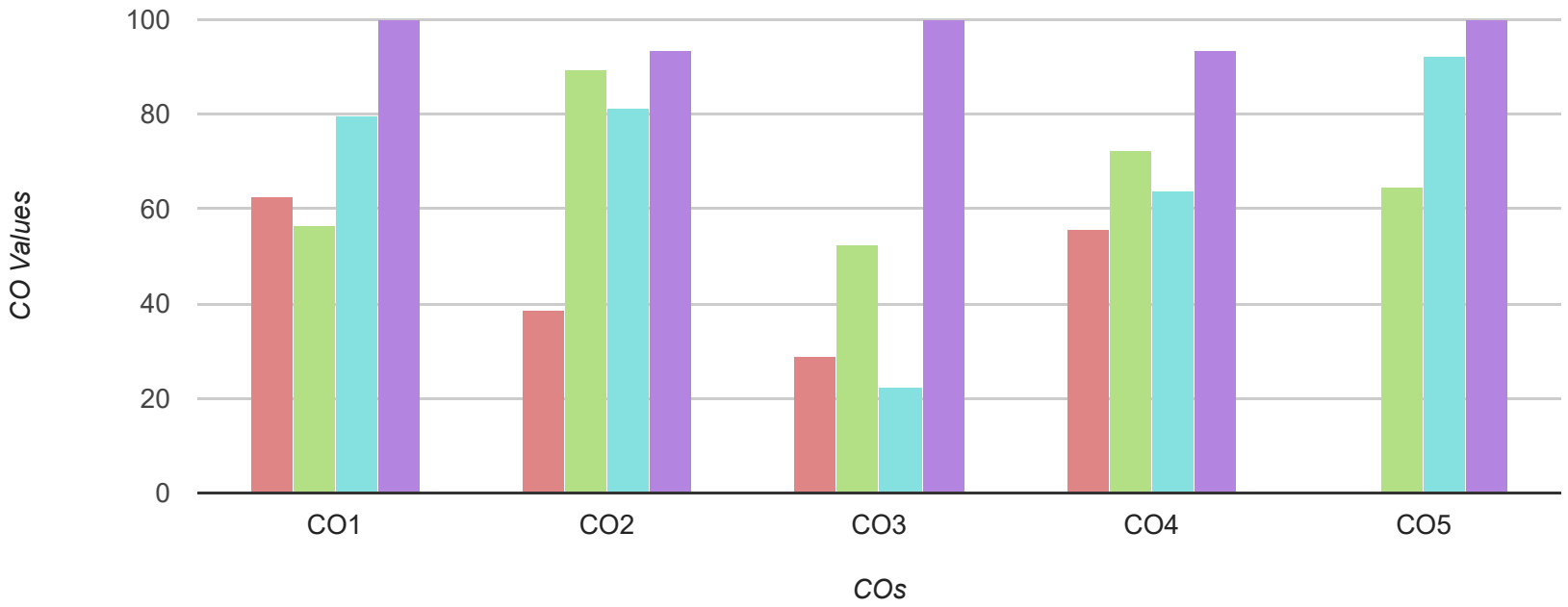
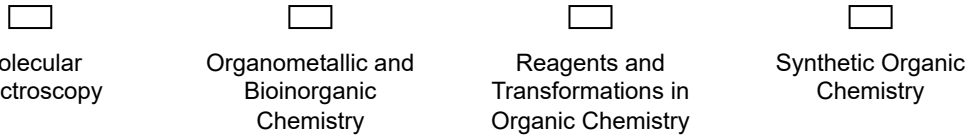
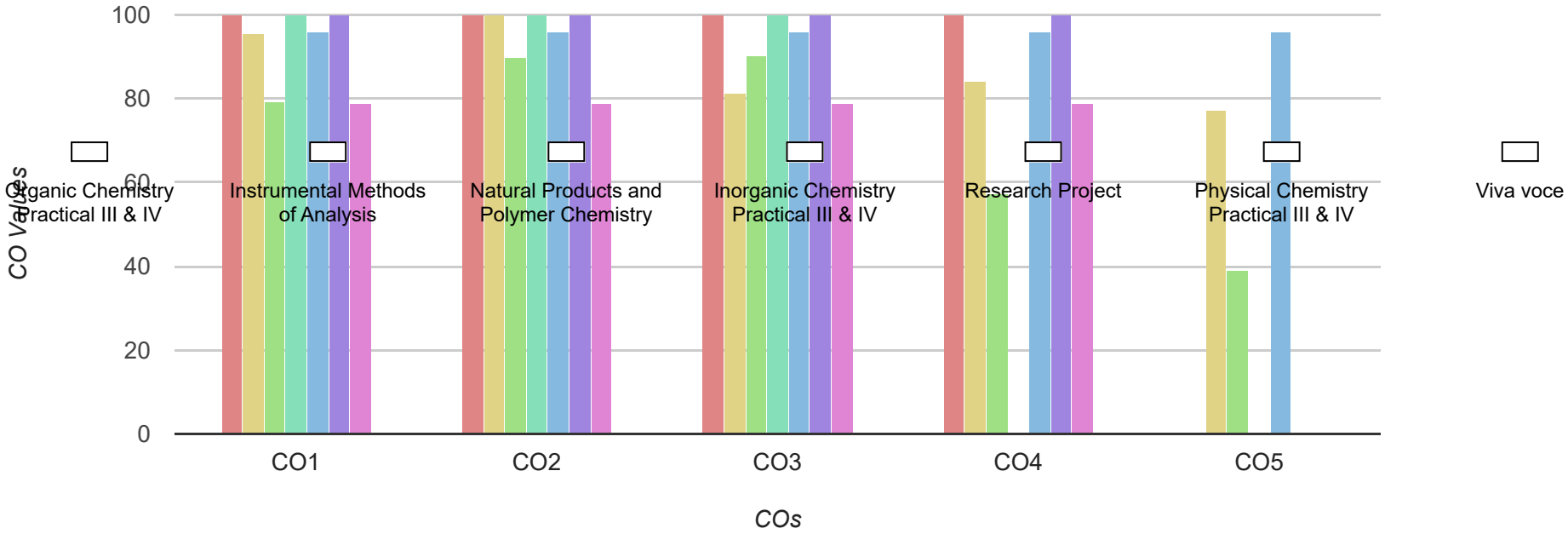
COs
Inorganic Chemistry Practical
Organic Chemistry Practical
Physical Chemistry Practical
Group Theory and Chemical Bonding
Coordination Chemistry
Reaction Mechanism in Organic Chemistry
Electrochemistry, Solid-state Chemistry and Statistical Thermodynamics

SEMESTER 3 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Molecular Spectroscopy	**CC19PCHE3C09**	62.71	38.61	29.01	55.73		
Organometallic and Bioinorganic Chemistry	**CC19PCHE3C10**	56.65	89.37	52.32	72.50	64.75	
Reagents and Transformations in Organic Chemistry	**CC19PCHE3C11**	79.78	81.11	22.55	64.01	92.24	
Synthetic Organic Chemistry	**CC19PCHE3E01**	100.00	93.33	100.00	93.33	100.00	




Molecular Spectroscopy
Organometallic and Bioinorganic Chemistry
Reagents and Transformations in Organic Chemistry
Synthetic Organic Chemistry

SEMESTER 4 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Organic Chemistry Practical III & IV	**CC19PCHE3L08 & CC19PCHE4L11**	100.00	100.00	100.00	100.00		
Instrumental Methods of Analysis	**CC19PCHE4C12**	95.60	100.00	81.17	84.00	77.33	
Natural Products and Polymer Chemistry	**CC19PCHE4E06**	79.14	89.72	90.17	57.25	39.19	
Inorganic Chemistry Practical III & IV	**CC19PCHE3L07 & CC19PCHE4L10**	100.00	100.00	100.00			
Research Project	**CC19PCHE4P01**	95.90	95.90	95.90	95.90	95.90	
Physical Chemistry Practical III & IV	**CC19PCHE3L09 & CC19PCHE4L12**	100.00	100.00	100.00	100.00		
Viva voce	**CC19PCHE4V01**	78.72	78.72	78.72	78.72		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CO Values
CO1
CO2
CO3
CO4
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COs
Organic Chemistry Practical III & IV
Instrumental Methods of Analysis
Natural Products and Polymer Chemistry
Inorganic Chemistry Practical III & IV
Research Project
Physical Chemistry Practical III & IV
Viva voce

CHRIST COLLEGE (AUTONOMOUS)
IRINJALAKUDA.Kerala-680125
Reaccredited by NAAC with 'A++' grade

OBE CARD

Department:	CHEMISTRY
Program:	M.Sc. Chemistry
Batch:	MSC CHE SF 2022

Name:	SAHLA.S.S
Register No:	CCAWMCH026
Admission No:	28334
Entry Year:	2022
Exit Year:	2024

This report provides the evidence of OBE implementation in CHRIST COLLEGE (AUTONOMOUS), and the measurement of both direct and indirect assessment of students during the academic year 2022-2024

Program: M.Sc. Chemistry

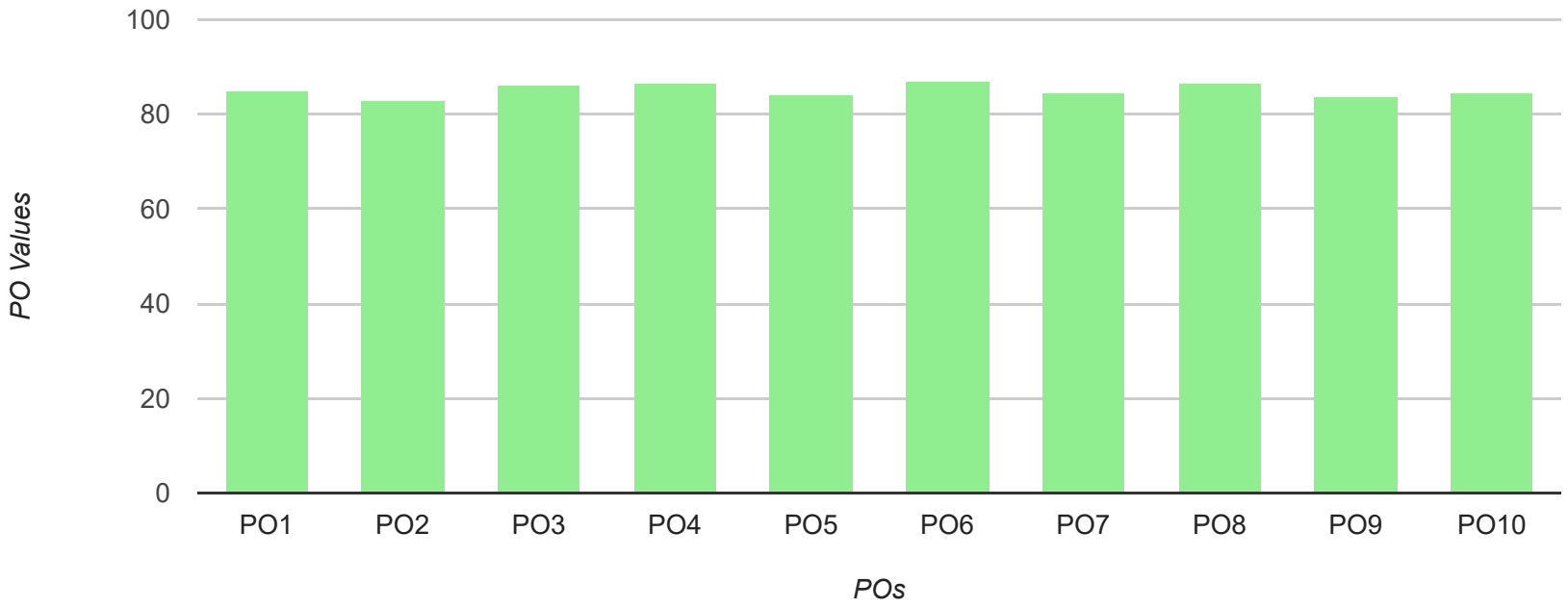
Program Outcome LIST

PO CODE	PO DESCRIPTION
PO1	Through knowledge in the chosen discipline
PO2	An aptitude for research
PO3	An independent and individual way of thinking and communicating ideas
PO4	The ability to access and utilize knowledge and information for personal and general good
PO5	The discretion to engage in academic work with academic integrity
PO6	To know how to function in multidisciplinary domains
PO7	A global perspective, facilitating appropriate interaction with people from various cultural, linguistic and religious backgrounds
PO8	Decision-making and reasoning ability to find solutions to ethical problems
PO9	A spirit of selfless service making him willing to serve the needy and the marginalized
PO10	A heightened awareness of environmental issues and necessity of solving them

Program Outcome Attainment

PROGRAM OUTCOME PERCENTAGE OF SAHLA.S.S										
PO CODE	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**

	85.15	83.12	86.35	86.49	84.08	87.09	84.49	86.56	83.86	84.35

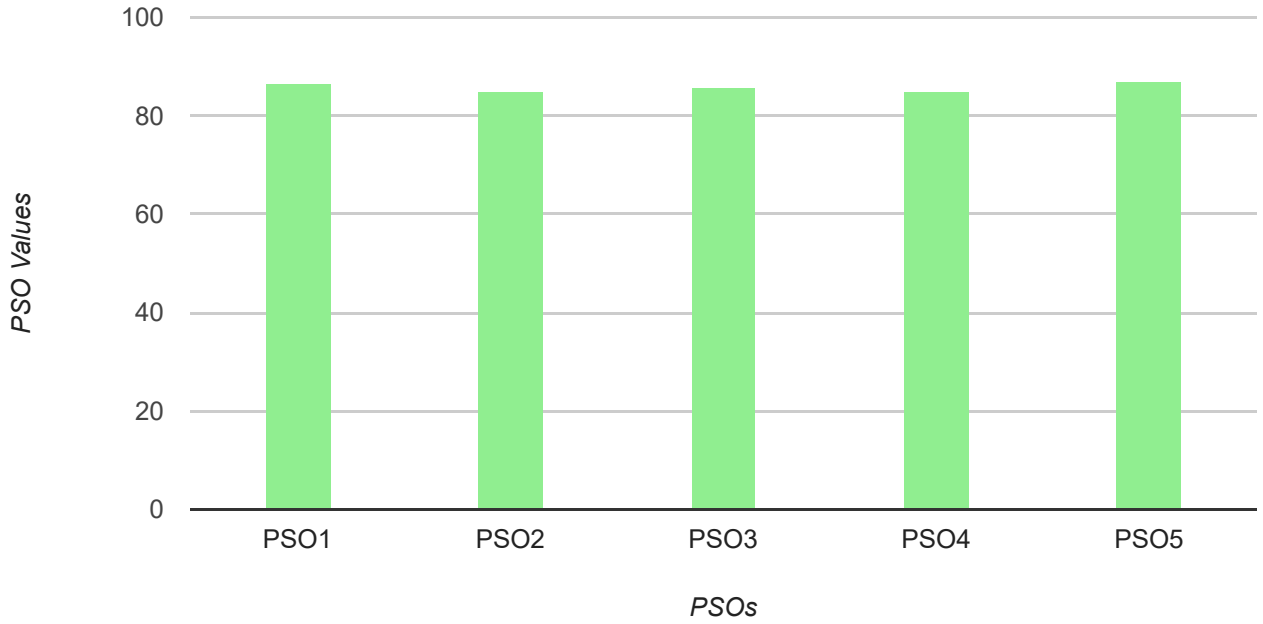


Program Specific Outcome LIST

PSO CODE	PSO DESCRIPTION
PSO1	To lay a strong foundation in the fundamentals and application of current chemical and scientific theories.
PSO2	Develops analytical skills and problem-solving skills requiring application of chemical principles.
PSO3	To enable the students to understand the importance of chemistry for addressing social, economic, and environmental problems.
PSO4	Learns about the potential uses of analytical chemistry, medicinal chemistry, and green chemistry
PSO5	To apply appropriate techniques for the qualitative and quantitative analysis of chemicals in laboratories and in industries for developing green chemistry approach towards planning and execution of research in frontier areas of chemical sciences.

Program Specific Outcome Attainment

PROGRAM SPECIFIC OUTCOME PERCENTAGE OF SAHLA.S.S					
PSO CODE	**PSO1**	**PSO2**	**PSO3**	**PSO4**	**PSO5**
	86.68	84.90	85.67	85.03	86.79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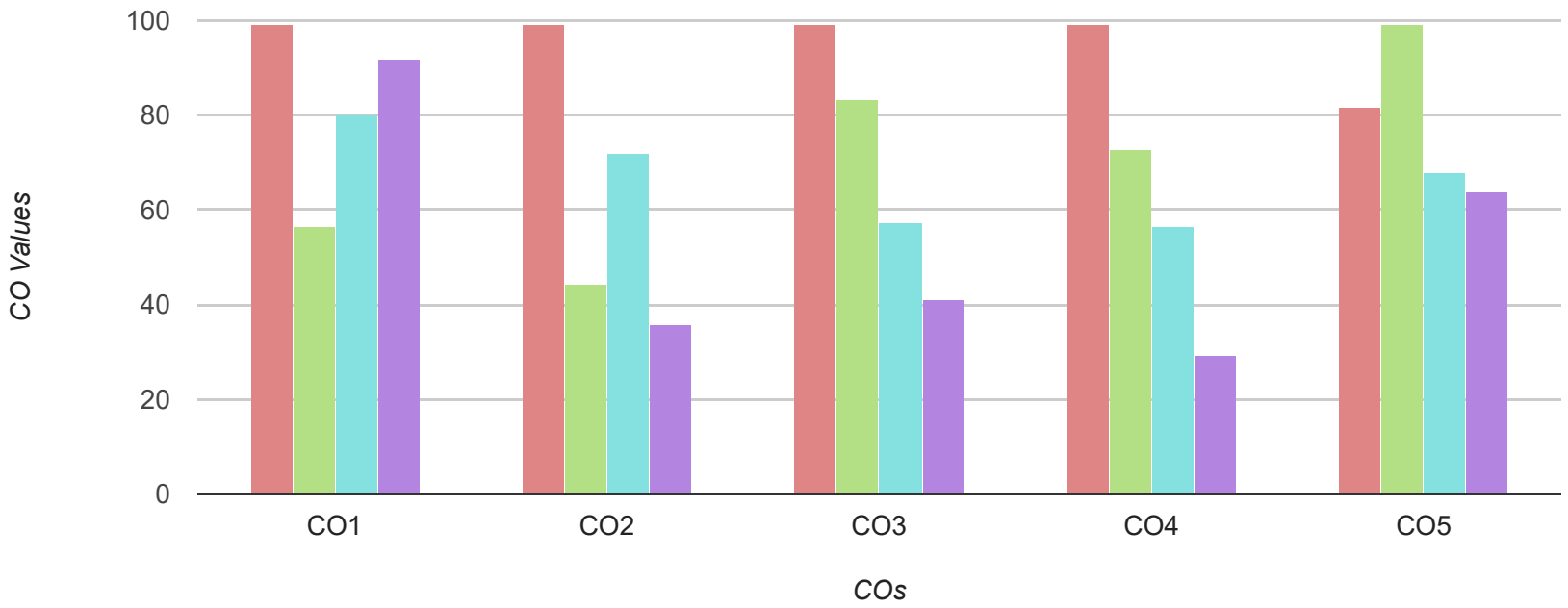
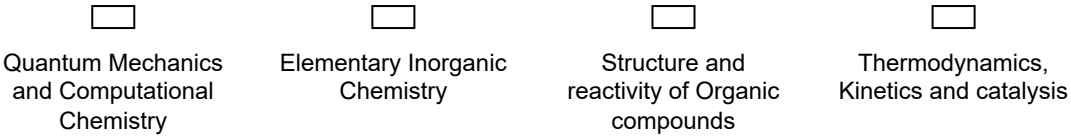
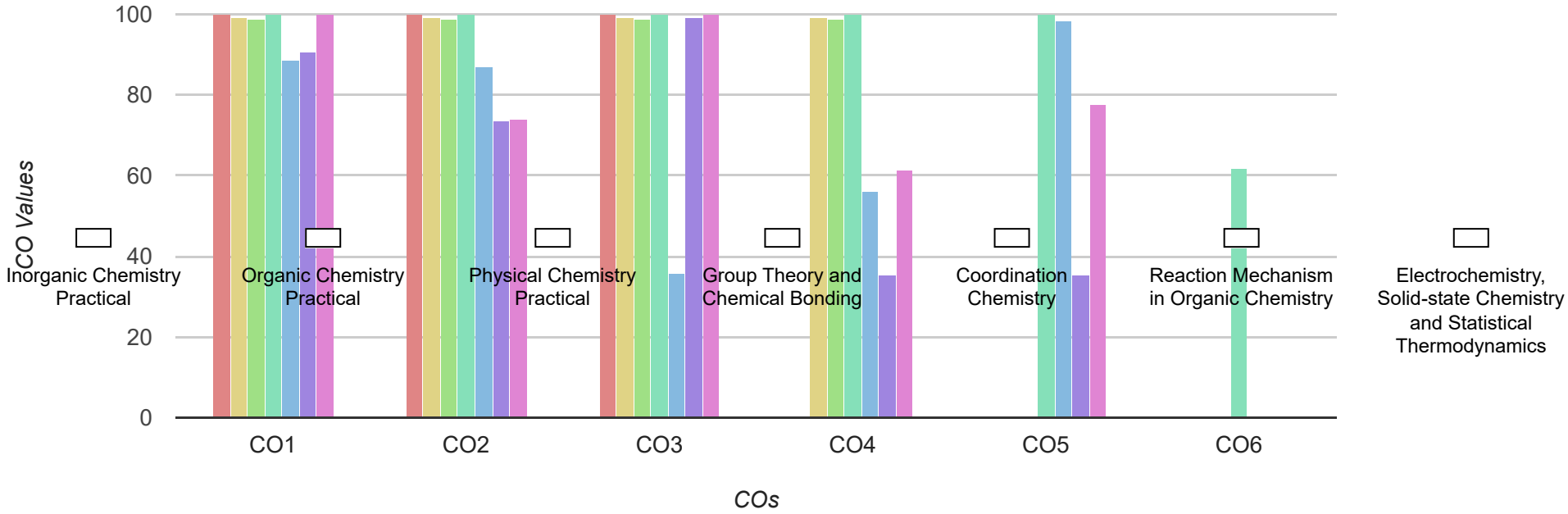
PSO Values
PSO1
PSO2
PSO3
PSO4
PSO5
PSOs

SEMESTER 1 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Quantum Mechanics and Computational Chemistry	**CC19PCHE1C01**	99.28	99.28	99.28	99.28	81.68	
Elementary Inorganic Chemistry	**CC19PCHE1C02**	56.69	44.50	83.36	72.69	99.36	
Structure and reactivity of Organic compounds	**CC19PCHE1C03**	80.00	72.00	57.33	56.57	68.00	
Thermodynamics, Kinetics and catalysis	**CC19PCHE1C04**	91.72	35.72	41.05	29.32	63.72	




Quantum Mechanics and Computational Chemistry
Elementary Inorganic Chemistry
Structure and reactivity of Organic compounds
Thermodynamics, Kinetics and catalysis

SEMESTER 2 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Inorganic Chemistry Practical	**CC19PCHE1L01 & CC19PCHE2L04**	100.00	100.00	100.00			
Organic Chemistry Practical	**CC19PCHE1L02 & CC19PCHE2L05**	99.15	99.15	99.15	99.15		
Physical Chemistry Practical	**CC19PCHE1L03 & CC19PCHE2L06**	98.93	98.93	98.93	98.93		
Group Theory and Chemical Bonding	**CC19PCHE2C05**	100.00	100.00	100.00	100.00	100.00	61.60
Coordination Chemistry	**CC19PCHE2C06**	88.71	87.01	35.81	56.29	98.39	
Reaction Mechanism in Organic Chemistry	**CC19PCHE2C07**	90.70	73.63	99.23	35.23	35.23	
Electrochemistry, Solid-state Chemistry and Statistical Thermodynamics	**CC19PCHE2C08**	100.00	74.13	100.00	61.33	77.69	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CO Values
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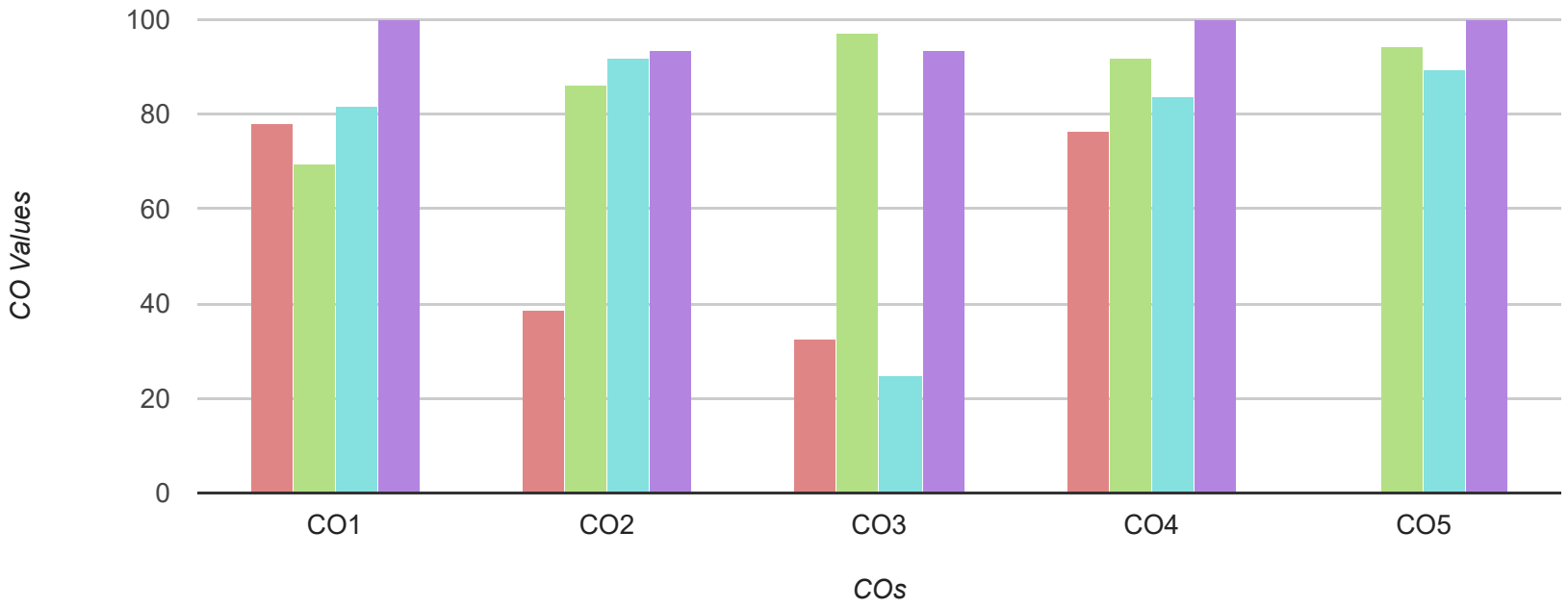
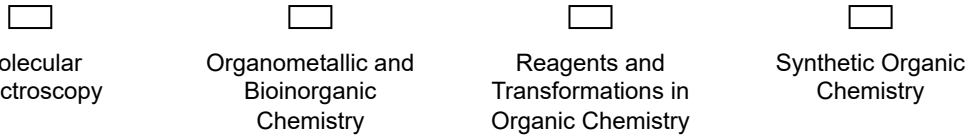
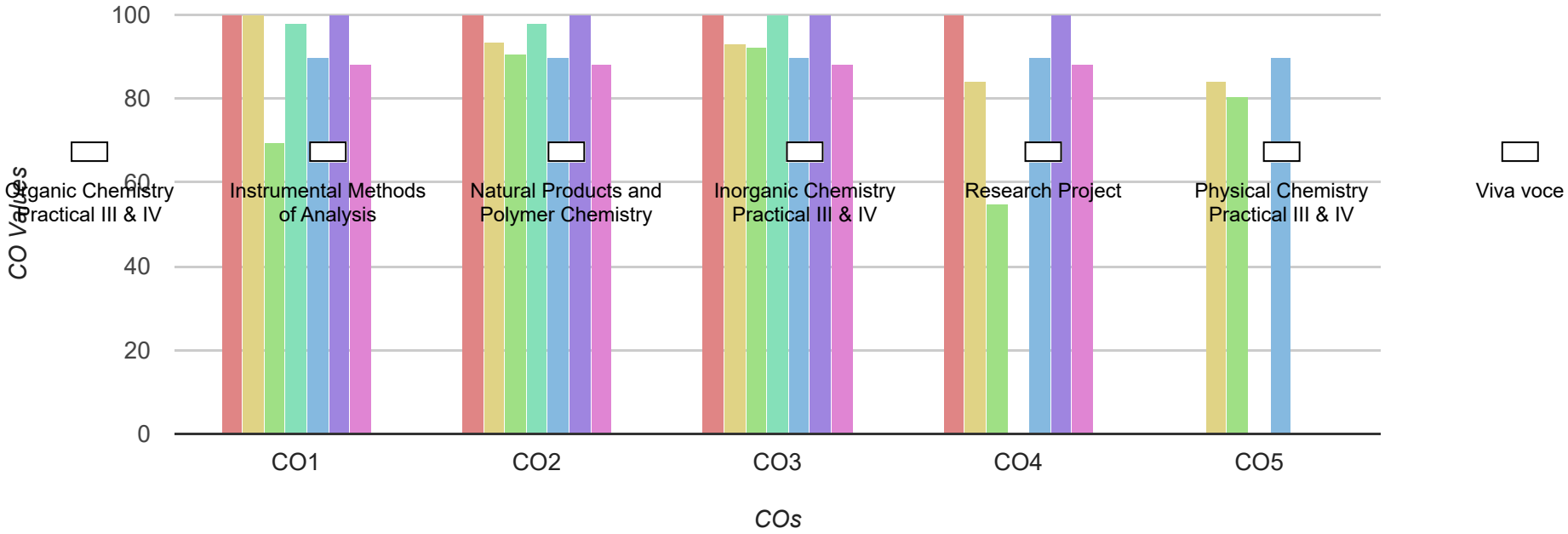
COs
Inorganic Chemistry Practical
Organic Chemistry Practical
Physical Chemistry Practical
Group Theory and Chemical Bonding
Coordination Chemistry
Reaction Mechanism in Organic Chemistry
Electrochemistry, Solid-state Chemistry and Statistical Thermodynamics

SEMESTER 3 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Molecular Spectroscopy	**CC19PCHE3C09**	78.24	38.77	32.64	76.37		
Organometallic and Bioinorganic Chemistry	**CC19PCHE3C10**	69.33	86.09	97.11	92.05	94.31	
Reagents and Transformations in Organic Chemistry	**CC19PCHE3C11**	81.72	91.85	24.78	83.71	89.24	
Synthetic Organic Chemistry	**CC19PCHE3E01**	100.00	93.33	93.33	100.00	100.00	




Molecular Spectroscopy
Organometallic and Bioinorganic Chemistry
Reagents and Transformations in Organic Chemistry
Synthetic Organic Chemistry

SEMESTER 4 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Organic Chemistry Practical III & IV	**CC19PCHE3L08 & CC19PCHE4L11**	100.00	100.00	100.00	100.00		
Instrumental Methods of Analysis	**CC19PCHE4C12**	100.00	93.33	92.96	84.00	84.00	
Natural Products and Polymer Chemistry	**CC19PCHE4E06**	69.58	90.85	92.20	54.73	80.34	
Inorganic Chemistry Practical III & IV	**CC19PCHE3L07 & CC19PCHE4L10**	97.87	97.87	100.00			
Research Project	**CC19PCHE4P01**	90.01	90.01	90.01	90.01	90.01	
Physical Chemistry Practical III & IV	**CC19PCHE3L09 & CC19PCHE4L12**	100.00	100.00	100.00	100.00		
Viva voce	**CC19PCHE4V01**	88.05	88.05	88.05	88.05		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CO Values
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COs
Organic Chemistry Practical III & IV
Instrumental Methods of Analysis
Natural Products and Polymer Chemistry
Inorganic Chemistry Practical III & IV
Research Project
Physical Chemistry Practical III & IV
Viva voce

CHRIST COLLEGE (AUTONOMOUS)
IRINJALAKUDA.Kerala-680125
Reaccredited by NAAC with 'A++' grade

OBE CARD

Department:	CHEMISTRY
Program:	M.Sc. Chemistry
Batch:	MSC CHE SF 2022

Name:	NIVEDYA N
Register No:	CCAWMCH025
Admission No:	28332
Entry Year:	2022
Exit Year:	2024

This report provides the evidence of OBE implementation in CHRIST COLLEGE (AUTONOMOUS), and the measurement of both direct and indirect assessment of students during the academic year 2022-2024

Program: M.Sc. Chemistry

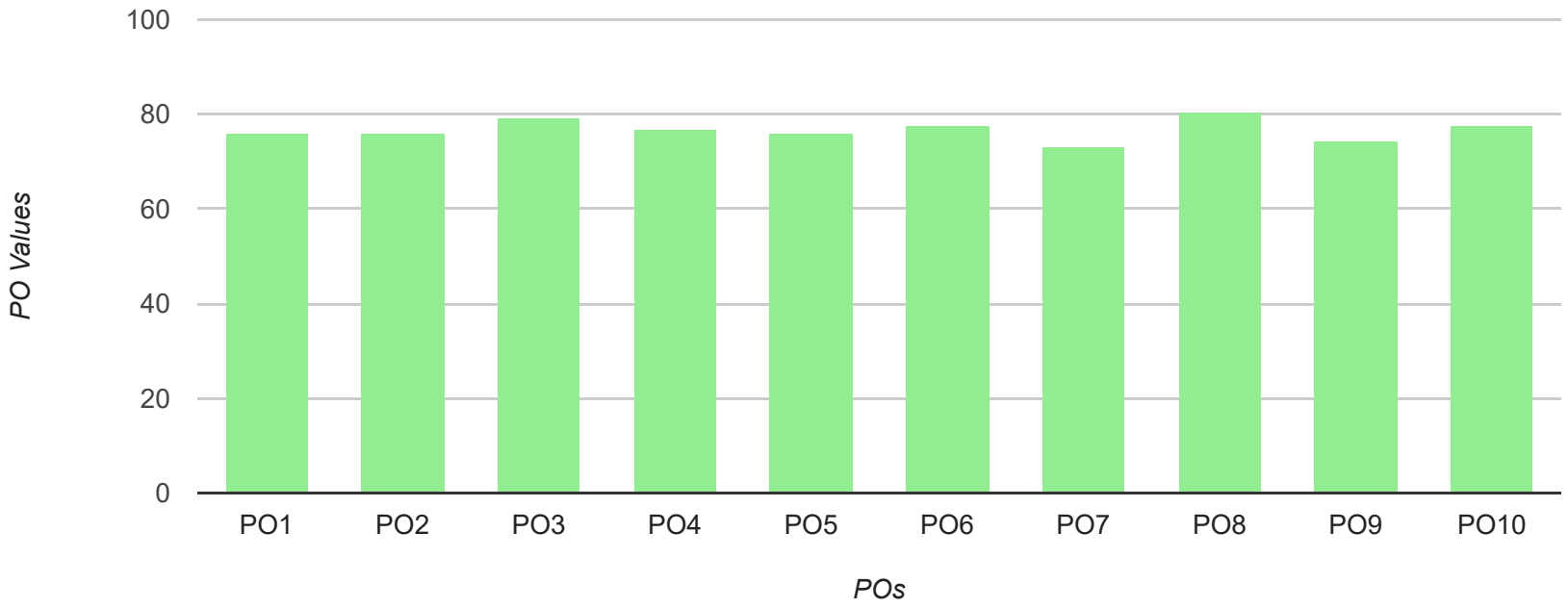
Program Outcome LIST

PO CODE	PO DESCRIPTION
PO1	Through knowledge in the chosen discipline
PO2	An aptitude for research
PO3	An independent and individual way of thinking and communicating ideas
PO4	The ability to access and utilize knowledge and information for personal and general good
PO5	The discretion to engage in academic work with academic integrity
PO6	To know how to function in multidisciplinary domains
PO7	A global perspective, facilitating appropriate interaction with people from various cultural, linguistic and religious backgrounds
PO8	Decision-making and reasoning ability to find solutions to ethical problems
PO9	A spirit of selfless service making him willing to serve the needy and the marginalized
PO10	A heightened awareness of environmental issues and necessity of solving them

Program Outcome Attainment

PROGRAM OUTCOME PERCENTAGE OF NIVEDYA N										
PO CODE	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**

	76.21	76.06	79.32	76.69	76.14	77.44	73.17	80.31	74.33	77.75

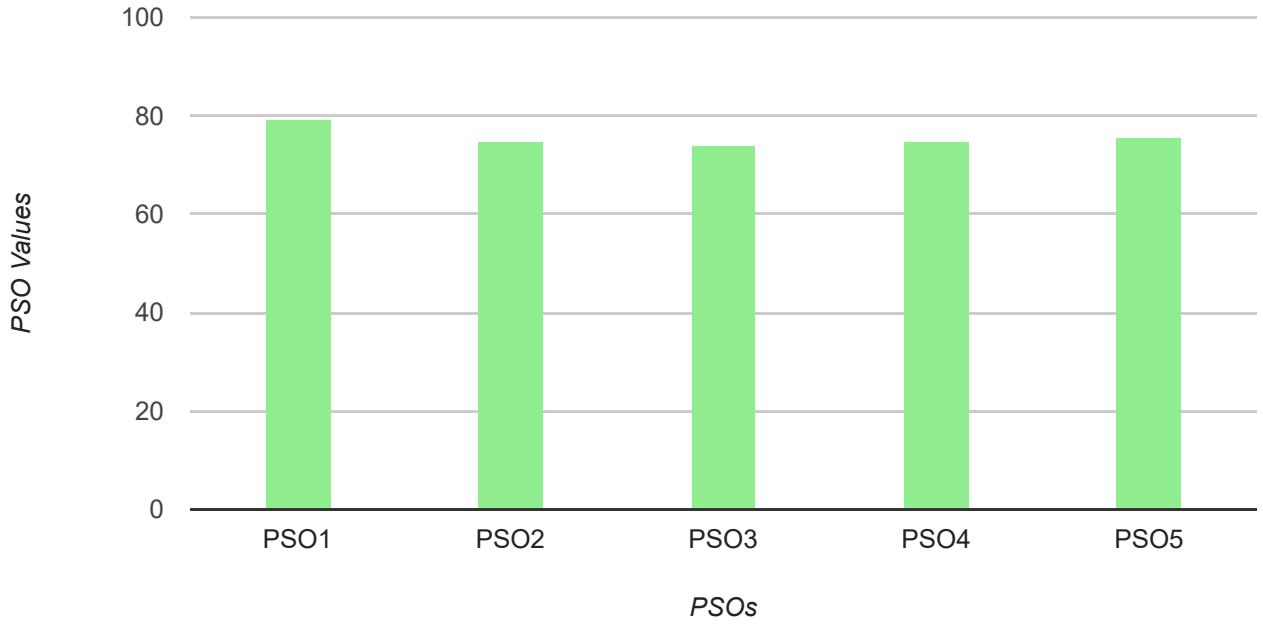


Program Specific Outcome LIST

PSO CODE	PSO DESCRIPTION
PSO1	To lay a strong foundation in the fundamentals and application of current chemical and scientific theories.
PSO2	Develops analytical skills and problem-solving skills requiring application of chemical principles.
PSO3	To enable the students to understand the importance of chemistry for addressing social, economic, and environmental problems.
PSO4	Learns about the potential uses of analytical chemistry, medicinal chemistry, and green chemistry
PSO5	To apply appropriate techniques for the qualitative and quantitative analysis of chemicals in laboratories and in industries for developing green chemistry approach towards planning and execution of research in frontier areas of chemical sciences.

Program Specific Outcome Attainment

PROGRAM SPECIFIC OUTCOME PERCENTAGE OF NIVEDYA N					
PSO CODE	**PSO1**	**PSO2**	**PSO3**	**PSO4**	**PSO5**
	79.35	74.89	73.87	74.94	75.45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PSO Values
PSO1
PSO2
PSO3
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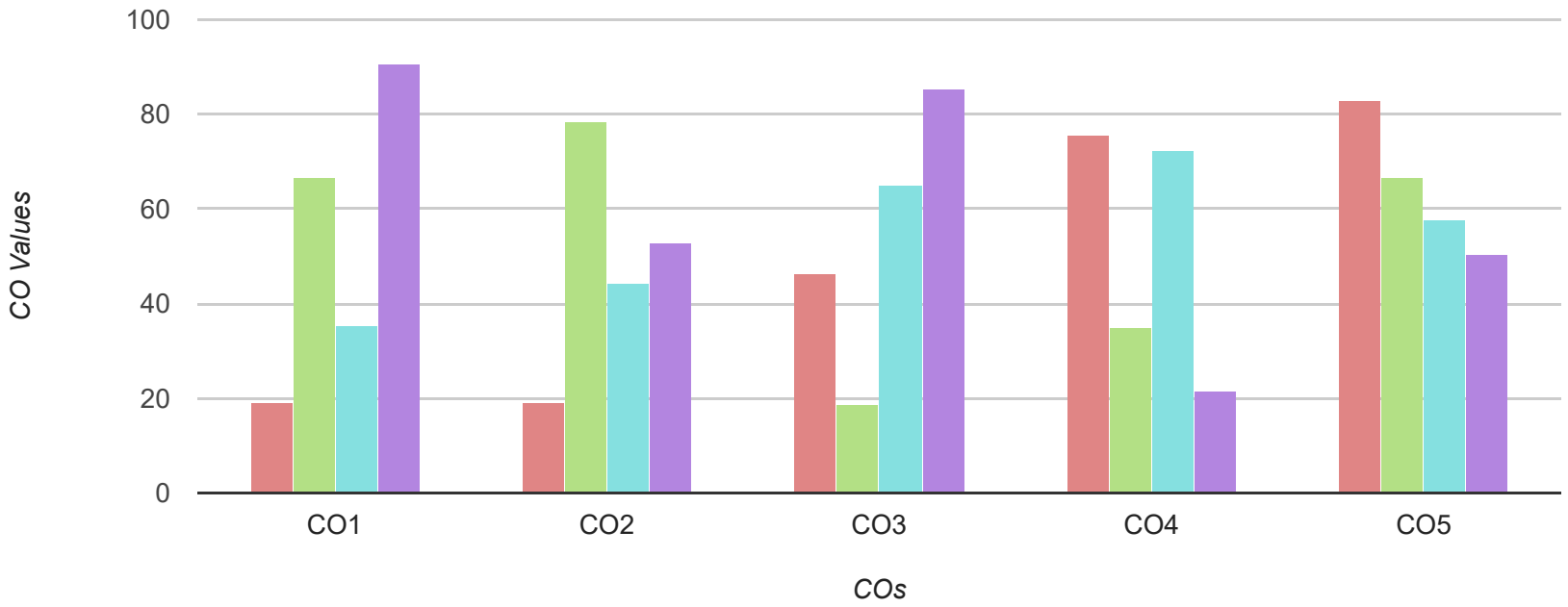
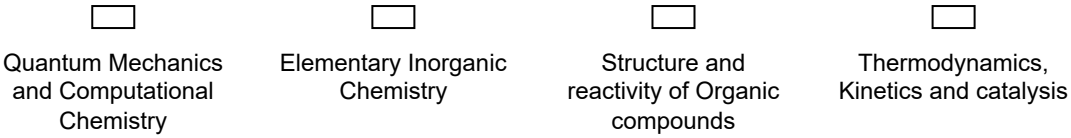
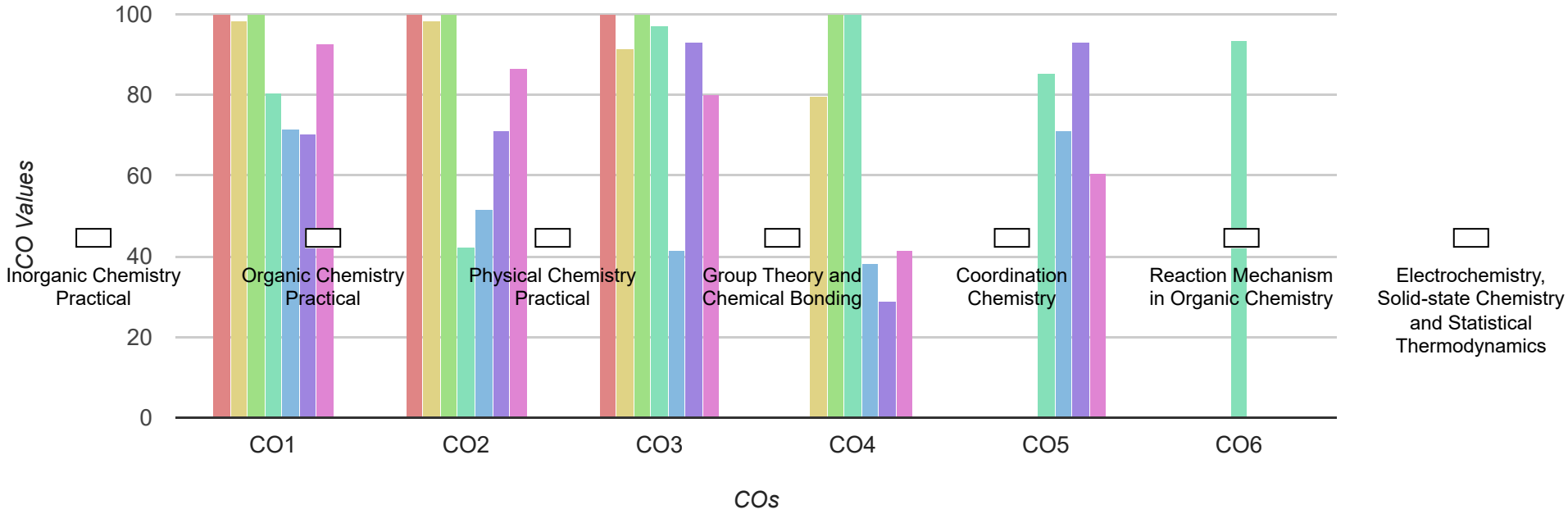
PSO5
PSOs

SEMESTER 1 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Quantum Mechanics and Computational Chemistry	**CC19PCHE1C01**	19.00	19.00	46.20	75.73	83.00	
Elementary Inorganic Chemistry	**CC19PCHE1C02**	66.80	78.36	18.80	34.80	66.80	
Structure and reactivity of Organic compounds	**CC19PCHE1C03**	35.20	44.34	64.91	72.53	57.60	
Thermodynamics, Kinetics and catalysis	**CC19PCHE1C04**	90.52	52.98	85.19	21.72	50.52	




Quantum Mechanics and Computational Chemistry
Elementary Inorganic Chemistry
Structure and reactivity of Organic compounds
Thermodynamics, Kinetics and catalysis

SEMESTER 2 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Inorganic Chemistry Practical	**CC19PCHE1L01 & CC19PCHE2L04**	100.00	100.00	100.00			
Organic Chemistry Practical	**CC19PCHE1L02 & CC19PCHE2L05**	98.29	98.29	91.63	79.63		
Physical Chemistry Practical	**CC19PCHE1L03 & CC19PCHE2L06**	100.00	100.00	100.00	100.00		
Group Theory and Chemical Bonding	**CC19PCHE2C05**	80.53	42.13	97.26	100.00	85.33	93.33
Coordination Chemistry	**CC19PCHE2C06**	71.52	51.51	41.27	38.07	71.14	
Reaction Mechanism in Organic Chemistry	**CC19PCHE2C07**	70.25	71.01	92.95	28.95	92.95	
Electrochemistry, Solid-state Chemistry and Statistical Thermodynamics	**CC19PCHE2C08**	92.85	86.45	80.05	41.65	60.59	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CO Values
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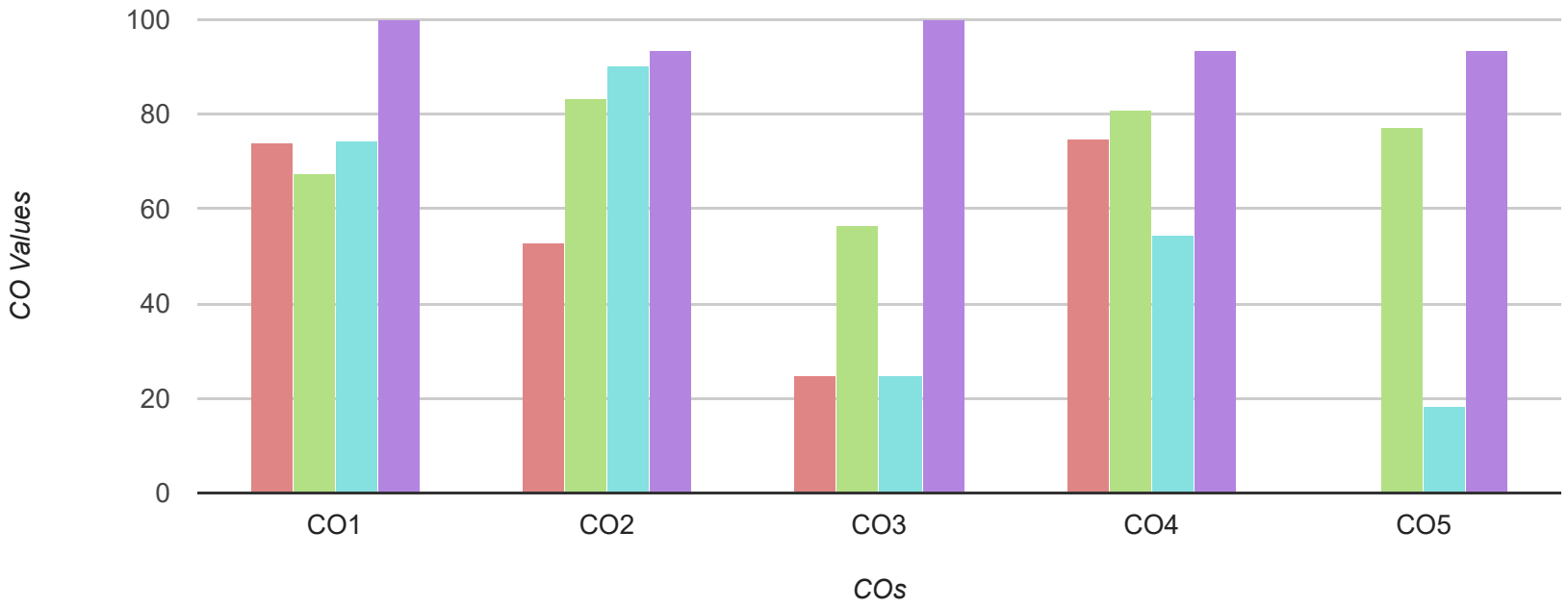
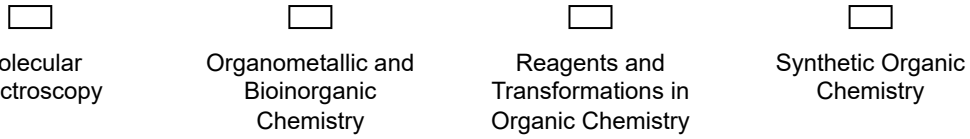
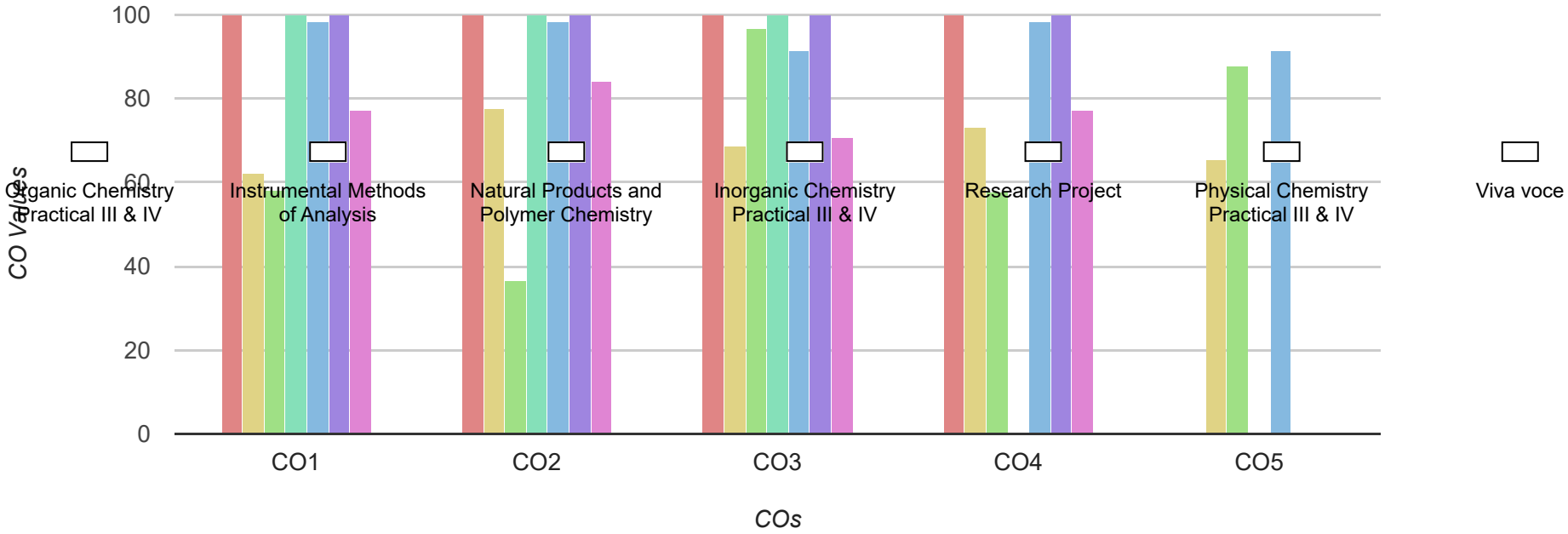
Inorganic Chemistry Practical
Organic Chemistry Practical
Physical Chemistry Practical
Group Theory and Chemical Bonding
Coordination Chemistry
Reaction Mechanism in Organic Chemistry
Electrochemistry, Solid-state Chemistry and Statistical Thermodynamics

SEMESTER 3 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Molecular Spectroscopy	**CC19PCHE3C09**	73.87	52.84	24.84	74.98		
Organometallic and Bioinorganic Chemistry	**CC19PCHE3C10**	67.56	83.42	56.43	80.86	77.25	
Reagents and Transformations in Organic Chemistry	**CC19PCHE3C11**	74.27	90.35	24.78	54.64	18.19	
Synthetic Organic Chemistry	**CC19PCHE3E01**	100.00	93.33	100.00	93.33	93.33	




Molecular Spectroscopy
Organometallic and Bioinorganic Chemistry
Reagents and Transformations in Organic Chemistry
Synthetic Organic Chemistry

SEMESTER 4 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Organic Chemistry Practical III & IV	**CC19PCHE3L08 & CC19PCHE4L11**	100.00	100.00	100.00	100.00		
Instrumental Methods of Analysis	**CC19PCHE4C12**	62.22	77.78	68.62	73.24	65.42	
Natural Products and Polymer Chemistry	**CC19PCHE4E06**	57.93	36.58	96.71	57.55	87.68	
Inorganic Chemistry Practical III & IV	**CC19PCHE3L07 & CC19PCHE4L10**	100.00	100.00	100.00			
Research Project	**CC19PCHE4P01**	98.21	98.21	91.54	98.21	91.54	
Physical Chemistry Practical III & IV	**CC19PCHE3L09 & CC19PCHE4L12**	100.00	100.00	100.00	100.00		
Viva voce	**CC19PCHE4V01**	77.33	84.00	70.67	77.33		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Organic Chemistry Practical III & IV
Instrumental Methods of Analysis
Natural Products and Polymer Chemistry
Inorganic Chemistry Practical III & IV
Research Project
Physical Chemistry Practical III & IV
Viva voce

CHRIST COLLEGE (AUTONOMOUS)
IRINJALAKUDA.Kerala-680125
Reaccredited by NAAC with 'A++' grade

OBE CARD

Department:	CHEMISTRY
Program:	M.Sc. Chemistry
Batch:	MSC CHE SF 2022

Name:	ANN MARIYA K.P.
Register No:	CCAWMCH018
Admission No:	28325
Entry Year:	2022
Exit Year:	2024

This report provides the evidence of OBE implementation in CHRIST COLLEGE (AUTONOMOUS), and the measurement of both direct and indirect assessment of students during the academic year 2022-2024

Program: M.Sc. Chemistry

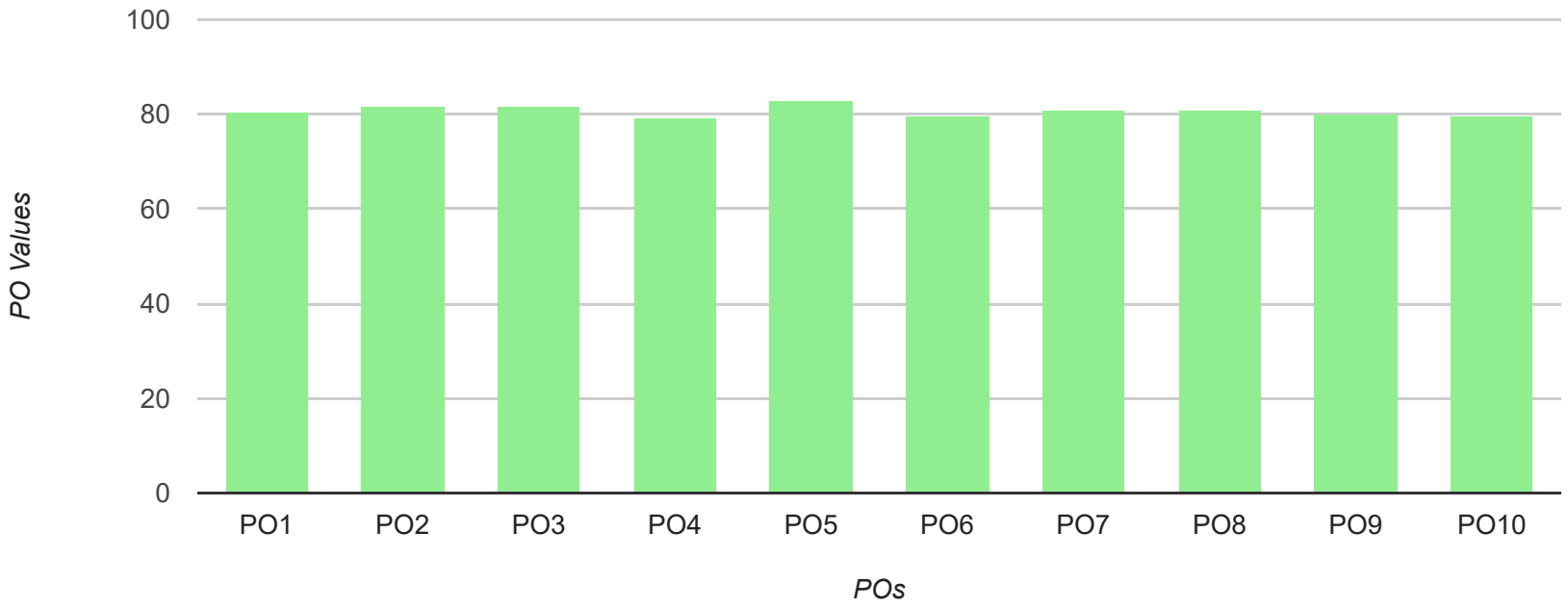
Program Outcome LIST

PO CODE	PO DESCRIPTION
PO1	Through knowledge in the chosen discipline
PO2	An aptitude for research
PO3	An independent and individual way of thinking and communicating ideas
PO4	The ability to access and utilize knowledge and information for personal and general good
PO5	The discretion to engage in academic work with academic integrity
PO6	To know how to function in multidisciplinary domains
PO7	A global perspective, facilitating appropriate interaction with people from various cultural, linguistic and religious backgrounds
PO8	Decision-making and reasoning ability to find solutions to ethical problems
PO9	A spirit of selfless service making him willing to serve the needy and the marginalized
PO10	A heightened awareness of environmental issues and necessity of solving them

Program Outcome Attainment

PROGRAM OUTCOME PERCENTAGE OF ANN MARIYA K.P.										
PO CODE	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**

	80.42	81.55	81.83	79.18	82.99	79.74	80.72	80.75	80.28	79.69

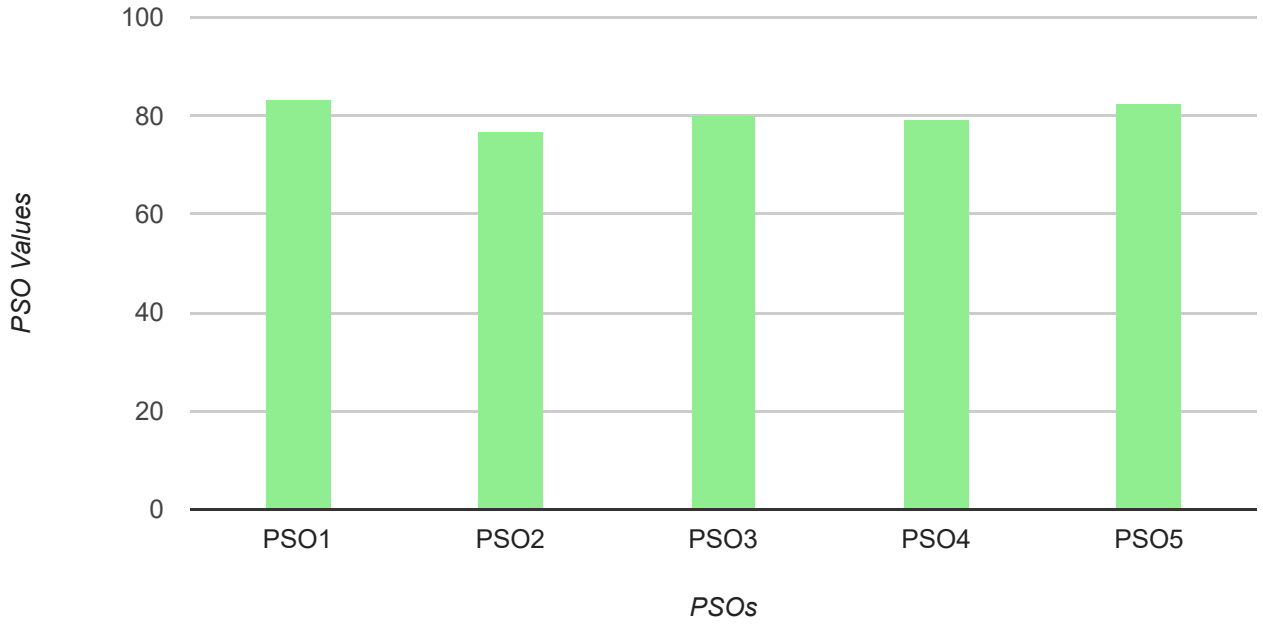


Program Specific Outcome LIST

PSO CODE	PSO DESCRIPTION
PSO1	To lay a strong foundation in the fundamentals and application of current chemical and scientific theories.
PSO2	Develops analytical skills and problem-solving skills requiring application of chemical principles.
PSO3	To enable the students to understand the importance of chemistry for addressing social, economic, and environmental problems.
PSO4	Learns about the potential uses of analytical chemistry, medicinal chemistry, and green chemistry
PSO5	To apply appropriate techniques for the qualitative and quantitative analysis of chemicals in laboratories and in industries for developing green chemistry approach towards planning and execution of research in frontier areas of chemical sciences.

Program Specific Outcome Attainment

PROGRAM SPECIFIC OUTCOME PERCENTAGE OF ANN MARIYA K.P.					
PSO CODE	**PSO1**	**PSO2**	**PSO3**	**PSO4**	**PSO5**
	83.14	76.83	80.12	79.42	82.33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PSO Values
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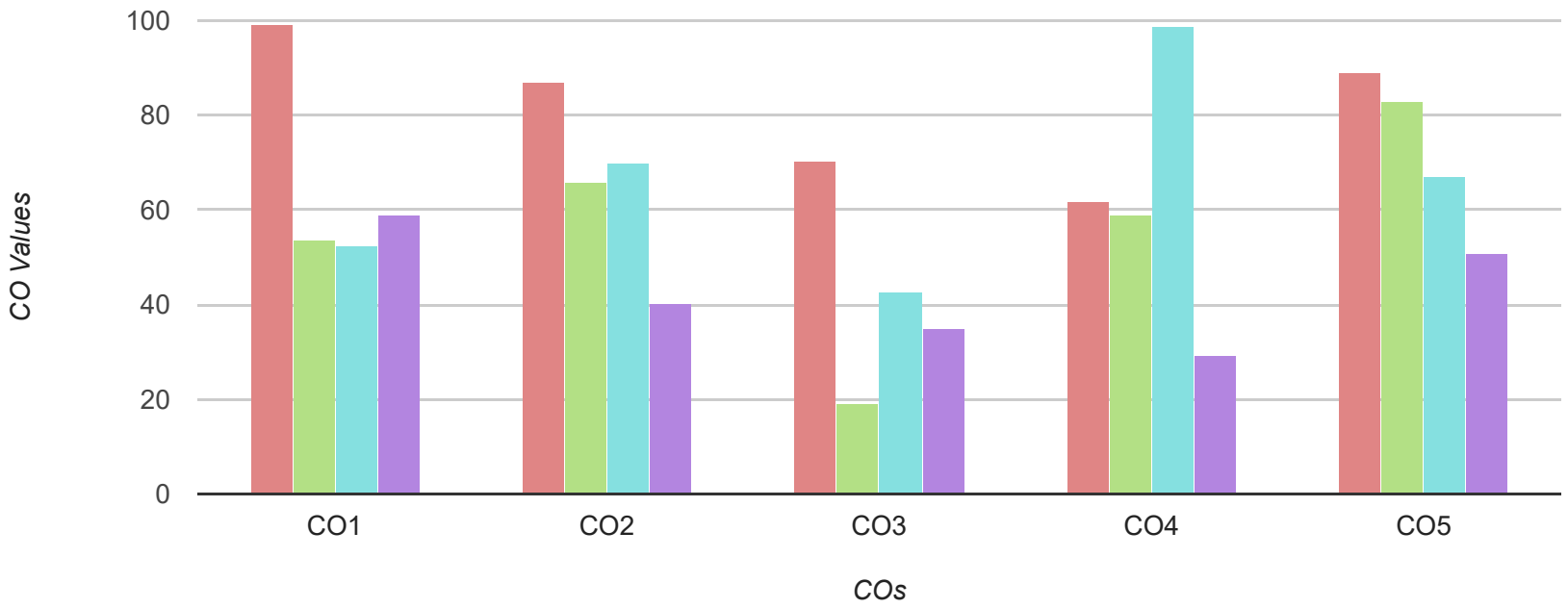
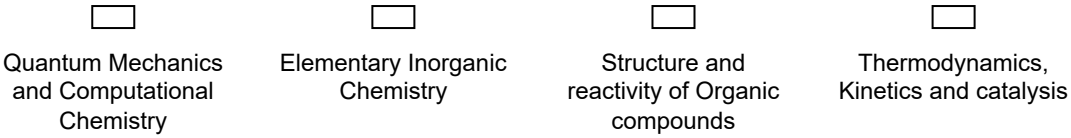
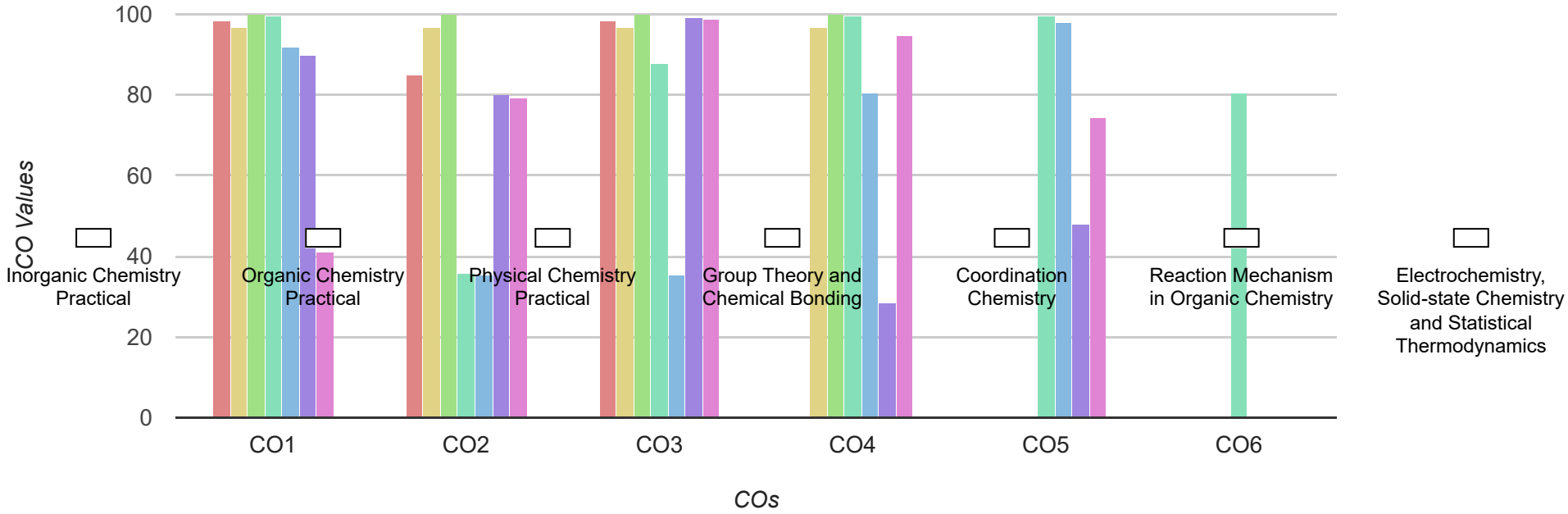
SEMESTER 1 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Quantum Mechanics and Computational Chemistry	**CC19PCHE1C01**	99.12	87.12	70.32	61.79	89.12	
Elementary Inorganic Chemistry	**CC19PCHE1C02**	53.63	65.82	18.96	58.96	82.96	
Structure and reactivity of Organic compounds	**CC19PCHE1C03**	52.48	69.88	42.88	98.88	66.88	
Thermodynamics, Kinetics and catalysis	**CC19PCHE1C04**	58.80	40.13	34.80	29.47	50.80	




Quantum Mechanics and Computational Chemistry
Elementary Inorganic Chemistry
Structure and reactivity of Organic compounds
Thermodynamics, Kinetics and catalysis

SEMESTER 2 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Inorganic Chemistry Practical	**CC19PCHE1L01 & CC19PCHE2L04**	98.29	84.96	98.29			
Organic Chemistry Practical	**CC19PCHE1L02 & CC19PCHE2L05**	96.59	96.59	96.59	96.59		
Physical Chemistry Practical	**CC19PCHE1L03 & CC19PCHE2L06**	100.00	100.00	100.00	100.00		
Group Theory and Chemical Bonding	**CC19PCHE2C05**	99.71	35.71	87.90	99.71	99.71	80.51
Coordination Chemistry	**CC19PCHE2C06**	91.84	35.52	35.52	80.32	98.10	
Reaction Mechanism in Organic Chemistry	**CC19PCHE2C07**	89.96	80.00	99.20	28.53	48.00	
Electrochemistry, Solid-state Chemistry and Statistical Thermodynamics	**CC19PCHE2C08**	40.92	79.32	98.78	94.52	74.20	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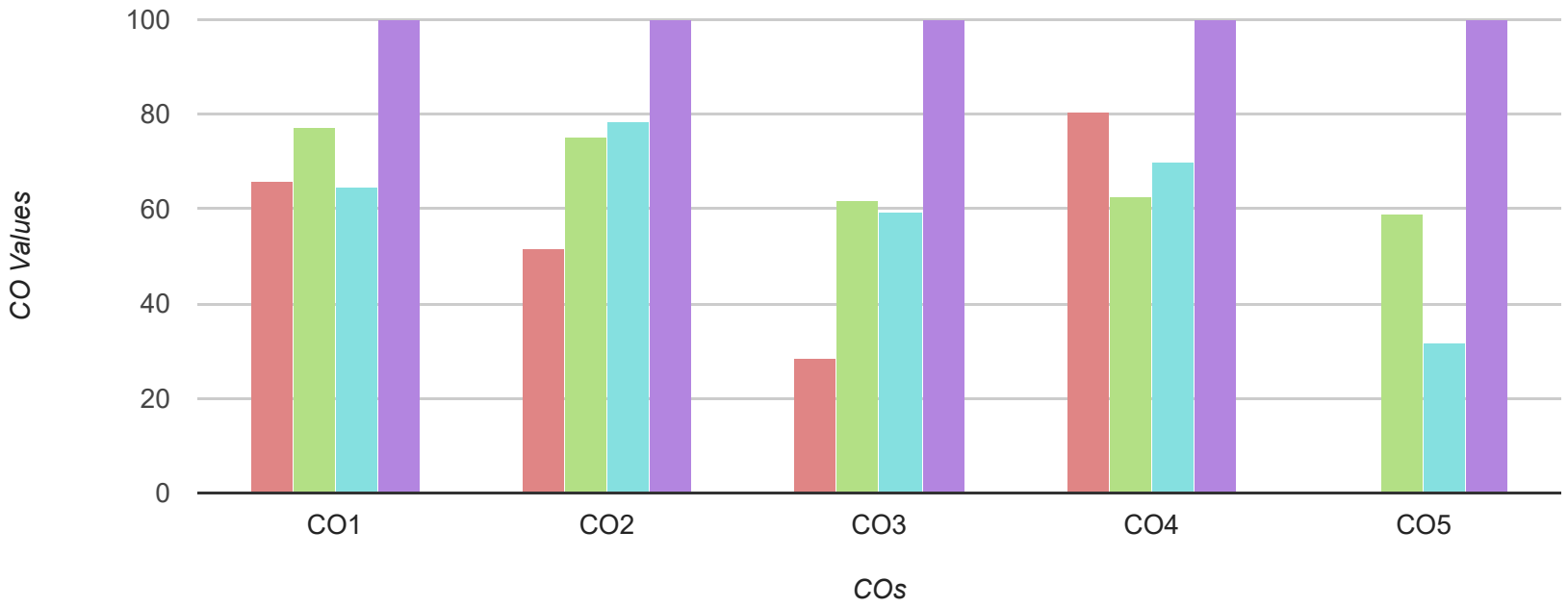
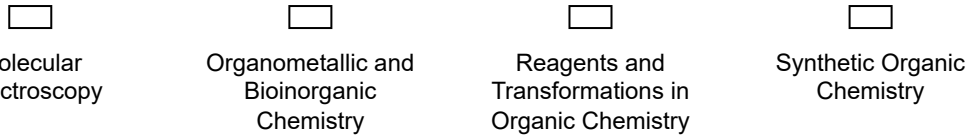
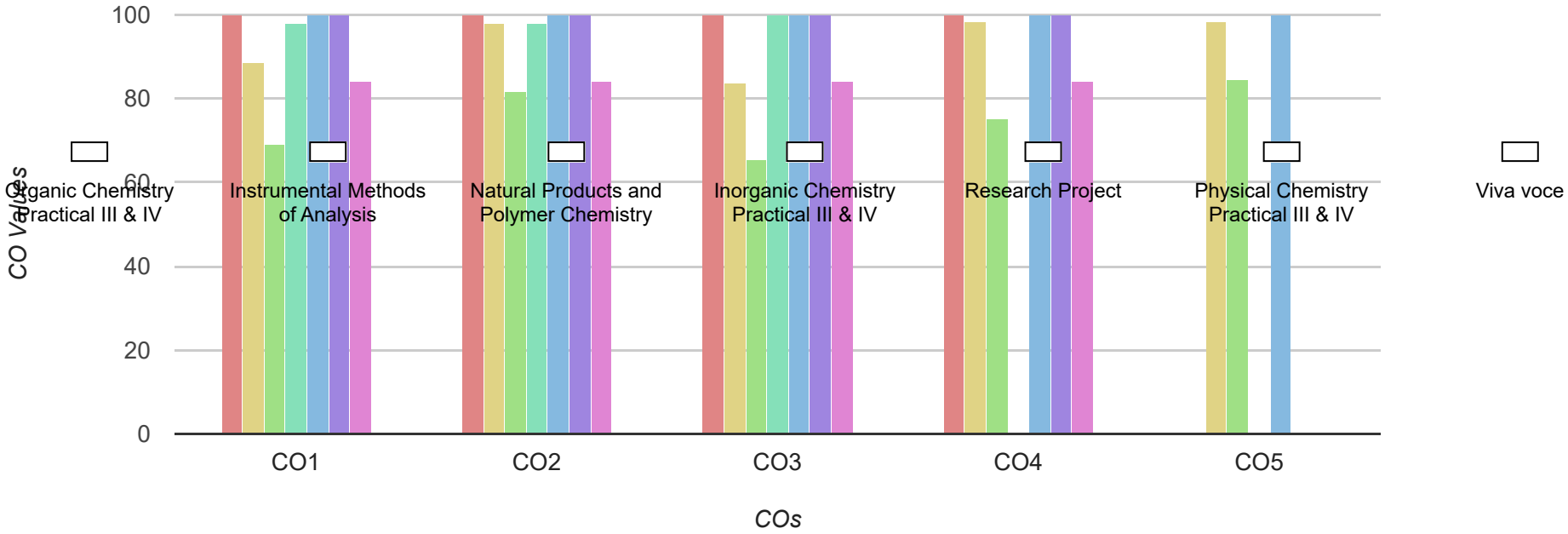
Inorganic Chemistry Practical
Organic Chemistry Practical
Physical Chemistry Practical
Group Theory and Chemical Bonding
Coordination Chemistry
Reaction Mechanism in Organic Chemistry
Electrochemistry, Solid-state Chemistry and Statistical Thermodynamics

SEMESTER 3 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Molecular Spectroscopy	**CC19PCHE3C09**	65.71	51.57	28.37	80.48		
Organometallic and Bioinorganic Chemistry	**CC19PCHE3C10**	77.33	75.27	61.63	62.48	58.82	
Reagents and Transformations in Organic Chemistry	**CC19PCHE3C11**	64.83	78.46	59.53	69.96	31.81	
Synthetic Organic Chemistry	**CC19PCHE3E01**	100.00	100.00	100.00	100.00	100.00	




Molecular Spectroscopy
Organometallic and Bioinorganic Chemistry
Reagents and Transformations in Organic Chemistry
Synthetic Organic Chemistry

SEMESTER 4 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Organic Chemistry Practical III & IV	**CC19PCHE3L08 & CC19PCHE4L11**	100.00	100.00	100.00	100.00		
Instrumental Methods of Analysis	**CC19PCHE4C12**	88.62	97.78	83.82	98.22	98.22	
Natural Products and Polymer Chemistry	**CC19PCHE4E06**	69.03	81.62	65.61	75.15	84.72	
Inorganic Chemistry Practical III & IV	**CC19PCHE3L07 & CC19PCHE4L10**	97.87	97.87	100.00			
Research Project	**CC19PCHE4P01**	100.00	100.00	100.00	100.00	100.00	
Physical Chemistry Practical III & IV	**CC19PCHE3L09 & CC19PCHE4L12**	100.00	100.00	100.00	100.00		
Viva voce	**CC19PCHE4V01**	84.00	84.00	84.00	84.00		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Organic Chemistry Practical III & IV
Instrumental Methods of Analysis
Natural Products and Polymer Chemistry
Inorganic Chemistry Practical III & IV
Research Project
Physical Chemistry Practical III & IV
Viva voce

CHRIST COLLEGE (AUTONOMOUS)
IRINJALAKUDA.Kerala-680125
Reaccredited by NAAC with 'A++' grade

OBE CARD

Department:	CHEMISTRY
Program:	M.Sc. Chemistry
Batch:	MSC CHE SF 2022

Name:	JIYA K J
Register No:	CCAWMCH021
Admission No:	28328
Entry Year:	2022
Exit Year:	2024

This report provides the evidence of OBE implementation in CHRIST COLLEGE (AUTONOMOUS), and the measurement of both direct and indirect assessment of students during the academic year 2022-2024

Program: M.Sc. Chemistry

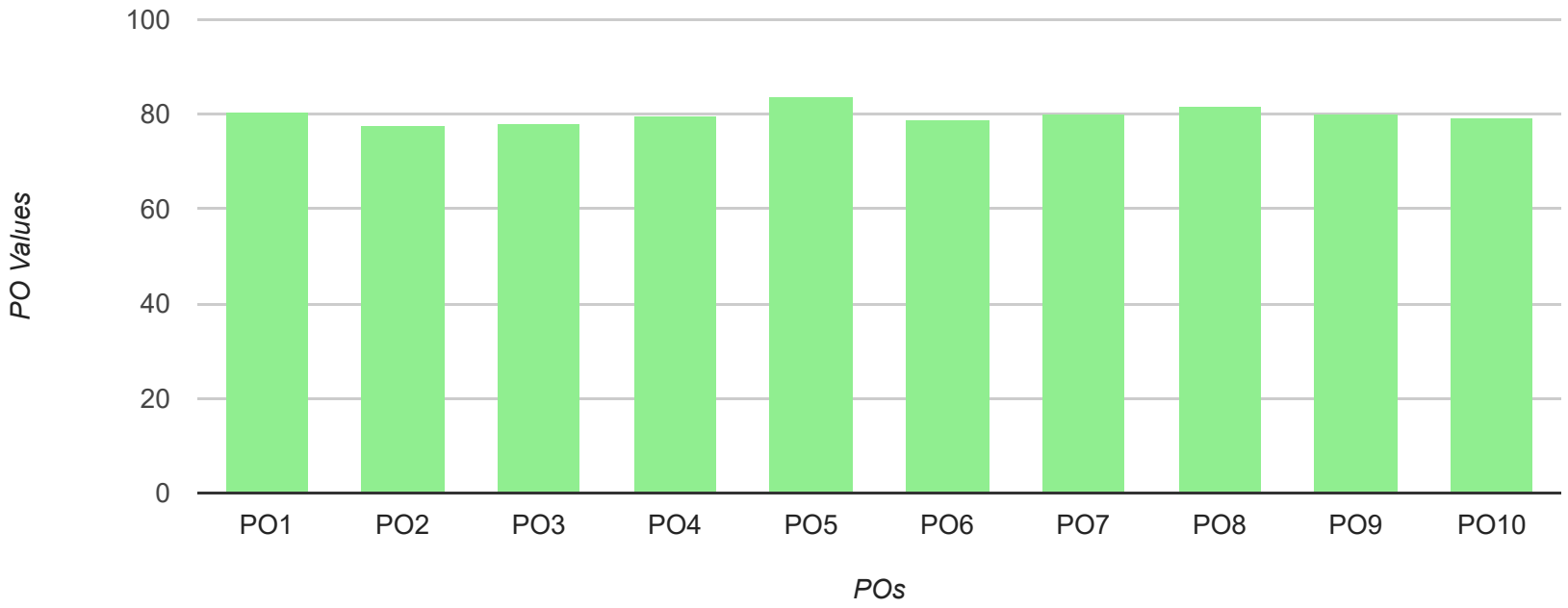
Program Outcome LIST

PO CODE	PO DESCRIPTION
PO1	Through knowledge in the chosen discipline
PO2	An aptitude for research
PO3	An independent and individual way of thinking and communicating ideas
PO4	The ability to access and utilize knowledge and information for personal and general good
PO5	The discretion to engage in academic work with academic integrity
PO6	To know how to function in multidisciplinary domains
PO7	A global perspective, facilitating appropriate interaction with people from various cultural, linguistic and religious backgrounds
PO8	Decision-making and reasoning ability to find solutions to ethical problems
PO9	A spirit of selfless service making him willing to serve the needy and the marginalized
PO10	A heightened awareness of environmental issues and necessity of solving them

Program Outcome Attainment

PROGRAM OUTCOME PERCENTAGE OF JIYA K J										
PO CODE	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**

	80.67	77.57	78.04	79.53	83.64	79.02	79.97	81.78	80.08	79.24

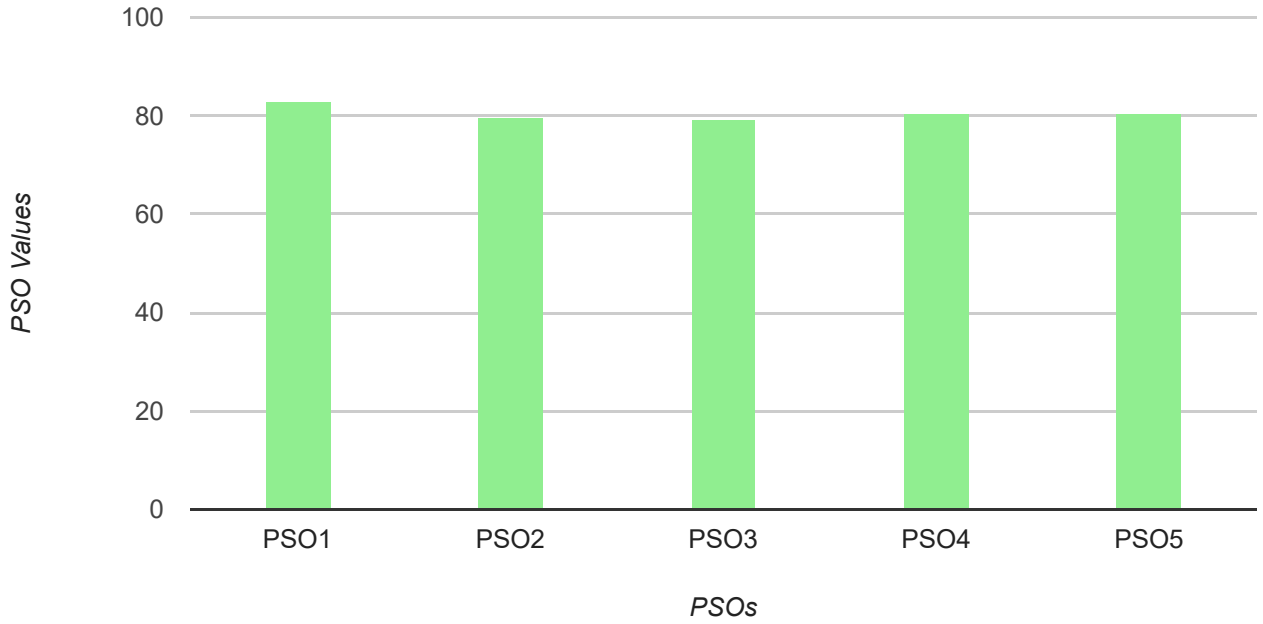


Program Specific Outcome LIST

PSO CODE	PSO DESCRIPTION
PSO1	To lay a strong foundation in the fundamentals and application of current chemical and scientific theories.
PSO2	Develops analytical skills and problem-solving skills requiring application of chemical principles.
PSO3	To enable the students to understand the importance of chemistry for addressing social, economic, and environmental problems.
PSO4	Learns about the potential uses of analytical chemistry, medicinal chemistry, and green chemistry
PSO5	To apply appropriate techniques for the qualitative and quantitative analysis of chemicals in laboratories and in industries for developing green chemistry approach towards planning and execution of research in frontier areas of chemical sciences.

Program Specific Outcome Attainment

PROGRAM SPECIFIC OUTCOME PERCENTAGE OF JIYA K J					
PSO CODE	**PSO1**	**PSO2**	**PSO3**	**PSO4**	**PSO5**
	82.97	79.49	79.23	80.45	80.45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PSO Values
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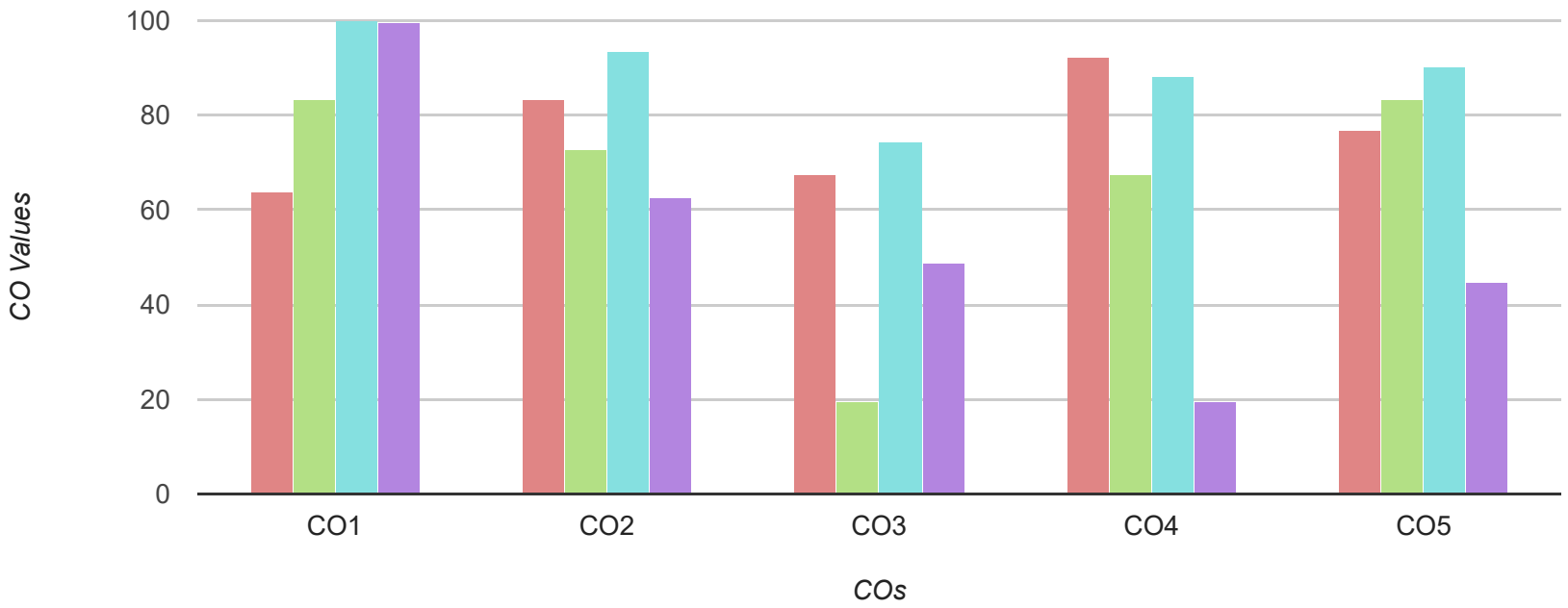
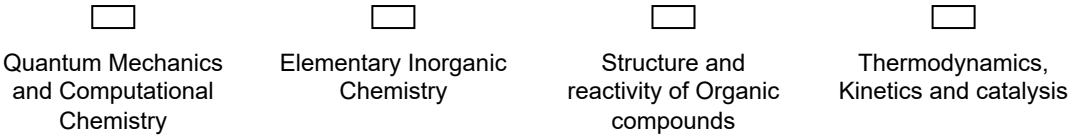
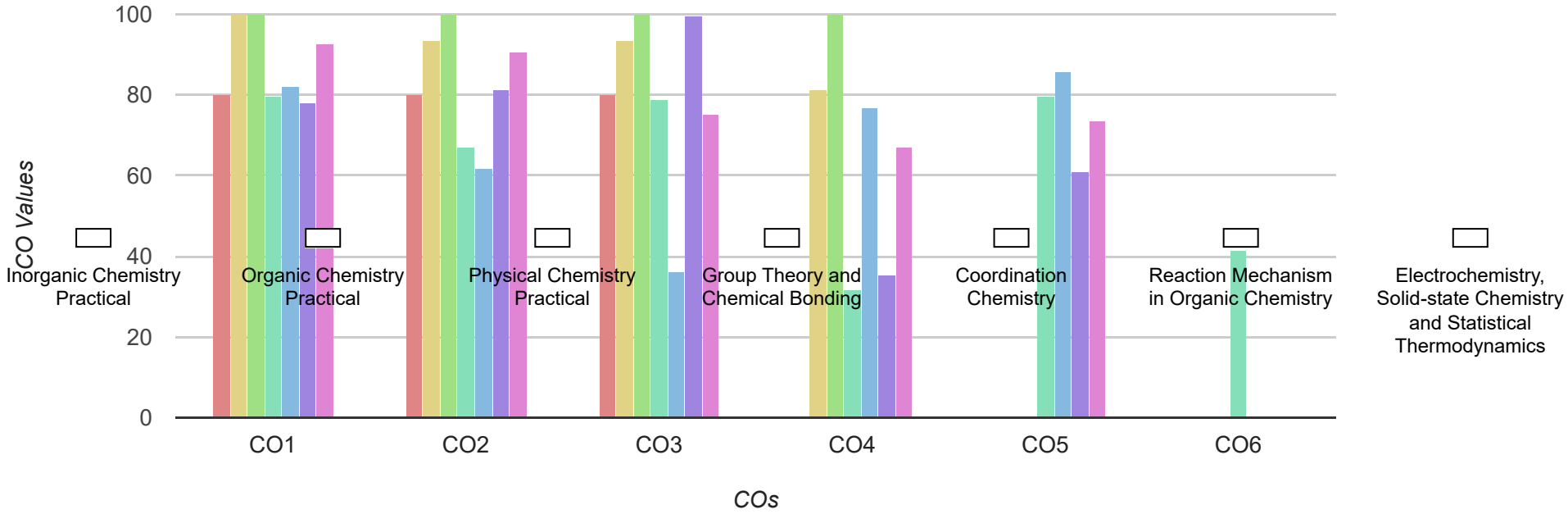
SEMESTER 1 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Quantum Mechanics and Computational Chemistry	**CC19PCHE1C01**	63.76	83.32	67.32	92.21	76.92	
Elementary Inorganic Chemistry	**CC19PCHE1C02**	83.52	72.85	19.52	67.52	83.52	
Structure and reactivity of Organic compounds	**CC19PCHE1C03**	100.00	93.60	74.40	88.36	90.40	
Thermodynamics, Kinetics and catalysis	**CC19PCHE1C04**	99.56	62.76	48.89	19.56	44.70	




Quantum Mechanics and Computational Chemistry
Elementary Inorganic Chemistry
Structure and reactivity of Organic compounds
Thermodynamics, Kinetics and catalysis

SEMESTER 2 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Inorganic Chemistry Practical	**CC19PCHE1L01 & CC19PCHE2L04**	80.00	80.00	80.00			
Organic Chemistry Practical	**CC19PCHE1L02 & CC19PCHE2L05**	100.00	93.33	93.33	81.33		
Physical Chemistry Practical	**CC19PCHE1L03 & CC19PCHE2L06**	100.00	100.00	100.00	100.00		
Group Theory and Chemical Bonding	**CC19PCHE2C05**	79.84	67.04	78.68	31.84	79.84	41.44
Coordination Chemistry	**CC19PCHE2C06**	82.08	61.60	36.00	76.96	85.78	
Reaction Mechanism in Organic Chemistry	**CC19PCHE2C07**	77.86	81.23	99.52	35.52	61.12	
Electrochemistry, Solid-state Chemistry and Statistical Thermodynamics	**CC19PCHE2C08**	92.60	90.73	75.26	67.00	73.66	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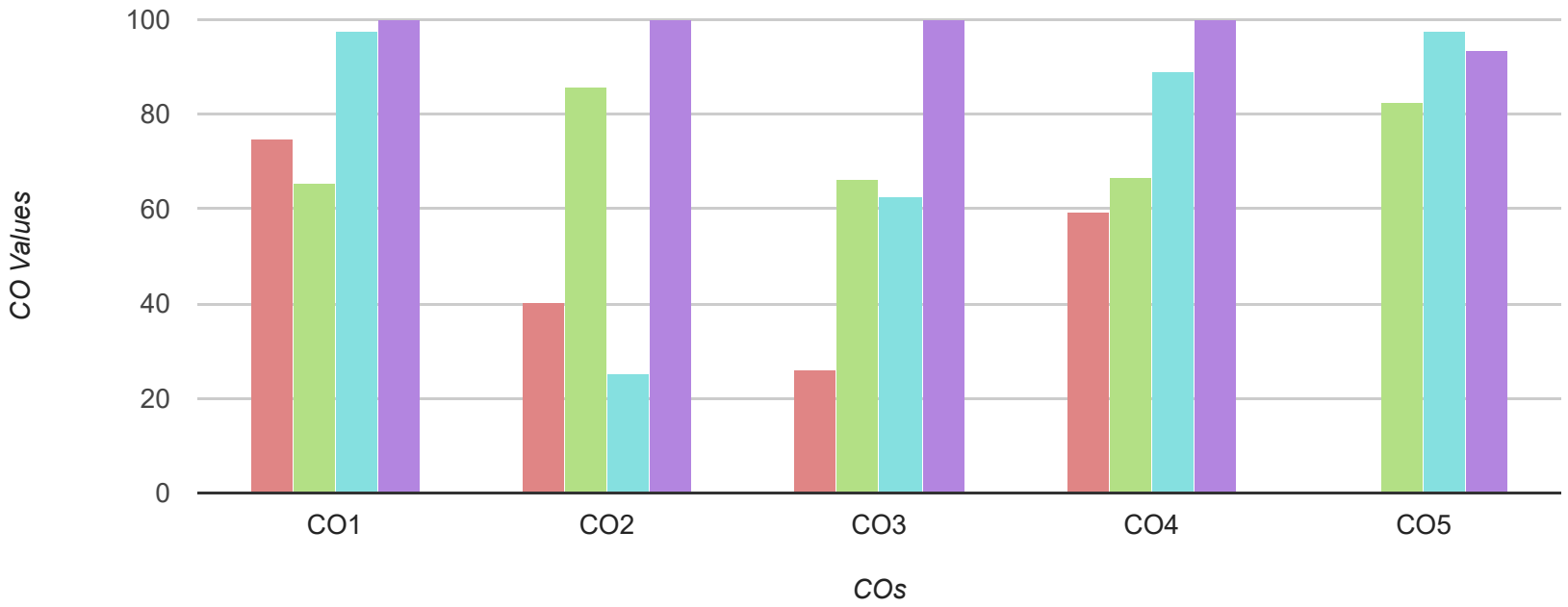
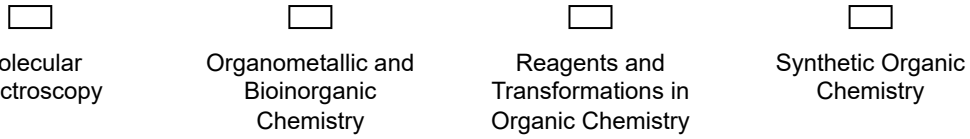
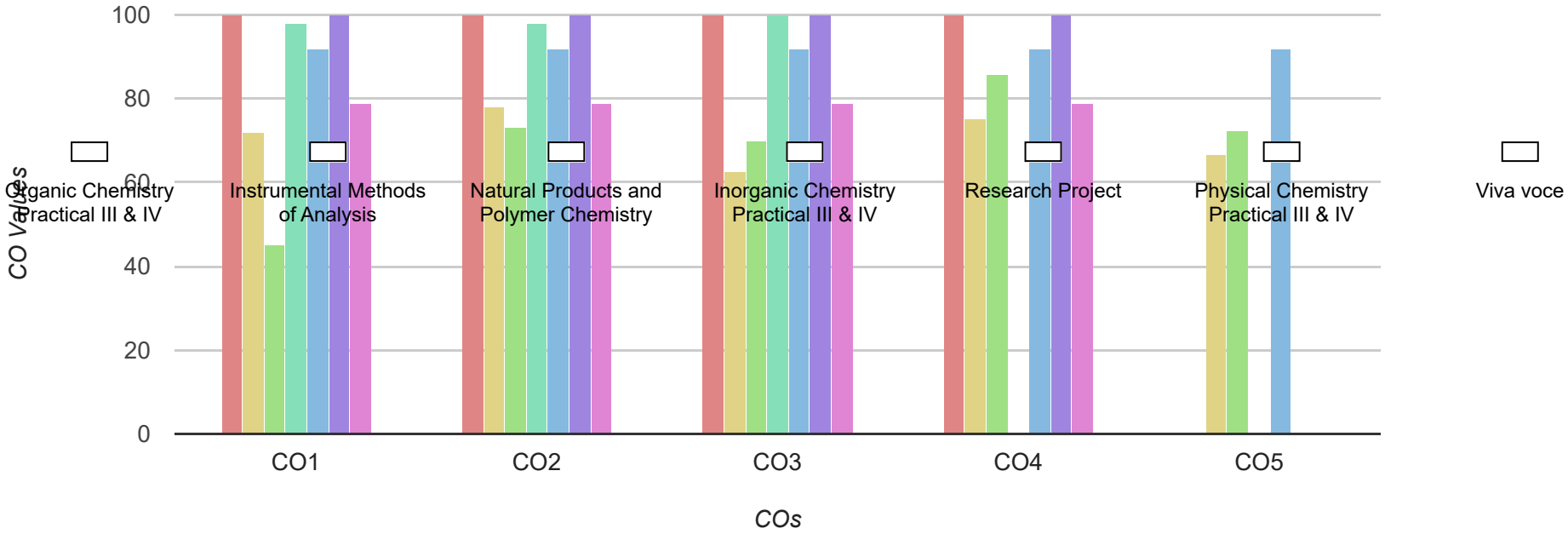
Inorganic Chemistry Practical
Organic Chemistry Practical
Physical Chemistry Practical
Group Theory and Chemical Bonding
Coordination Chemistry
Reaction Mechanism in Organic Chemistry
Electrochemistry, Solid-state Chemistry and Statistical Thermodynamics

SEMESTER 3 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Molecular Spectroscopy	**CC19PCHE3C09**	74.72	40.37	25.97	59.30		
Organometallic and Bioinorganic Chemistry	**CC19PCHE3C10**	65.56	85.74	66.35	66.62	82.71	
Reagents and Transformations in Organic Chemistry	**CC19PCHE3C11**	97.41	25.07	62.66	88.83	97.50	
Synthetic Organic Chemistry	**CC19PCHE3E01**	100.00	100.00	100.00	100.00	93.33	




Molecular Spectroscopy
Organometallic and Bioinorganic Chemistry
Reagents and Transformations in Organic Chemistry
Synthetic Organic Chemistry

SEMESTER 4 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Organic Chemistry Practical III & IV	**CC19PCHE3L08 & CC19PCHE4L11**	100.00	100.00	100.00	100.00		
Instrumental Methods of Analysis	**CC19PCHE4C12**	72.12	78.15	62.52	75.32	66.52	
Natural Products and Polymer Chemistry	**CC19PCHE4E06**	44.98	73.06	69.99	85.76	72.46	
Inorganic Chemistry Practical III & IV	**CC19PCHE3L07 & CC19PCHE4L10**	97.87	97.87	100.00			
Research Project	**CC19PCHE4P01**	91.81	91.81	91.81	91.81	91.81	
Physical Chemistry Practical III & IV	**CC19PCHE3L09 & CC19PCHE4L12**	100.00	100.00	100.00	100.00		
Viva voce	**CC19PCHE4V01**	78.72	78.72	78.72	78.72		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Organic Chemistry Practical III & IV
Instrumental Methods of Analysis
Natural Products and Polymer Chemistry
Inorganic Chemistry Practical III & IV
Research Project
Physical Chemistry Practical III & IV
Viva voce

CHRIST COLLEGE (AUTONOMOUS)
IRINJALAKUDA.Kerala-680125
Reaccredited by NAAC with 'A++' grade

OBE CARD

Department:	CHEMISTRY
Program:	M.Sc. Chemistry
Batch:	MSC CHE SF 2022

Name:	ANUGRAHA C.R
Register No:	CCAWMCH019
Admission No:	28326
Entry Year:	2022
Exit Year:	2024

This report provides the evidence of OBE implementation in CHRIST COLLEGE (AUTONOMOUS), and the measurement of both direct and indirect assessment of students during the academic year 2022-2024

Program: M.Sc. Chemistry

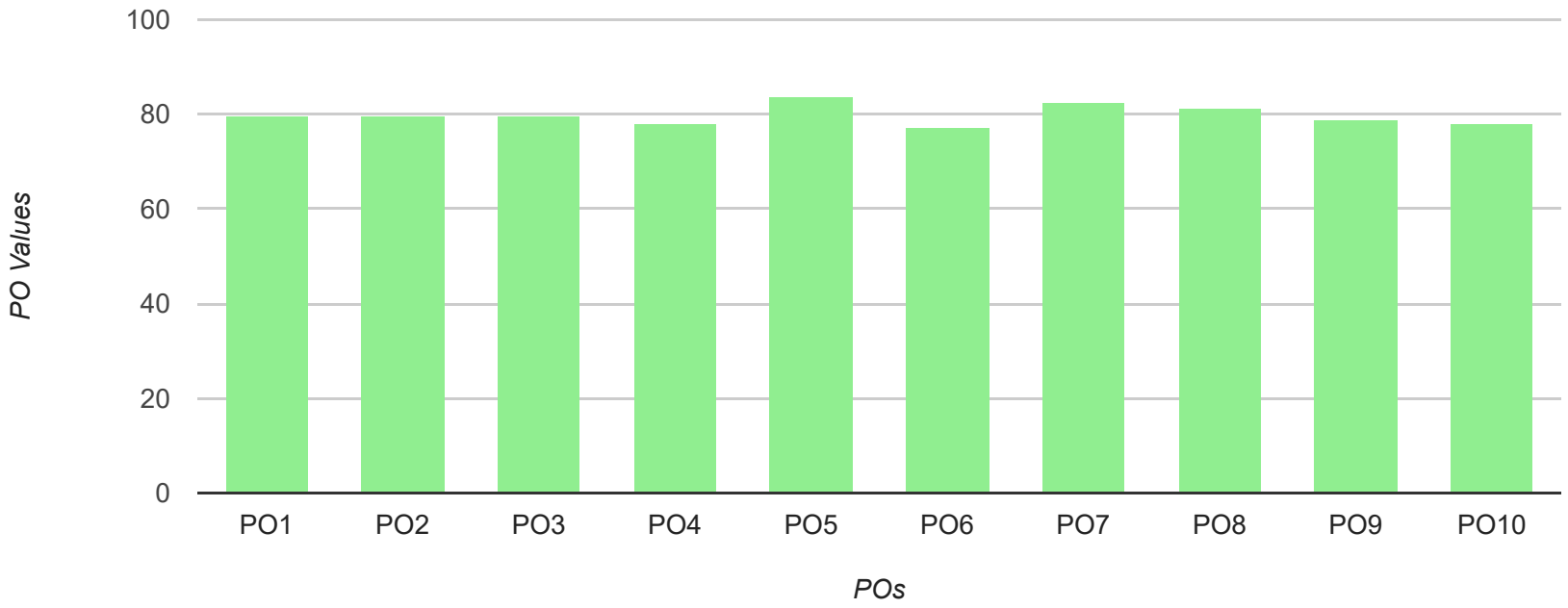
Program Outcome LIST

PO CODE	PO DESCRIPTION
PO1	Through knowledge in the chosen discipline
PO2	An aptitude for research
PO3	An independent and individual way of thinking and communicating ideas
PO4	The ability to access and utilize knowledge and information for personal and general good
PO5	The discretion to engage in academic work with academic integrity
PO6	To know how to function in multidisciplinary domains
PO7	A global perspective, facilitating appropriate interaction with people from various cultural, linguistic and religious backgrounds
PO8	Decision-making and reasoning ability to find solutions to ethical problems
PO9	A spirit of selfless service making him willing to serve the needy and the marginalized
PO10	A heightened awareness of environmental issues and necessity of solving them

Program Outcome Attainment

PROGRAM OUTCOME PERCENTAGE OF ANUGRAHA C.R										
PO CODE	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**

	79.69	79.52	79.74	78.14	83.63	77.18	82.33	81.11	78.66	78.22

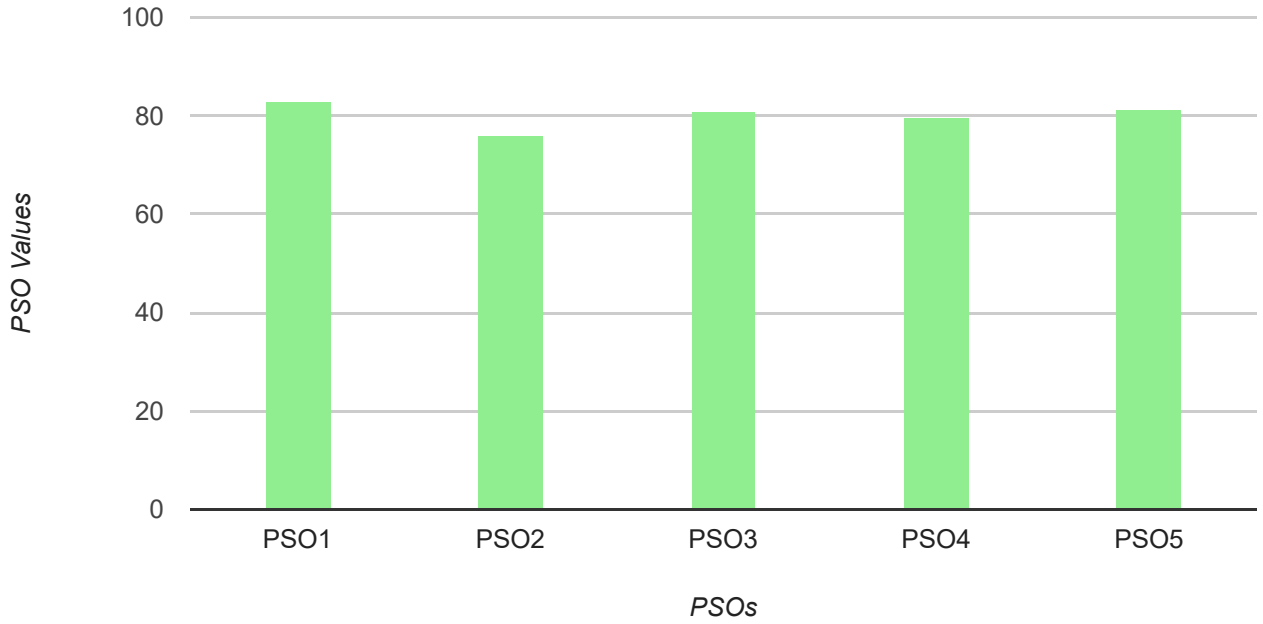


Program Specific Outcome LIST

PSO CODE	PSO DESCRIPTION
PSO1	To lay a strong foundation in the fundamentals and application of current chemical and scientific theories.
PSO2	Develops analytical skills and problem-solving skills requiring application of chemical principles.
PSO3	To enable the students to understand the importance of chemistry for addressing social, economic, and environmental problems.
PSO4	Learns about the potential uses of analytical chemistry, medicinal chemistry, and green chemistry
PSO5	To apply appropriate techniques for the qualitative and quantitative analysis of chemicals in laboratories and in industries for developing green chemistry approach towards planning and execution of research in frontier areas of chemical sciences.

Program Specific Outcome Attainment

PROGRAM SPECIFIC OUTCOME PERCENTAGE OF ANUGRAHA C.R					
PSO CODE	**PSO1**	**PSO2**	**PSO3**	**PSO4**	**PSO5**
	82.94	76.19	81.00	79.79	81.31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PSO Values
PSO1
PSO2
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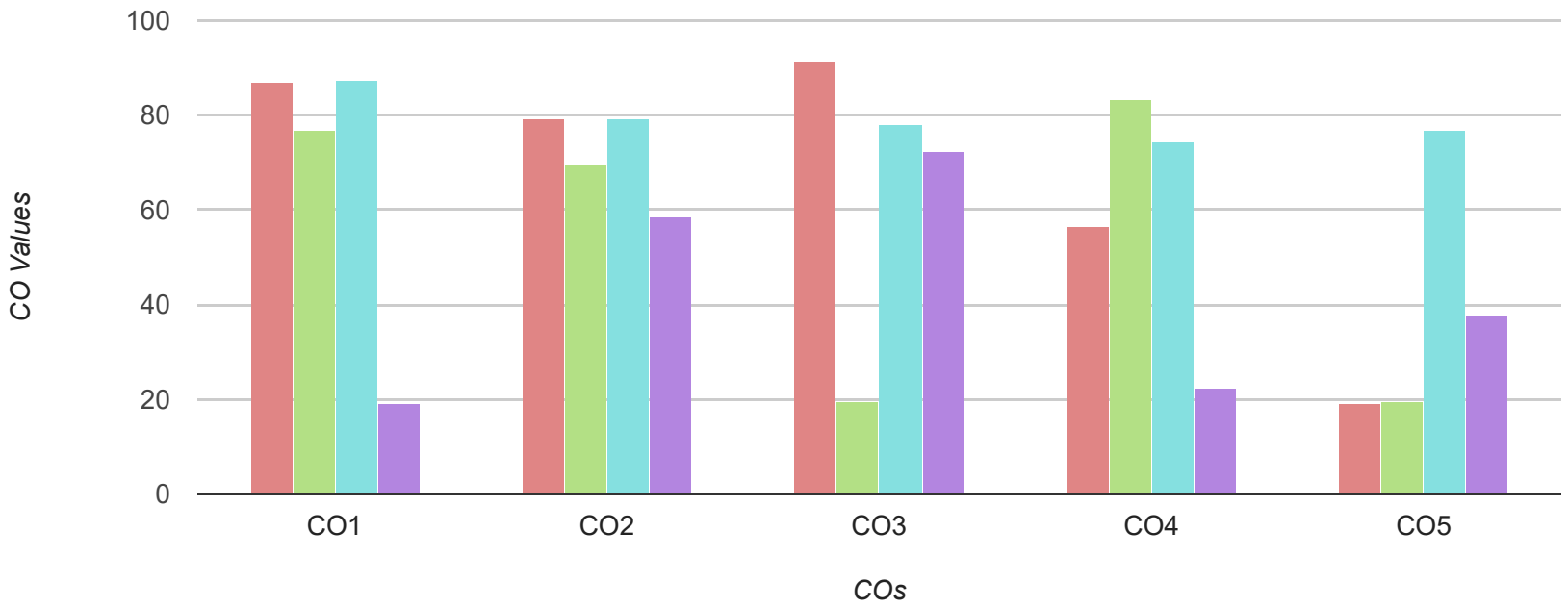
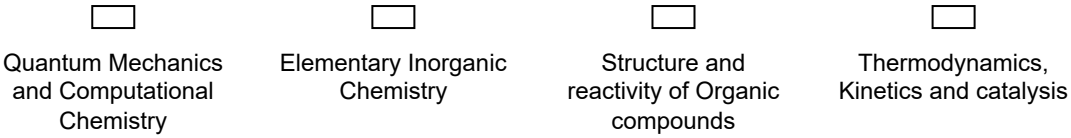
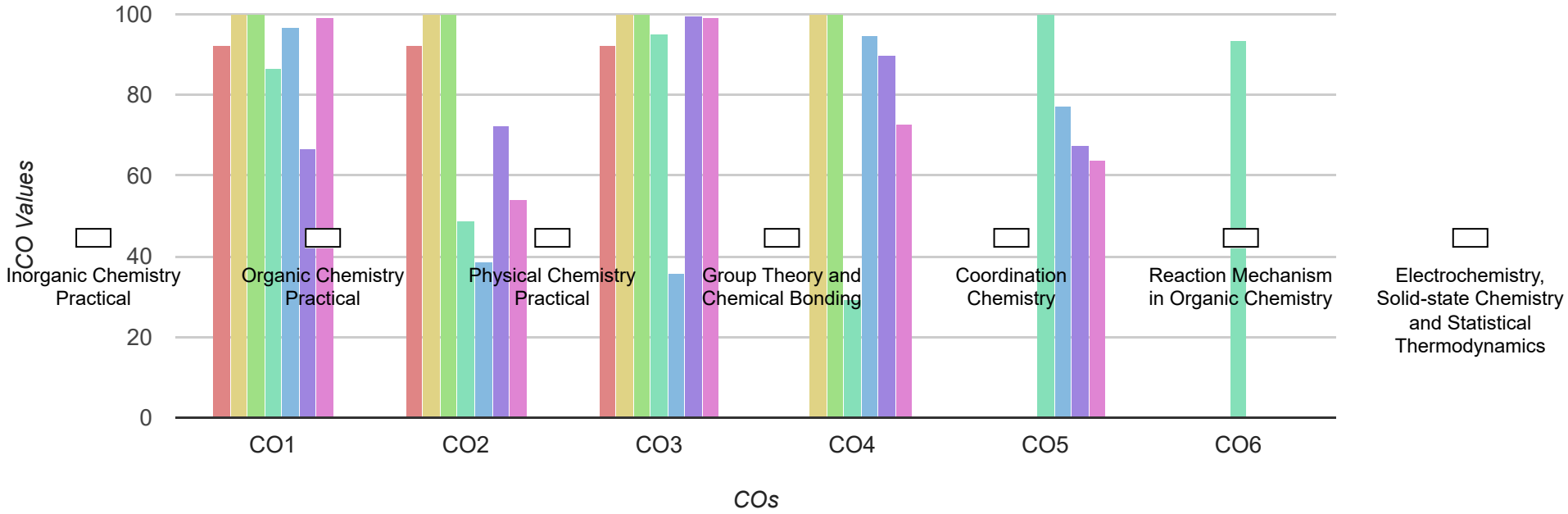
PSOs

SEMESTER 1 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Quantum Mechanics and Computational Chemistry	**CC19PCHE1C01**	86.84	79.28	91.28	56.61	19.28	
Elementary Inorganic Chemistry	**CC19PCHE1C02**	76.73	69.53	19.40	83.40	19.40	
Structure and reactivity of Organic compounds	**CC19PCHE1C03**	87.40	79.40	78.07	74.26	77.00	
Thermodynamics, Kinetics and catalysis	**CC19PCHE1C04**	19.16	58.54	72.49	22.36	37.83	




Quantum Mechanics and Computational Chemistry
Elementary Inorganic Chemistry
Structure and reactivity of Organic compounds
Thermodynamics, Kinetics and catalysis

SEMESTER 2 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Inorganic Chemistry Practical	**CC19PCHE1L01 & CC19PCHE2L04**	92.32	92.32	92.32			
Organic Chemistry Practical	**CC19PCHE1L02 & CC19PCHE2L05**	100.00	100.00	100.00	100.00		
Physical Chemistry Practical	**CC19PCHE1L03 & CC19PCHE2L06**	100.00	100.00	100.00	100.00		
Group Theory and Chemical Bonding	**CC19PCHE2C05**	86.47	48.61	95.24	29.14	99.81	93.41
Coordination Chemistry	**CC19PCHE2C06**	96.67	38.81	35.87	94.75	77.12	
Reaction Mechanism in Organic Chemistry	**CC19PCHE2C07**	66.55	72.25	99.68	89.81	67.41	
Electrochemistry, Solid-state Chemistry and Statistical Thermodynamics	**CC19PCHE2C08**	99.30	54.23	99.30	72.72	63.83	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CO Values
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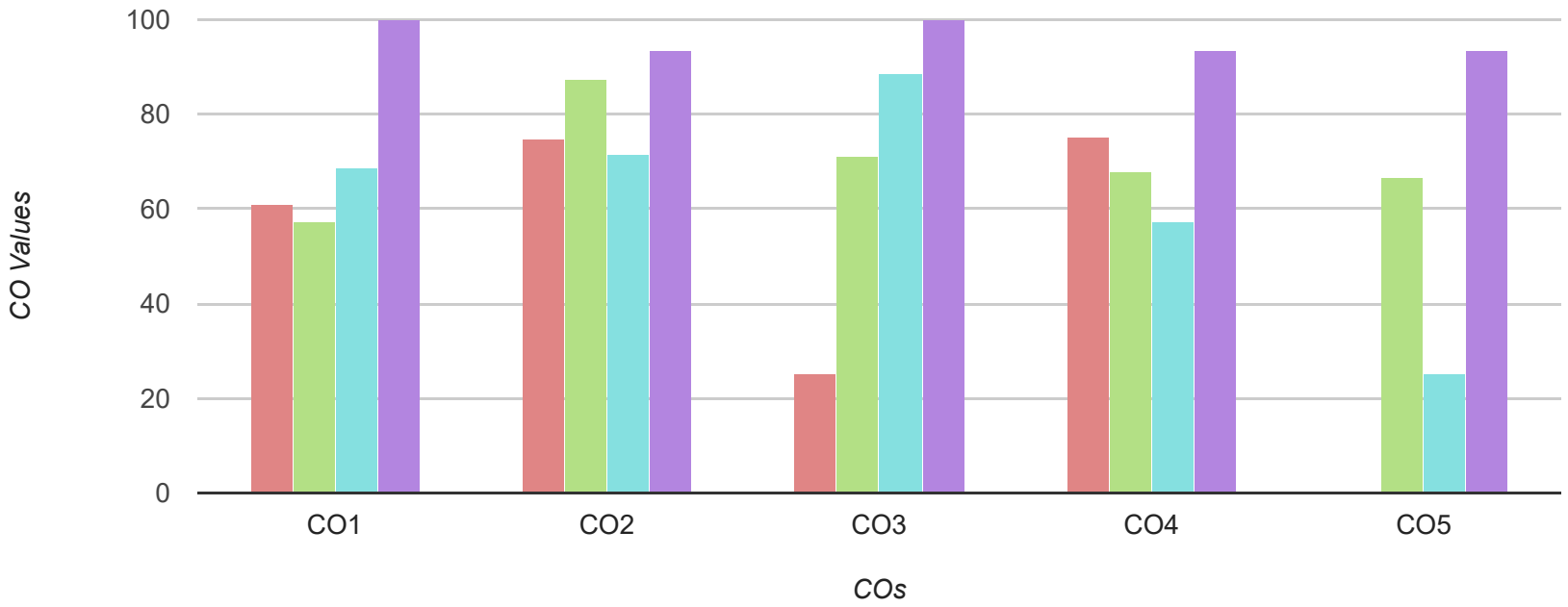
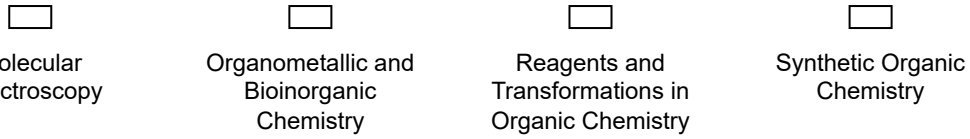
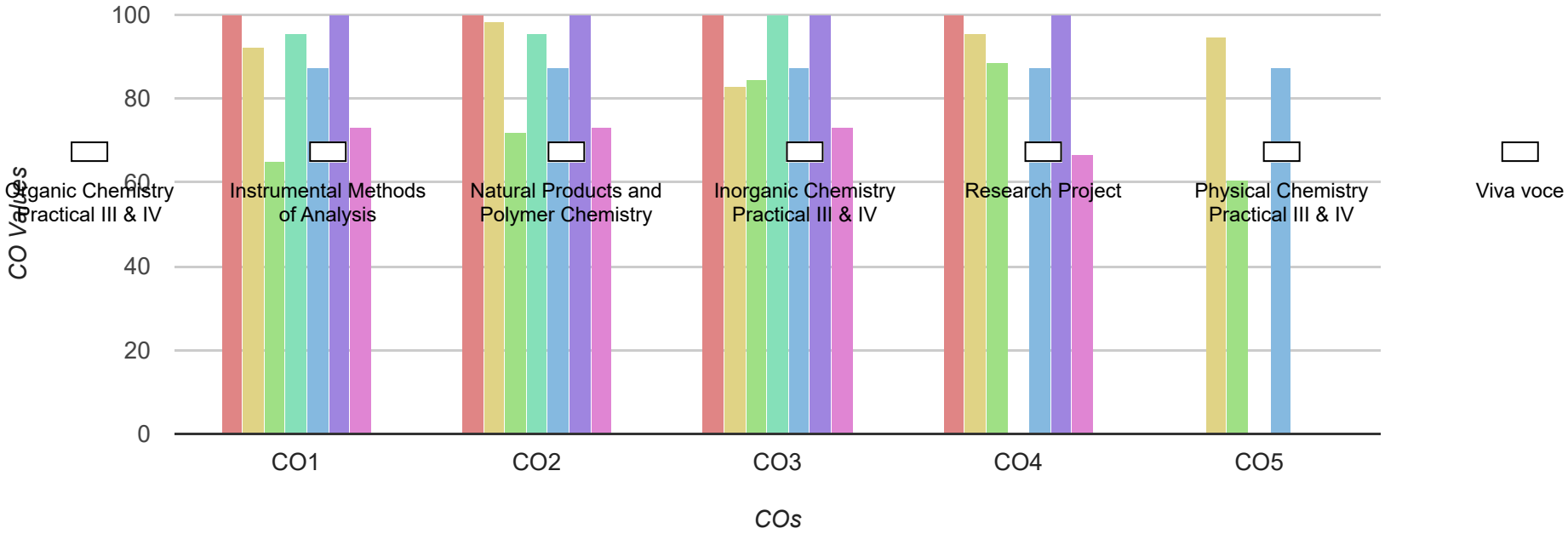
Inorganic Chemistry Practical
Organic Chemistry Practical
Physical Chemistry Practical
Group Theory and Chemical Bonding
Coordination Chemistry
Reaction Mechanism in Organic Chemistry
Electrochemistry, Solid-state Chemistry and Statistical Thermodynamics

SEMESTER 3 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Molecular Spectroscopy	**CC19PCHE3C09**	61.13	74.90	25.17	75.04		
Organometallic and Bioinorganic Chemistry	**CC19PCHE3C10**	57.45	87.26	71.32	67.81	66.51	
Reagents and Transformations in Organic Chemistry	**CC19PCHE3C11**	68.56	71.57	88.43	57.41	25.05	
Synthetic Organic Chemistry	**CC19PCHE3E01**	100.00	93.33	100.00	93.33	93.33	




Molecular Spectroscopy
Organometallic and Bioinorganic Chemistry
Reagents and Transformations in Organic Chemistry
Synthetic Organic Chemistry

SEMESTER 4 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Organic Chemistry Practical III & IV	**CC19PCHE3L08 & CC19PCHE4L11**	100.00	100.00	100.00	100.00		
Instrumental Methods of Analysis	**CC19PCHE4C12**	92.41	98.52	82.81	95.61	94.81	
Natural Products and Polymer Chemistry	**CC19PCHE4E06**	64.94	71.92	84.51	88.51	60.48	
Inorganic Chemistry Practical III & IV	**CC19PCHE3L07 & CC19PCHE4L10**	95.73	95.73	100.00			
Research Project	**CC19PCHE4P01**	87.45	87.45	87.45	87.45	87.45	
Physical Chemistry Practical III & IV	**CC19PCHE3L09 & CC19PCHE4L12**	100.00	100.00	100.00	100.00		
Viva voce	**CC19PCHE4V01**	73.28	73.28	73.28	66.61		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CO Values
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COs
Organic Chemistry Practical III & IV
Instrumental Methods of Analysis
Natural Products and Polymer Chemistry
Inorganic Chemistry Practical III & IV
Research Project
Physical Chemistry Practical III & IV
Viva voce

CHRIST COLLEGE (AUTONOMOUS)
IRINJALAKUDA.Kerala-680125
Reaccredited by NAAC with 'A++' grade

OBE CARD

Department:	CHEMISTRY
Program:	M.Sc. Chemistry
Batch:	MSC CHE SF 2022

Name:	JIYA SHAJU
Register No:	CCAWMCH022
Admission No:	28329
Entry Year:	2022
Exit Year:	2024

This report provides the evidence of OBE implementation in CHRIST COLLEGE (AUTONOMOUS), and the measurement of both direct and indirect assessment of students during the academic year 2022-2024

Program: M.Sc. Chemistry

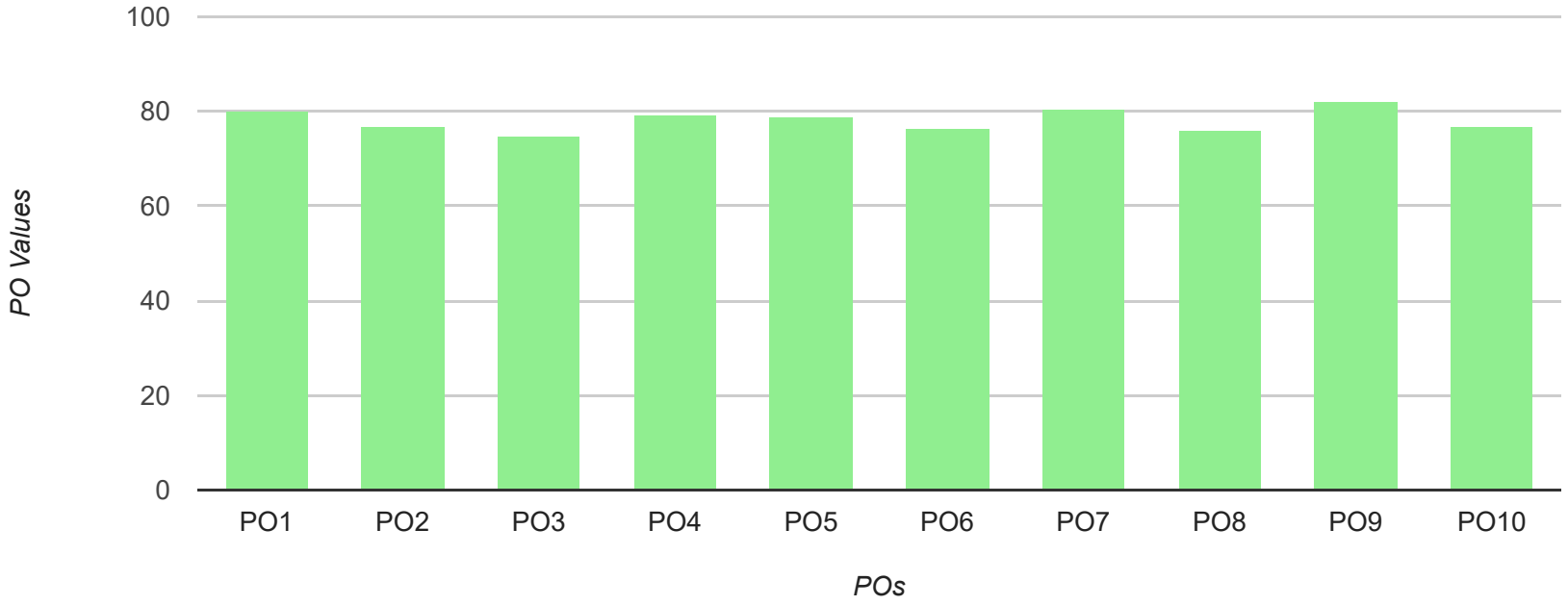
Program Outcome LIST

PO CODE	PO DESCRIPTION
PO1	Through knowledge in the chosen discipline
PO2	An aptitude for research
PO3	An independent and individual way of thinking and communicating ideas
PO4	The ability to access and utilize knowledge and information for personal and general good
PO5	The discretion to engage in academic work with academic integrity
PO6	To know how to function in multidisciplinary domains
PO7	A global perspective, facilitating appropriate interaction with people from various cultural, linguistic and religious backgrounds
PO8	Decision-making and reasoning ability to find solutions to ethical problems
PO9	A spirit of selfless service making him willing to serve the needy and the marginalized
PO10	A heightened awareness of environmental issues and necessity of solving them

Program Outcome Attainment

PROGRAM OUTCOME PERCENTAGE OF JIYA SHAJU										
PO CODE	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**

	80.28	76.86	74.77	79.27	79.05	76.38	80.40	76.18	82.26	76.98

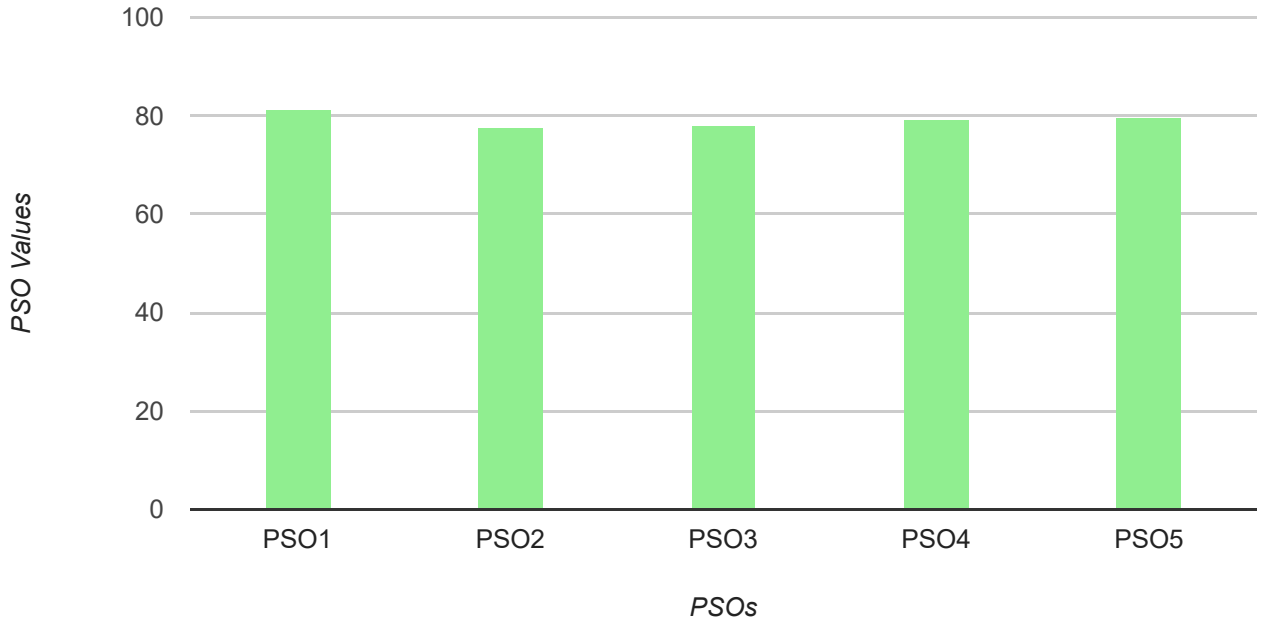


Program Specific Outcome LIST

PSO CODE	PSO DESCRIPTION
PSO1	To lay a strong foundation in the fundamentals and application of current chemical and scientific theories.
PSO2	Develops analytical skills and problem-solving skills requiring application of chemical principles.
PSO3	To enable the students to understand the importance of chemistry for addressing social, economic, and environmental problems.
PSO4	Learns about the potential uses of analytical chemistry, medicinal chemistry, and green chemistry
PSO5	To apply appropriate techniques for the qualitative and quantitative analysis of chemicals in laboratories and in industries for developing green chemistry approach towards planning and execution of research in frontier areas of chemical sciences.

Program Specific Outcome Attainment

PROGRAM SPECIFIC OUTCOME PERCENTAGE OF JIYA SHAJU					
PSO CODE	**PSO1**	**PSO2**	**PSO3**	**PSO4**	**PSO5**
	81.13	77.48	78.22	79.13	79.78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PSO Values
PSO1
PSO2
PSO3
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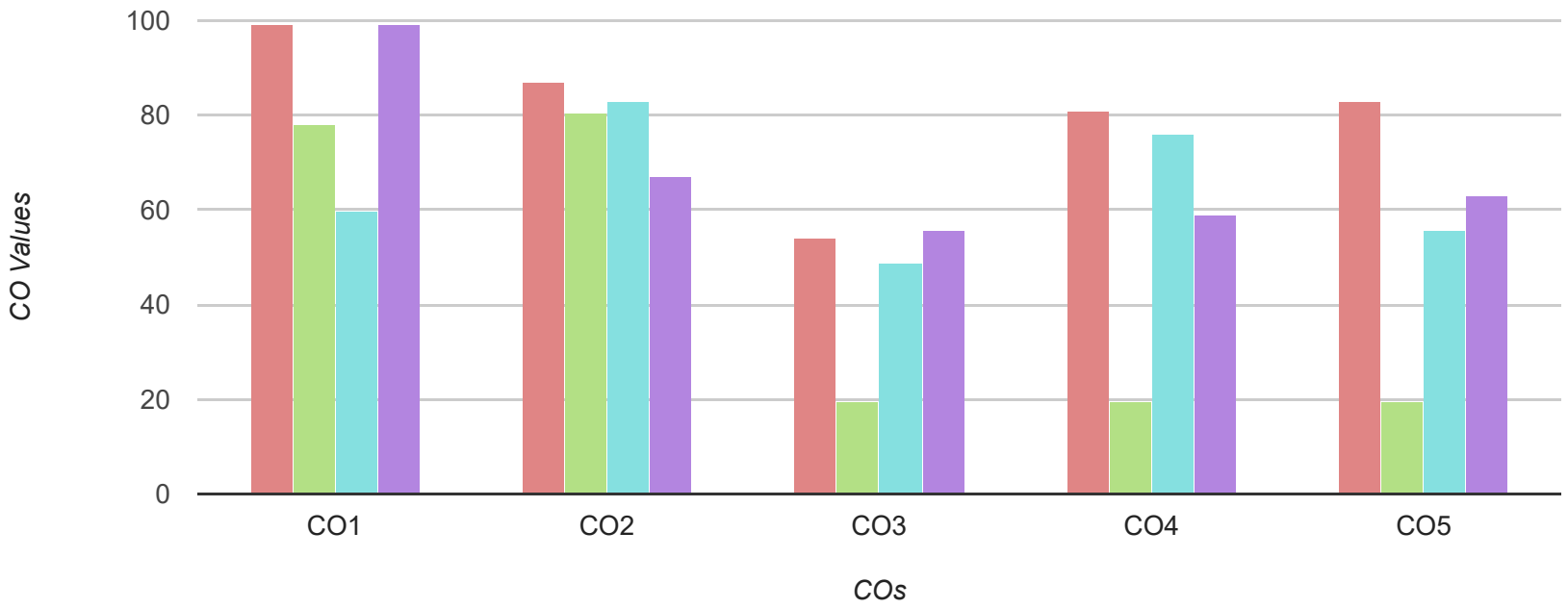
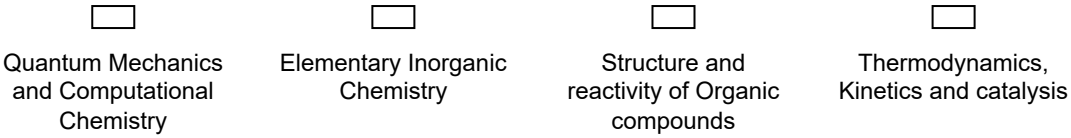
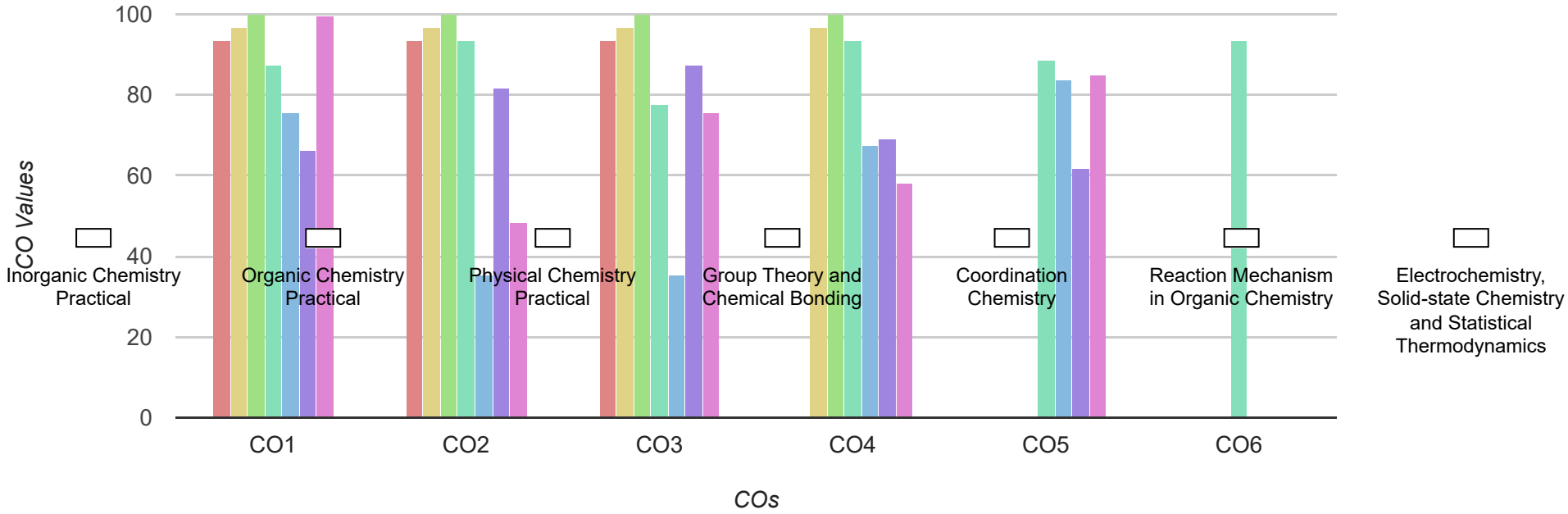
PSO5
PSOs

SEMESTER 1 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Quantum Mechanics and Computational Chemistry	**CC19PCHE1C01**	99.00	87.00	54.20	80.71	83.00	
Elementary Inorganic Chemistry	**CC19PCHE1C02**	78.07	80.58	19.40	19.40	19.40	
Structure and reactivity of Organic compounds	**CC19PCHE1C03**	59.88	82.88	48.68	75.88	55.88	
Thermodynamics, Kinetics and catalysis	**CC19PCHE1C04**	99.12	67.12	55.69	59.12	63.12	




Quantum Mechanics and Computational Chemistry
Elementary Inorganic Chemistry
Structure and reactivity of Organic compounds
Thermodynamics, Kinetics and catalysis

SEMESTER 2 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Inorganic Chemistry Practical	**CC19PCHE1L01 & CC19PCHE2L04**	93.33	93.33	93.33			
Organic Chemistry Practical	**CC19PCHE1L02 & CC19PCHE2L05**	96.59	96.59	96.59	96.59		
Physical Chemistry Practical	**CC19PCHE1L03 & CC19PCHE2L06**	100.00	100.00	100.00	100.00		
Group Theory and Chemical Bonding	**CC19PCHE2C05**	87.20	93.33	77.79	93.33	88.53	93.33
Coordination Chemistry	**CC19PCHE2C06**	75.47	35.36	35.36	67.36	83.72	
Reaction Mechanism in Organic Chemistry	**CC19PCHE2C07**	66.17	81.71	87.20	68.91	61.60	
Electrochemistry, Solid-state Chemistry and Statistical Thermodynamics	**CC19PCHE2C08**	99.68	48.48	75.68	58.08	85.05	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CO Values
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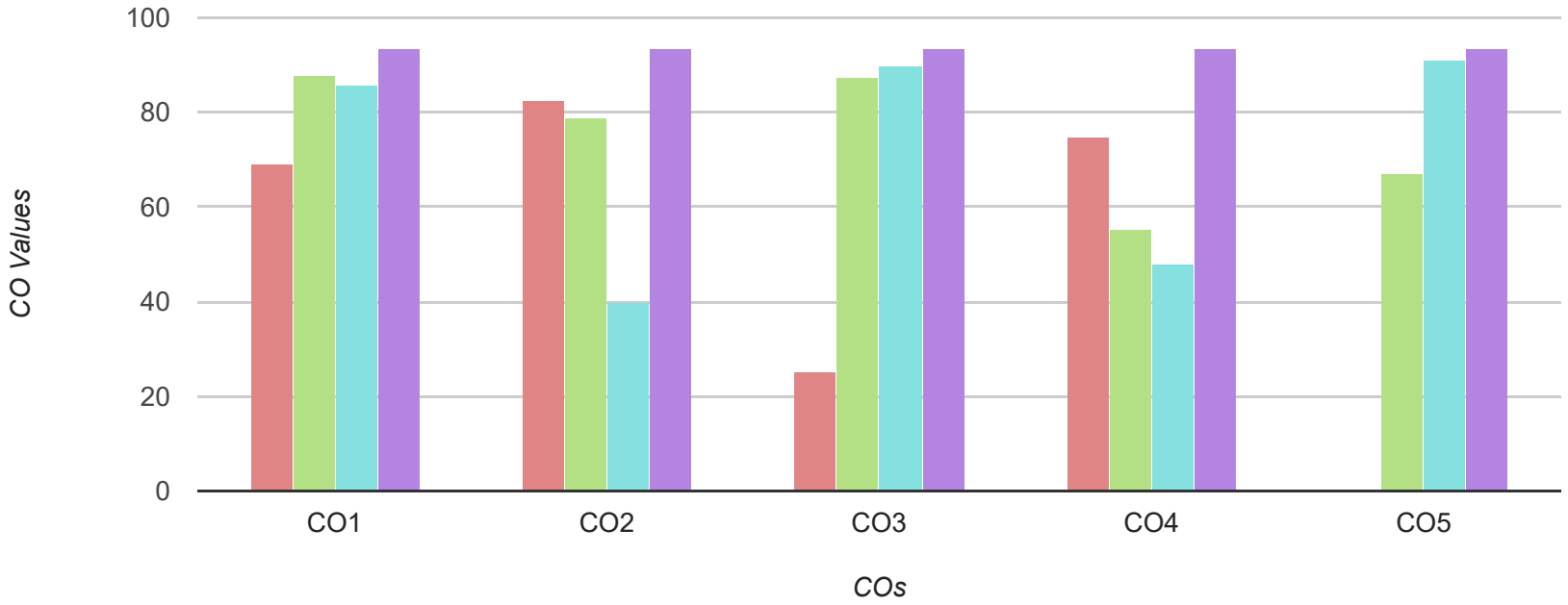
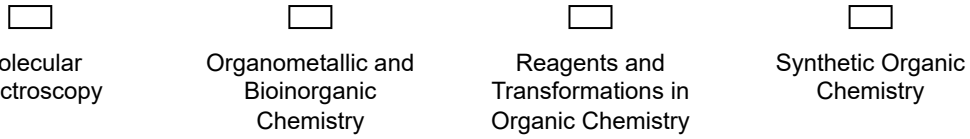
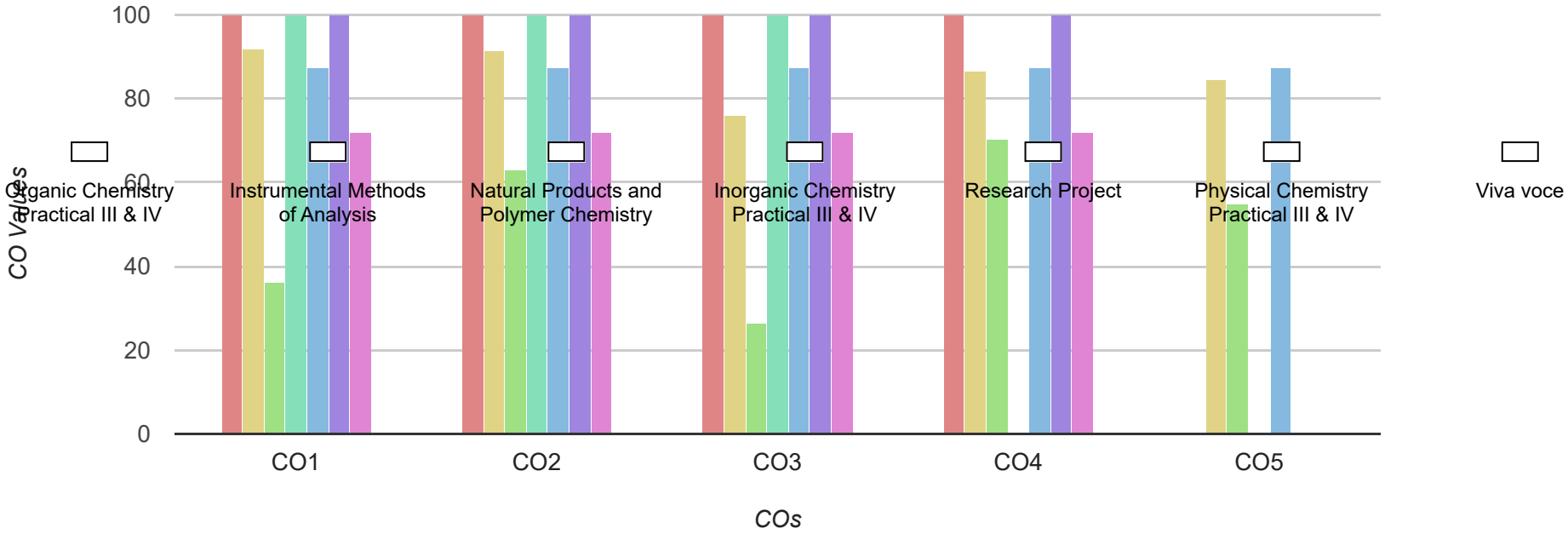
Inorganic Chemistry Practical
Organic Chemistry Practical
Physical Chemistry Practical
Group Theory and Chemical Bonding
Coordination Chemistry
Reaction Mechanism in Organic Chemistry
Electrochemistry, Solid-state Chemistry and Statistical Thermodynamics

SEMESTER 3 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Molecular Spectroscopy	**CC19PCHE3C09**	69.19	82.69	25.09	74.69		
Organometallic and Bioinorganic Chemistry	**CC19PCHE3C10**	87.94	78.94	87.51	55.48	67.13	
Reagents and Transformations in Organic Chemistry	**CC19PCHE3C11**	85.84	39.90	89.98	47.81	90.86	
Synthetic Organic Chemistry	**CC19PCHE3E01**	93.33	93.33	93.33	93.33	93.33	




Molecular Spectroscopy
Organometallic and Bioinorganic Chemistry
Reagents and Transformations in Organic Chemistry
Synthetic Organic Chemistry

SEMESTER 4 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Organic Chemistry Practical III & IV	**CC19PCHE3L08 & CC19PCHE4L11**	100.00	100.00	100.00	100.00		
Instrumental Methods of Analysis	**CC19PCHE4C12**	91.85	91.48	75.85	86.52	84.65	
Natural Products and Polymer Chemistry	**CC19PCHE4E06**	36.08	62.85	26.48	70.34	55.02	
Inorganic Chemistry Practical III & IV	**CC19PCHE3L07 & CC19PCHE4L10**	100.00	100.00	100.00			
Research Project	**CC19PCHE4P01**	87.45	87.45	87.45	87.45	87.45	
Physical Chemistry Practical III & IV	**CC19PCHE3L09 & CC19PCHE4L12**	100.00	100.00	100.00	100.00		
Viva voce	**CC19PCHE4V01**	72.05	72.05	72.05	72.05		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CO Values
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COs
Organic Chemistry Practical III & IV
Instrumental Methods of Analysis
Natural Products and Polymer Chemistry
Inorganic Chemistry Practical III & IV
Research Project
Physical Chemistry Practical III & IV
Viva voce

CHRIST COLLEGE (AUTONOMOUS)
IRINJALAKUDA.Kerala-680125
Reaccredited by NAAC with 'A++' grade

OBE CARD

Department:	CHEMISTRY
Program:	M.Sc. Chemistry
Batch:	MSC CHE SF 2022

Name:	APARNA P R
Register No:	CCAWMCH020
Admission No:	28327
Entry Year:	2022
Exit Year:	2024

This report provides the evidence of OBE implementation in CHRIST COLLEGE (AUTONOMOUS), and the measurement of both direct and indirect assessment of students during the academic year 2022-2024

Program: M.Sc. Chemistry

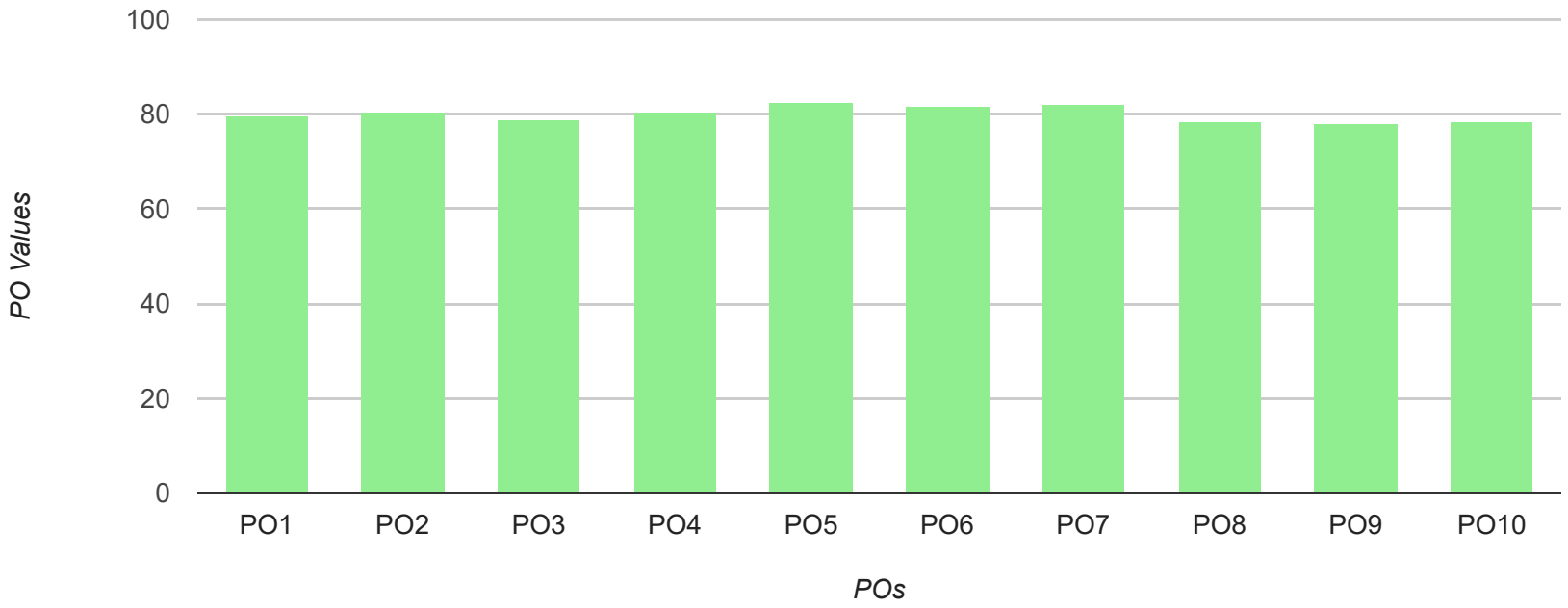
Program Outcome LIST

PO CODE	PO DESCRIPTION
PO1	Through knowledge in the chosen discipline
PO2	An aptitude for research
PO3	An independent and individual way of thinking and communicating ideas
PO4	The ability to access and utilize knowledge and information for personal and general good
PO5	The discretion to engage in academic work with academic integrity
PO6	To know how to function in multidisciplinary domains
PO7	A global perspective, facilitating appropriate interaction with people from various cultural, linguistic and religious backgrounds
PO8	Decision-making and reasoning ability to find solutions to ethical problems
PO9	A spirit of selfless service making him willing to serve the needy and the marginalized
PO10	A heightened awareness of environmental issues and necessity of solving them

Program Outcome Attainment

PROGRAM OUTCOME PERCENTAGE OF APARNA P R										
PO CODE	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**

	79.53	80.56	78.83	80.49	82.37	81.61	81.97	78.58	77.91	78.32

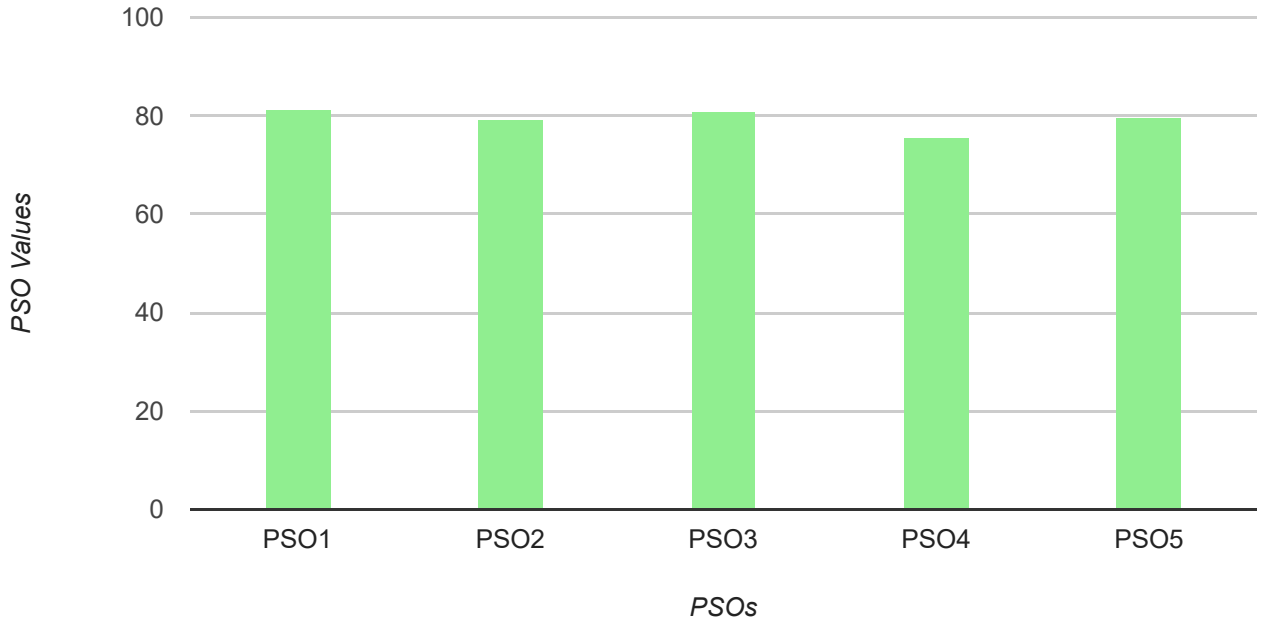


Program Specific Outcome LIST

PSO CODE	PSO DESCRIPTION
PSO1	To lay a strong foundation in the fundamentals and application of current chemical and scientific theories.
PSO2	Develops analytical skills and problem-solving skills requiring application of chemical principles.
PSO3	To enable the students to understand the importance of chemistry for addressing social, economic, and environmental problems.
PSO4	Learns about the potential uses of analytical chemistry, medicinal chemistry, and green chemistry
PSO5	To apply appropriate techniques for the qualitative and quantitative analysis of chemicals in laboratories and in industries for developing green chemistry approach towards planning and execution of research in frontier areas of chemical sciences.

Program Specific Outcome Attainment

PROGRAM SPECIFIC OUTCOME PERCENTAGE OF APARNA P R					
PSO CODE	**PSO1**	**PSO2**	**PSO3**	**PSO4**	**PSO5**
	81.35	79.47	81.02	75.60	79.57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PSO Values
PSO1
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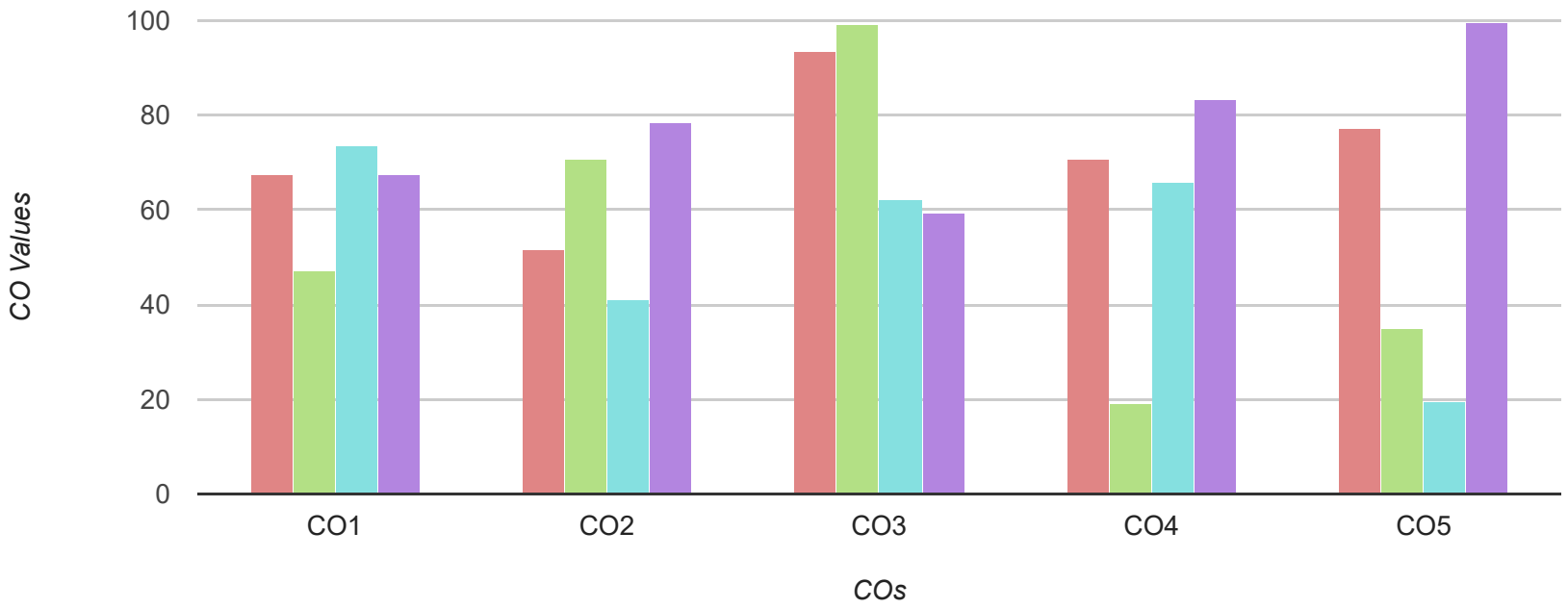
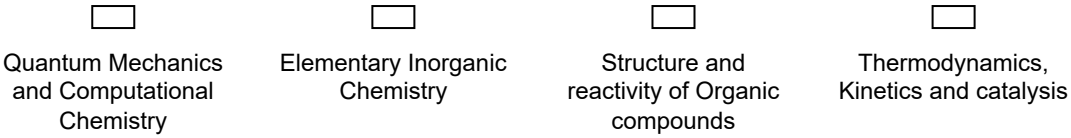
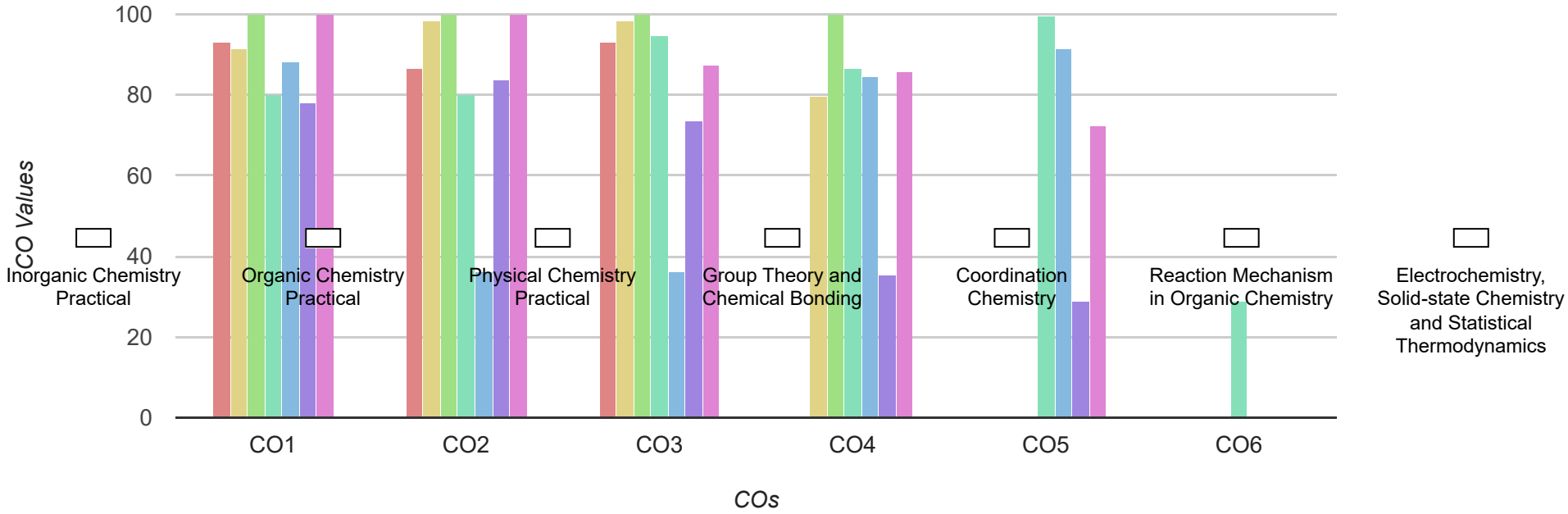
PSO3
PSO4
PSO5
PSOs

SEMESTER 1 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Quantum Mechanics and Computational Chemistry	**CC19PCHE1C01**	67.60	51.60	93.60	70.80	77.20	
Elementary Inorganic Chemistry	**CC19PCHE1C02**	47.04	70.73	99.04	19.04	35.04	
Structure and reactivity of Organic compounds	**CC19PCHE1C03**	73.76	41.18	62.03	66.03	19.36	
Thermodynamics, Kinetics and catalysis	**CC19PCHE1C04**	67.52	78.60	59.52	83.52	99.52	




Quantum Mechanics and Computational Chemistry
Elementary Inorganic Chemistry
Structure and reactivity of Organic compounds
Thermodynamics, Kinetics and catalysis

SEMESTER 2 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Inorganic Chemistry Practical	**CC19PCHE1L01 & CC19PCHE2L04**	93.17	86.51	93.17			
Organic Chemistry Practical	**CC19PCHE1L02 & CC19PCHE2L05**	91.63	98.29	98.29	79.63		
Physical Chemistry Practical	**CC19PCHE1L03 & CC19PCHE2L06**	100.00	100.00	100.00	100.00		
Group Theory and Chemical Bonding	**CC19PCHE2C05**	80.22	79.96	94.85	86.62	99.42	28.76
Coordination Chemistry	**CC19PCHE2C06**	88.21	36.00	36.00	84.64	91.47	
Reaction Mechanism in Organic Chemistry	**CC19PCHE2C07**	78.03	83.55	73.76	35.36	28.69	
Electrochemistry, Solid-state Chemistry and Statistical Thermodynamics	**CC19PCHE2C08**	100.00	100.00	87.20	85.78	72.30	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CO Values
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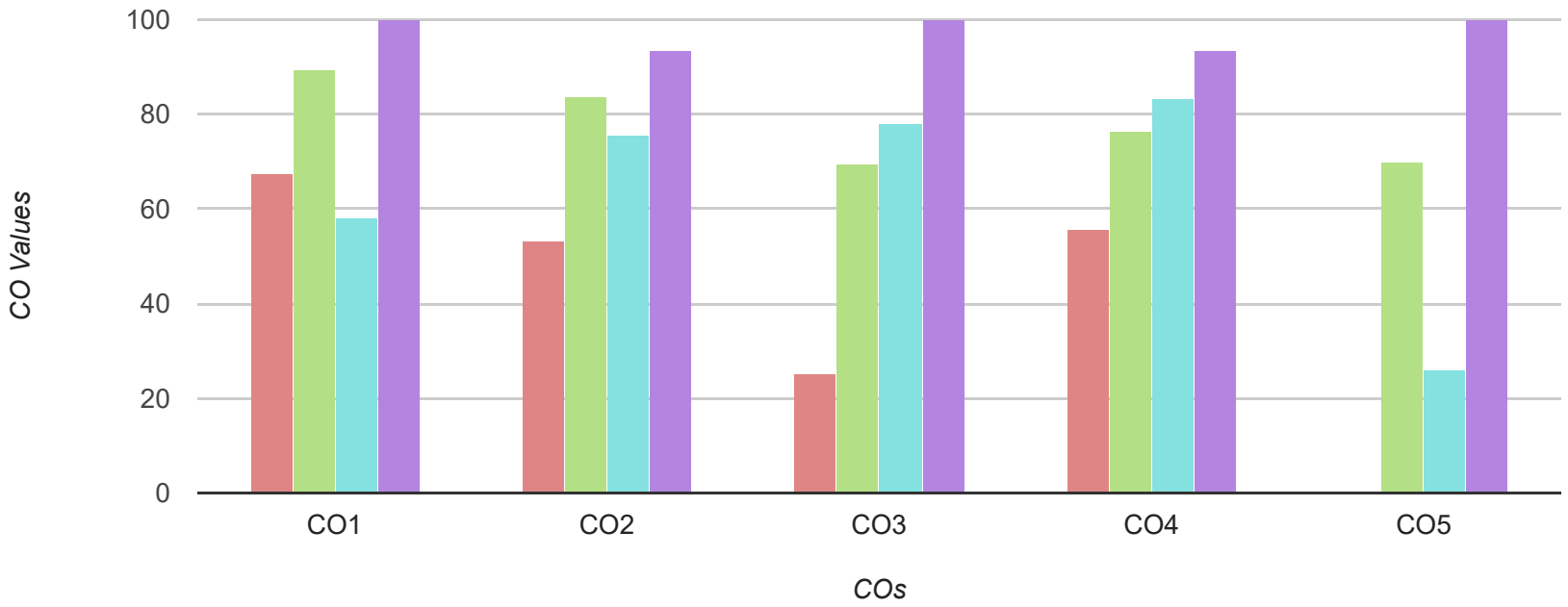
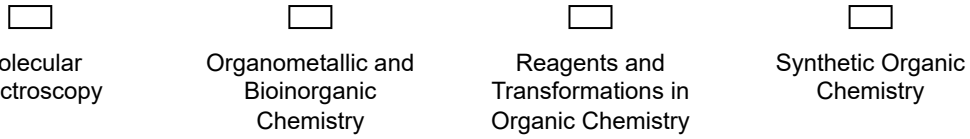
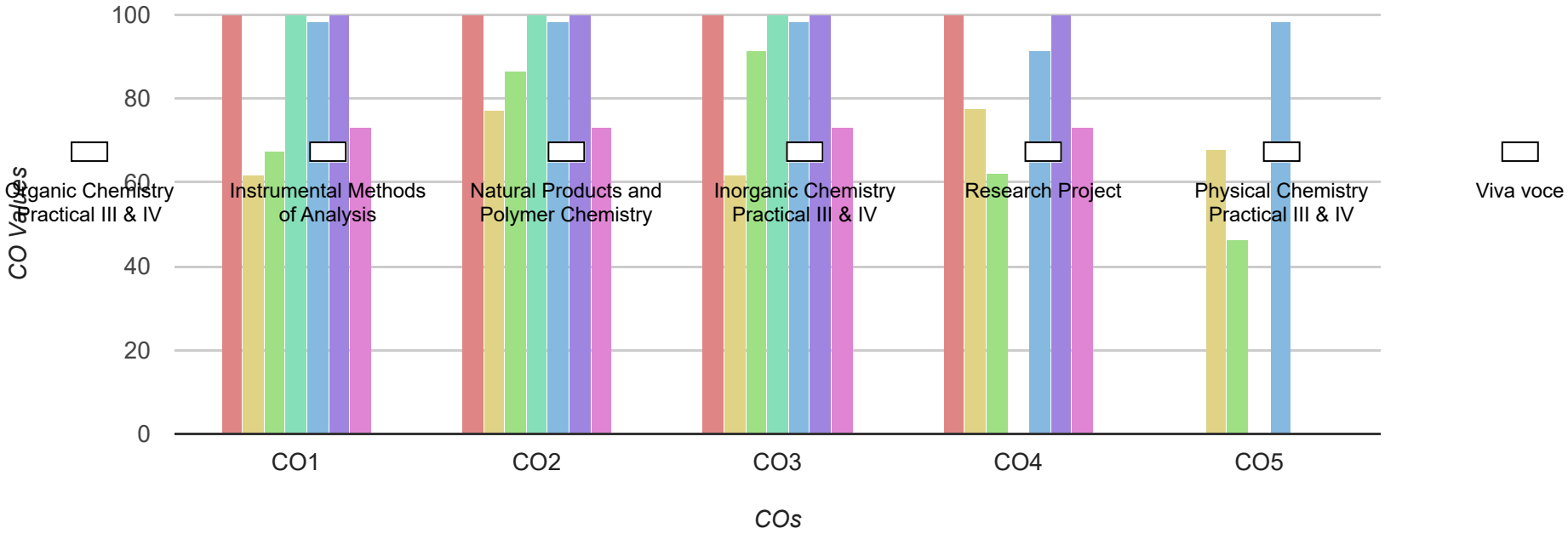
Inorganic Chemistry Practical
Organic Chemistry Practical
Physical Chemistry Practical
Group Theory and Chemical Bonding
Coordination Chemistry
Reaction Mechanism in Organic Chemistry
Electrochemistry, Solid-state Chemistry and Statistical Thermodynamics

SEMESTER 3 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Molecular Spectroscopy	**CC19PCHE3C09**	67.67	53.44	25.17	55.89		
Organometallic and Bioinorganic Chemistry	**CC19PCHE3C10**	89.44	83.65	69.64	76.39	69.88	
Reagents and Transformations in Organic Chemistry	**CC19PCHE3C11**	58.31	75.63	77.96	83.52	25.94	
Synthetic Organic Chemistry	**CC19PCHE3E01**	100.00	93.33	100.00	93.33	100.00	




Molecular Spectroscopy
Organometallic and Bioinorganic Chemistry
Reagents and Transformations in Organic Chemistry
Synthetic Organic Chemistry

SEMESTER 4 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Organic Chemistry Practical III & IV	**CC19PCHE3L08 & CC19PCHE4L11**	100.00	100.00	100.00	100.00		
Instrumental Methods of Analysis	**CC19PCHE4C12**	61.63	77.04	61.63	77.63	68.03	
Natural Products and Polymer Chemistry	**CC19PCHE4E06**	67.59	86.71	91.65	62.28	46.41	
Inorganic Chemistry Practical III & IV	**CC19PCHE3L07 & CC19PCHE4L10**	100.00	100.00	100.00			
Research Project	**CC19PCHE4P01**	98.21	98.21	98.21	91.54	98.21	
Physical Chemistry Practical III & IV	**CC19PCHE3L09 & CC19PCHE4L12**	100.00	100.00	100.00	100.00		
Viva voce	**CC19PCHE4V01**	73.28	73.28	73.28	73.28		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CO Values
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Organic Chemistry Practical III & IV
Instrumental Methods of Analysis
Natural Products and Polymer Chemistry
Inorganic Chemistry Practical III & IV
Research Project
Physical Chemistry Practical III & IV
Viva voce

CHRIST COLLEGE (AUTONOMOUS)
IRINJALAKUDA.Kerala-680125
Reaccredited by NAAC with 'A++' grade

OBE CARD

Department:	CHEMISTRY
Program:	M.Sc. Chemistry
Batch:	MSC CHE SF 2022

Name:	KEERTHANA SURESH
Register No:	CCAWMCH023
Admission No:	28330
Entry Year:	2022
Exit Year:	2024

This report provides the evidence of OBE implementation in CHRIST COLLEGE (AUTONOMOUS), and the measurement of both direct and indirect assessment of students during the academic year 2022-2024

Program: M.Sc. Chemistry

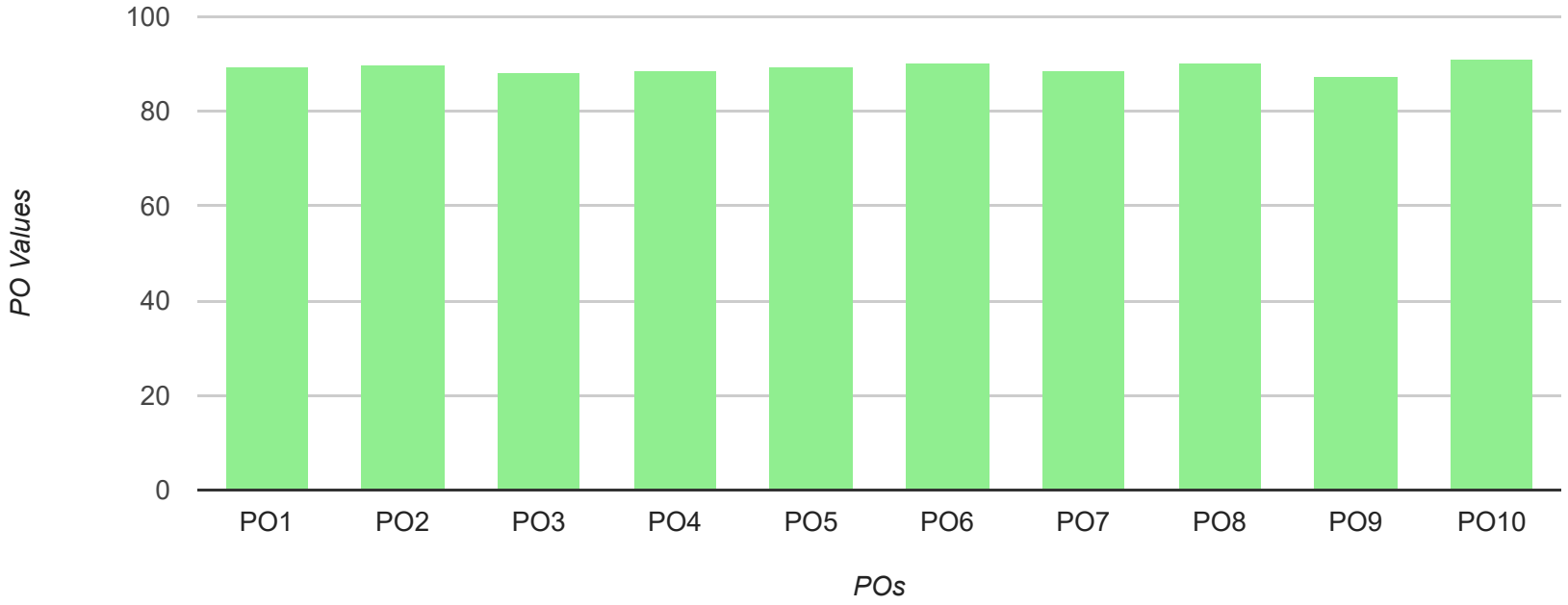
Program Outcome LIST

PO CODE	PO DESCRIPTION
PO1	Through knowledge in the chosen discipline
PO2	An aptitude for research
PO3	An independent and individual way of thinking and communicating ideas
PO4	The ability to access and utilize knowledge and information for personal and general good
PO5	The discretion to engage in academic work with academic integrity
PO6	To know how to function in multidisciplinary domains
PO7	A global perspective, facilitating appropriate interaction with people from various cultural, linguistic and religious backgrounds
PO8	Decision-making and reasoning ability to find solutions to ethical problems
PO9	A spirit of selfless service making him willing to serve the needy and the marginalized
PO10	A heightened awareness of environmental issues and necessity of solving them

Program Outcome Attainment

PROGRAM OUTCOME PERCENTAGE OF KEERTHANA SURESH										
PO CODE	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**

	89.63	89.77	88.13	88.82	89.56	90.42	88.78	90.39	87.44	91.22

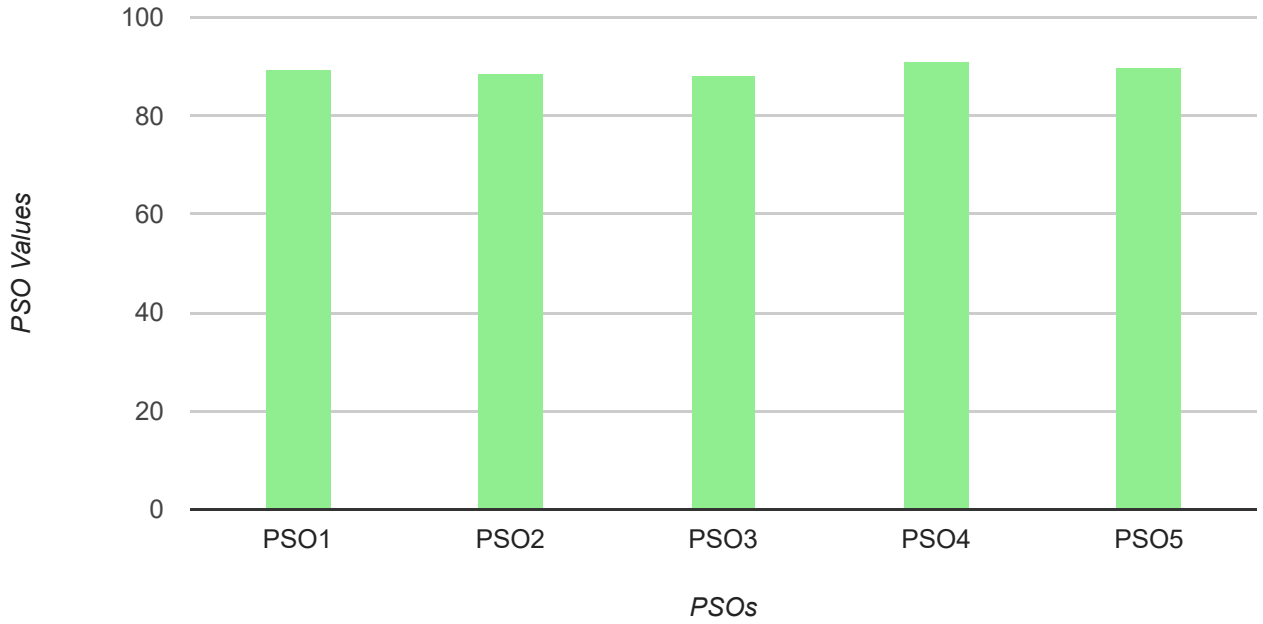


Program Specific Outcome LIST

PSO CODE	PSO DESCRIPTION
PSO1	To lay a strong foundation in the fundamentals and application of current chemical and scientific theories.
PSO2	Develops analytical skills and problem-solving skills requiring application of chemical principles.
PSO3	To enable the students to understand the importance of chemistry for addressing social, economic, and environmental problems.
PSO4	Learns about the potential uses of analytical chemistry, medicinal chemistry, and green chemistry
PSO5	To apply appropriate techniques for the qualitative and quantitative analysis of chemicals in laboratories and in industries for developing green chemistry approach towards planning and execution of research in frontier areas of chemical sciences.

Program Specific Outcome Attainment

PROGRAM SPECIFIC OUTCOME PERCENTAGE OF KEERTHANA SURESH					
PSO CODE	**PSO1**	**PSO2**	**PSO3**	**PSO4**	**PSO5**
	89.40	88.57	88.27	90.95	89.86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PSO Values
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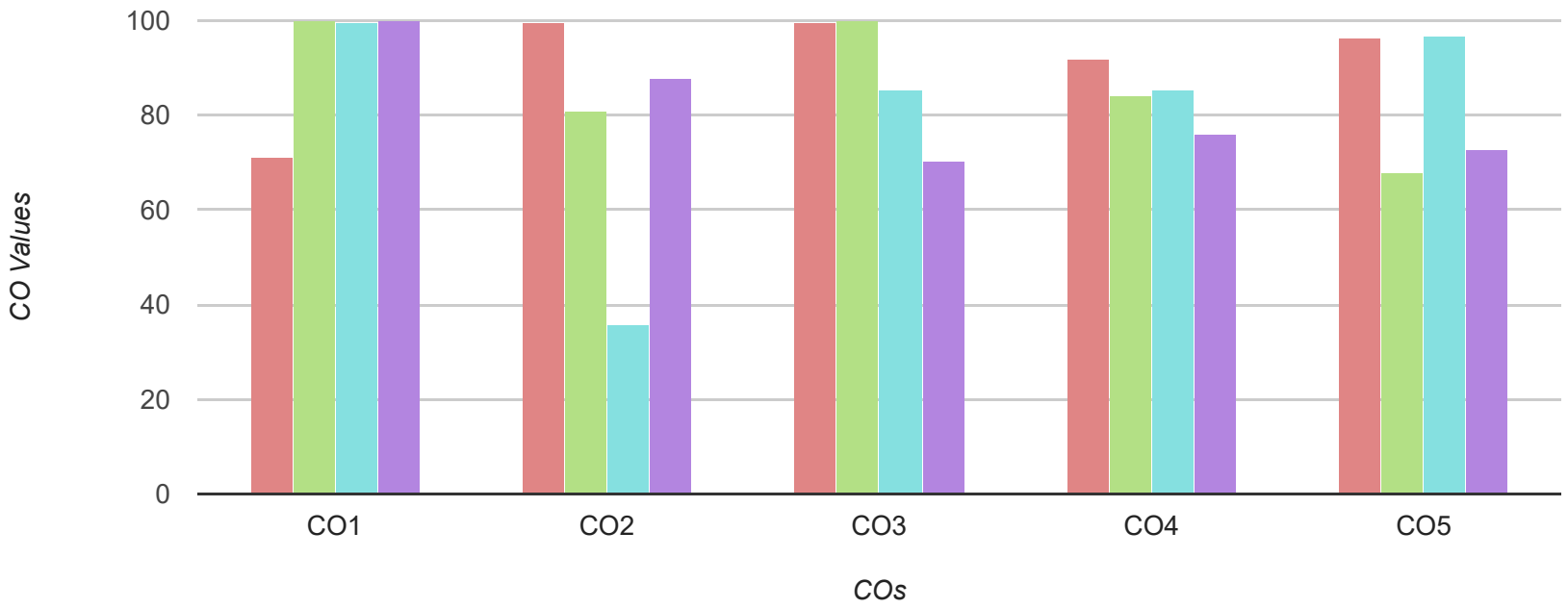
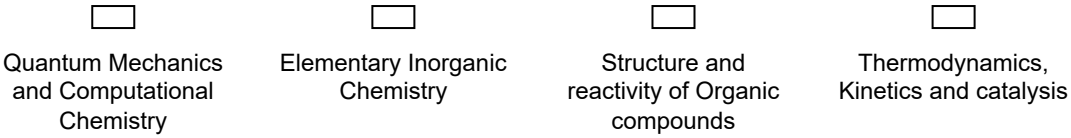
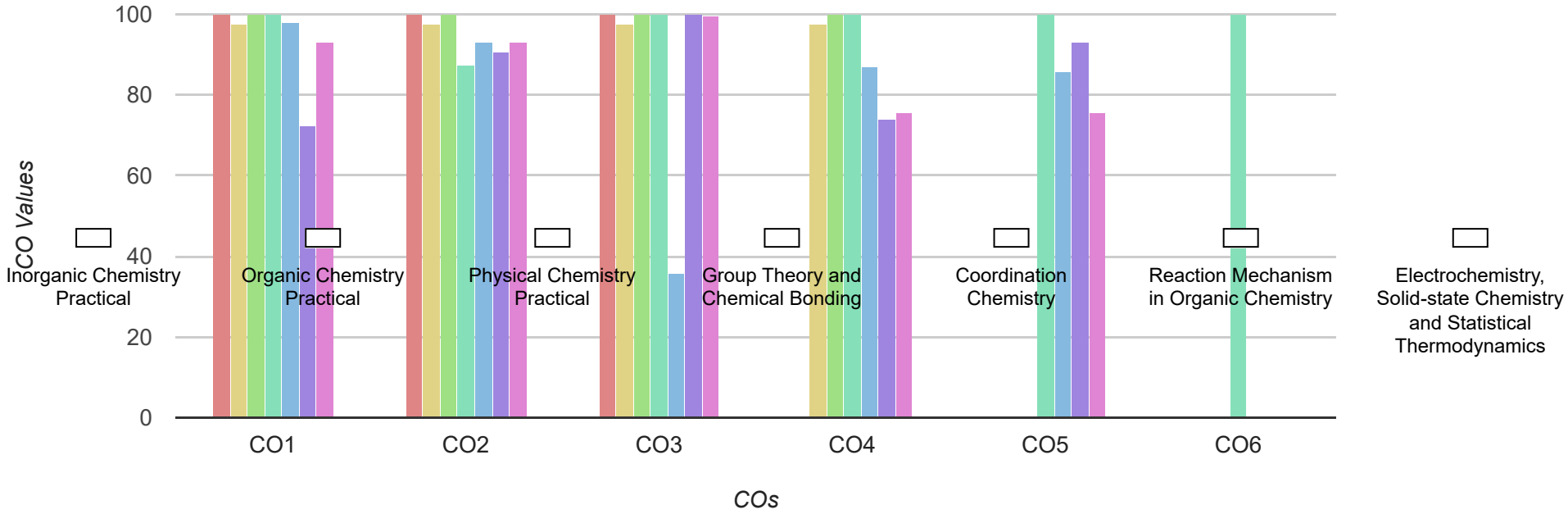
PSO5
PSOs

SEMESTER 1 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Quantum Mechanics and Computational Chemistry	**CC19PCHE1C01**	71.32	99.76	99.76	91.76	96.20	
Elementary Inorganic Chemistry	**CC19PCHE1C02**	100.00	81.00	100.00	84.00	68.00	
Structure and reactivity of Organic compounds	**CC19PCHE1C03**	99.76	35.76	85.36	85.21	96.56	
Thermodynamics, Kinetics and catalysis	**CC19PCHE1C04**	100.00	88.00	70.29	76.00	72.92	




Quantum Mechanics and Computational Chemistry
Elementary Inorganic Chemistry
Structure and reactivity of Organic compounds
Thermodynamics, Kinetics and catalysis

SEMESTER 2 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Inorganic Chemistry Practical	**CC19PCHE1L01 & CC19PCHE2L04**	100.00	100.00	100.00			
Organic Chemistry Practical	**CC19PCHE1L02 & CC19PCHE2L05**	97.44	97.44	97.44	97.44		
Physical Chemistry Practical	**CC19PCHE1L03 & CC19PCHE2L06**	100.00	100.00	100.00	100.00		
Group Theory and Chemical Bonding	**CC19PCHE2C05**	100.00	87.20	100.00	100.00	100.00	100.00
Coordination Chemistry	**CC19PCHE2C06**	98.11	93.27	35.94	87.14	85.71	
Reaction Mechanism in Organic Chemistry	**CC19PCHE2C07**	72.41	90.70	99.84	73.97	93.17	
Electrochemistry, Solid-state Chemistry and Statistical Thermodynamics	**CC19PCHE2C08**	93.08	93.08	99.74	75.74	75.62	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CO Values
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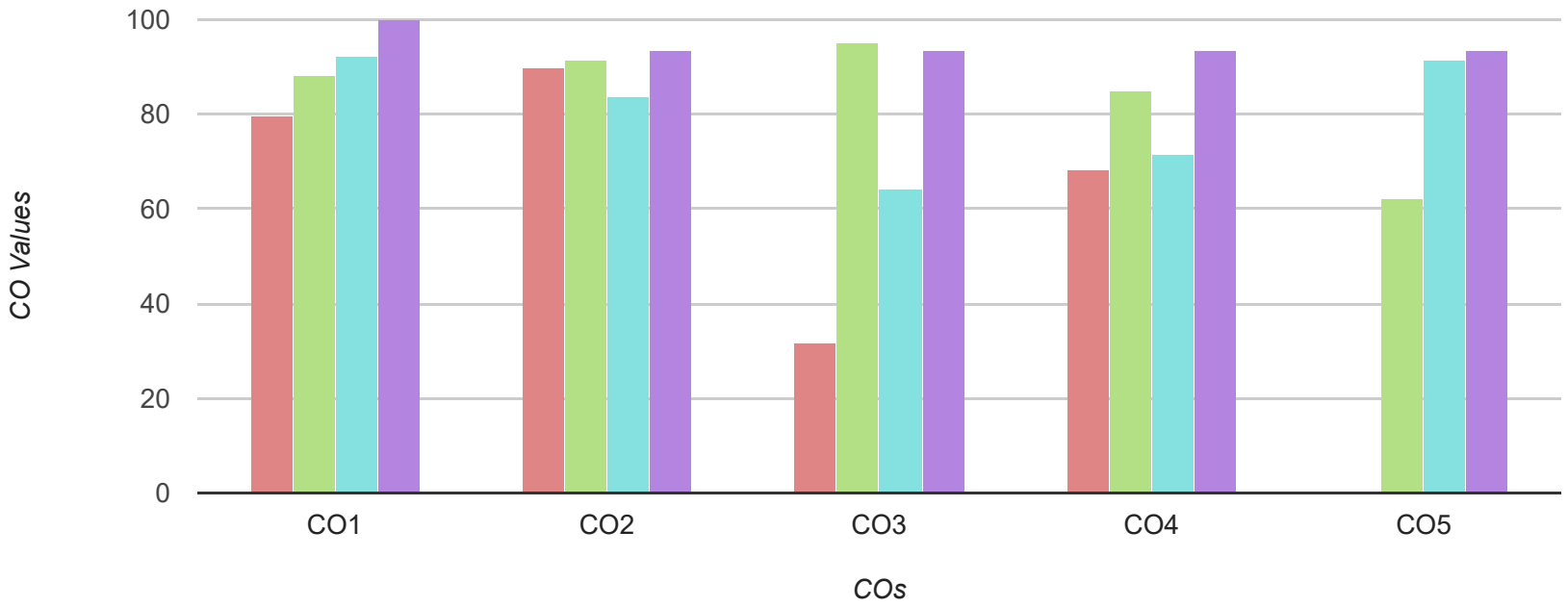
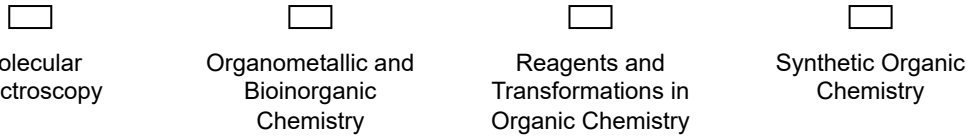
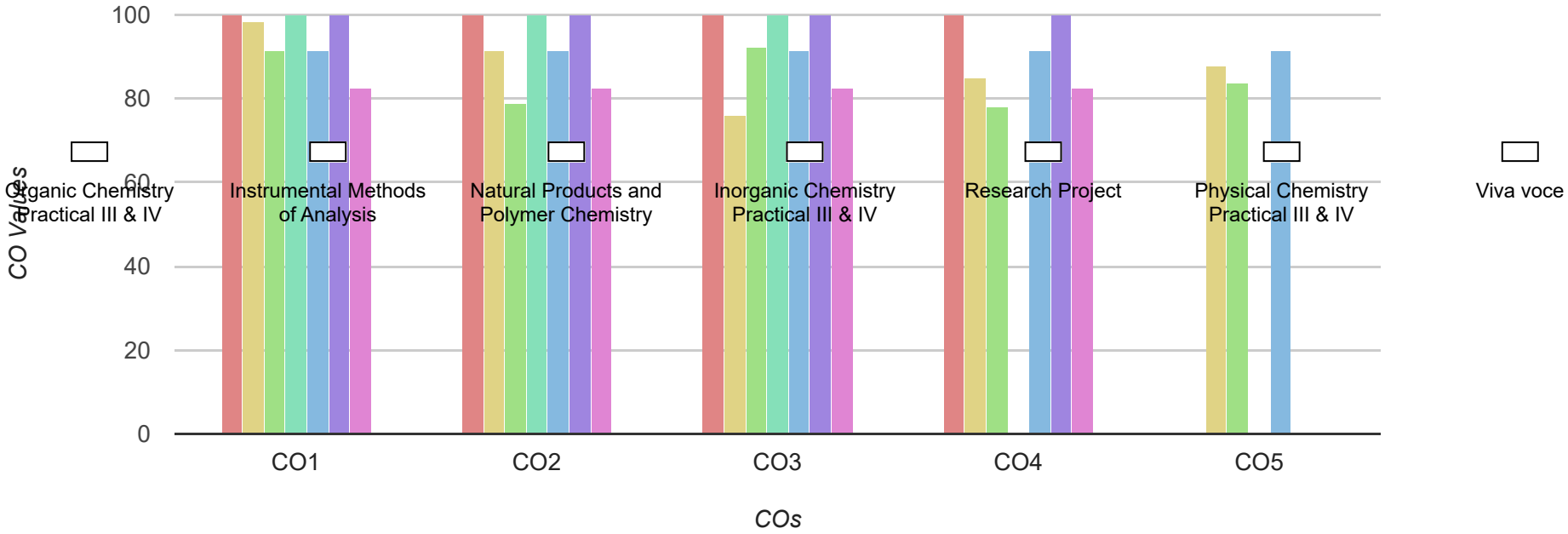
Inorganic Chemistry Practical
Organic Chemistry Practical
Physical Chemistry Practical
Group Theory and Chemical Bonding
Coordination Chemistry
Reaction Mechanism in Organic Chemistry
Electrochemistry, Solid-state Chemistry and Statistical Thermodynamics

SEMESTER 3 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Molecular Spectroscopy	**CC19PCHE3C09**	79.68	89.81	31.67	68.47		
Organometallic and Bioinorganic Chemistry	**CC19PCHE3C10**	88.19	91.51	95.06	85.05	62.07	
Reagents and Transformations in Organic Chemistry	**CC19PCHE3C11**	92.40	83.57	64.23	71.73	91.35	
Synthetic Organic Chemistry	**CC19PCHE3E01**	100.00	93.33	93.33	93.33	93.33	




Molecular Spectroscopy
Organometallic and Bioinorganic Chemistry
Reagents and Transformations in Organic Chemistry
Synthetic Organic Chemistry

SEMESTER 4 - COURSE WISE COURSE OUTCOME PERCENTAGE							
Course Name	**Course Code**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**	**CO6**
Organic Chemistry Practical III & IV	**CC19PCHE3L08 & CC19PCHE4L11**	100.00	100.00	100.00	100.00		
Instrumental Methods of Analysis	**CC19PCHE4C12**	98.52	91.48	75.85	84.92	87.85	
Natural Products and Polymer Chemistry	**CC19PCHE4E06**	91.30	79.01	92.32	78.21	83.54	
Inorganic Chemistry Practical III & IV	**CC19PCHE3L07 & CC19PCHE4L10**	100.00	100.00	100.00			
Research Project	**CC19PCHE4P01**	91.54	91.54	91.54	91.54	91.54	
Physical Chemistry Practical III & IV	**CC19PCHE3L09 & CC19PCHE4L12**	100.00	100.00	100.00	100.00		
Viva voce	**CC19PCHE4V01**	82.61	82.61	82.61	82.61		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CO Values
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Natural Products and Polymer Chemistry
Inorganic Chemistry Practical III & IV
Research Project
Physical Chemistry Practical III & IV
Viva voce