

# OUTCOME ATTAINMENT REPORT

ADMISSION YEAR: 2019

## MSC CHEMISTRY

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## 2019 M.Sc. Chemistry - Aided / Second / 2019 / CHE2C05 : Group Theory And Chemical Bonding

Course Outcomes	Components	Summary	PO Mapping	PSO Mapping	Grade	Attainment	
1	CHE2C05.1	Imagine molecule in 3-D, describe the concept of symmetry elements and symmetry operations.	3	2		3	
2	CHE2C05.2	Examine the point groups of molecules and apply symmetry considerations for optical activity and dipole moment.	3	2	2	3	
3	CHE2C05.3	Describe and demonstrate the group multiplication table, character table and representations of group.	3	3	3	3	
4	CHE2C05.4	Apply the projection operator for constructing SALCs	3	3		2	3
5	CHE2C05.5	Integrate the application of symmetry to spectroscopy and find IR and Raman mode of vibration.	3	3	3	2	3

## 2019 M.Sc. Chemistry - Aided / Second / 2019 / CHE2C05 : Group Theory And Chemical Bonding

Course Outcomes	Components	Summary	PO Mapping	PSO Mapping	Grade	Attainment	
SL.	Code	Course Outcome		PSO.1	PSO.2	PSO.3	PSO.4
1	CHE2C05.1	Imagine molecule in 3-D, describe the concept of symmetry elements and symmetry operations.		3	2		2
2	CHE2C05.2	Examine the point groups of molecules and apply symmetry considerations for optical activity and dipole moment.		3	3		3
3	CHE2C05.3	Describe and demonstrate the group multiplication table, character table and representations of group.		3	3		
4	CHE2C05.4	Apply the projection operator for constructing SALCs		3	3		
5	CHE2C05.5	Integrate the application of symmetry to spectroscopy and find IR and Raman mode of vibration.		3	3		3

OUTCOME ATTAINMENT CONSOLIDATED REPORT

**CHRIST COLLEGE**  
**Consolidation Report**

Name: AMRUTHA ANTONY ( CCATMCH001 )

Batch: M.Sc. Chemistry - Aided

Year: 2019

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PO Consolidation

SL.	Code	Outcome	Atti.
1	PO.1	A thorough knowledge in the chosen discipline	0.89
2	PO.2	An aptitude for research	0.89
3	PO.3	An independent and individual way of thinking and communicating ideas	0.82
4	PO.4	The ability to access and utilize knowledge and information for personal and general good	0.37
5	PO.5	The discretion to engage in academic work with academic integrity	0.35
6	PO.6	The knowhow to function in multidisciplinary domains	0.48
7	PO.7	A global perspective, facilitating appropriate interaction with people from various cultural, linguistic and religious backgrounds	0.31
8	PO.8	Decision-making and reasoning ability to find solutions to ethical problems	0.41
9	PO.9	A spirit of selfless service making him willing to serve the needy and the marginalized	0.26
10	PO.10	A heightened awareness of environmental issues and necessity of solving them	0.56

PSO Consolidation

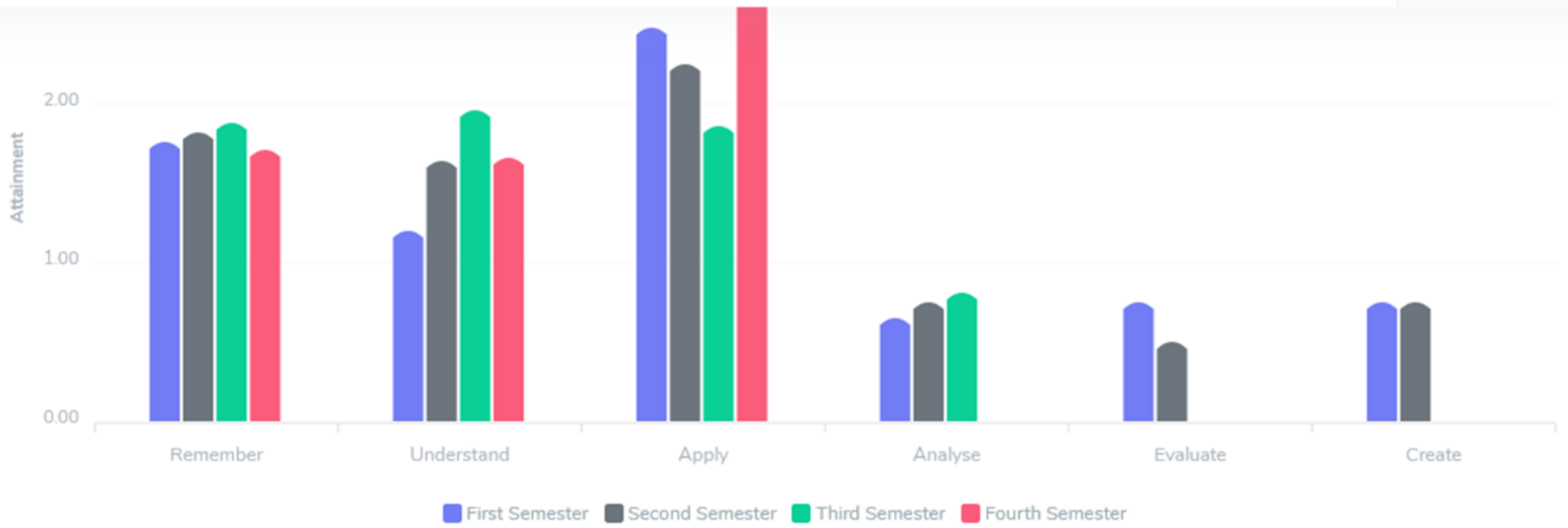
SL.	Code	Outcome	Atti.
1	PSO.1	To lay a strong foundation in the fundamentals and application of current chemical and scientific theories.	1.77
2	PSO.2	To develop analytical skills and problem-solving skills requiring application of chemical principles.	1.38
3	PSO.3	To apply the importance of chemistry for addressing social, industrial, economic, and environmental problems.	1.54
4	PSO.4	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.	1.3

AMRUTHA ANTONY > Next : ANAYA YOHANNAN

TAXONOMY ATTAINMENT

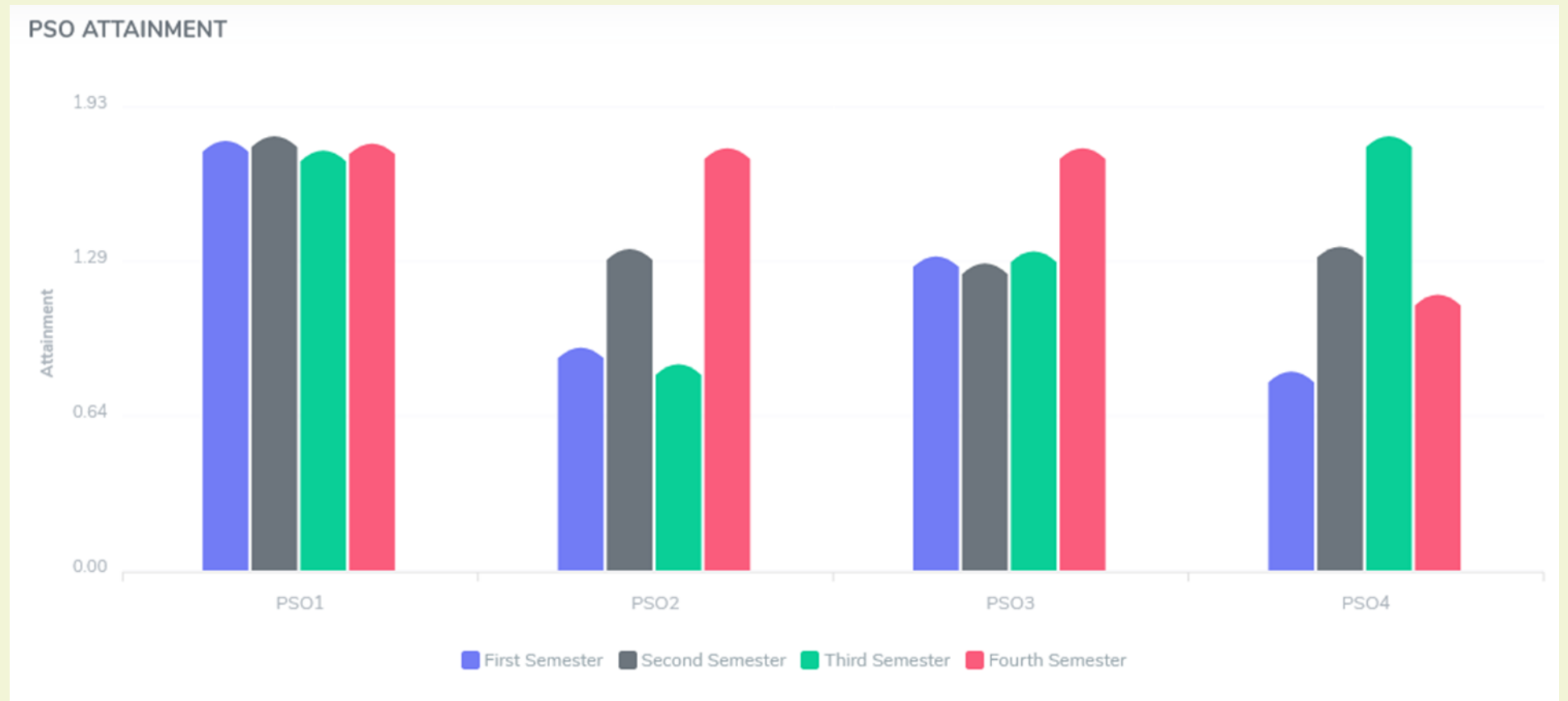


Joy VT  
Chemistry



## PO ATTAINMENT REPORT







# CO ATTAINMENT REPORT PROGRAMME

## CO ATTAINMENT REPORT

2019 M.Sc. Chemistry - Aided / Second / 2019 / CHE2C05 : Group Theory And Chemical Bonding

Course Outcomes	Components	Summary	PO Mapping	PSO Mapping	Grade	Attainment	Report				
Course Outcome	Taxonomy	PO	PSO	Calibrate							
SL	Students	CO.1	AVG	CO.2	AVG	CO.3	AVG	CO.4	AVG	CO.5	AVG
1	CCATMCH001 AMRUTHA ANTONY	1.93	1.85	1.90	1.71	1.77	1.85	1.50	1.91	1.50	1.81
2	CCATMCH002 ANAYA YOHANNAN	1.97	1.85	1.70	1.71	1.90	1.85	1.90	1.91	2.00	1.81
3	CCATMCH003 ANJU MARIA SYMON	1.83	1.85	1.70	1.71	1.92	1.85	1.70	1.91	1.80	1.81
4	CCATMCH004 ARDRA.N.R.	1.73	1.85	1.57	1.71	1.83	1.85	2.10	1.91	2.00	1.81
  <span>Joy VT Chemistry</span>											
7	CCATMCH007 DEEPA T A	1.83	1.85	1.90	1.71	1.92	1.85	1.50	1.91	1.90	1.81
8	CCATMCH008 KRISHNA SREENIVASAN	1.90	1.85	1.57	1.71	1.86	1.85	1.50	1.91	1.90	1.81
9	CCATMCH009 MARY SHERIN THOMAS	1.90	1.85	1.77	1.71	1.88	1.85	2.10	1.91	1.80	1.81
10	CCATMCH010 NAHLA	1.77	1.85	1.90	1.71	1.90	1.85	2.10	1.91	1.80	1.81
11	CCATMCH011 NILA C M	1.80	1.85	1.83	1.71	1.79	1.85	2.10	1.91	1.80	1.81
12	CCATMCH012 SANDRA FRANCIS	1.80	1.85	1.70	1.71	1.77	1.85	2.10	1.91	1.80	1.81
13	CCATMCH013 SHERIN C RAPPAI	2.00	1.85	1.50	1.71	1.83	1.85	2.10	1.91	1.90	1.81
14	CCATMCH014 SREEDEVI RAMESH	1.90	1.85	1.57	1.71	1.88	1.85	2.10	1.91	2.10	1.81
15	CCATMCH015 SREELAKSHMI P V	1.90	1.85	1.63	1.71	1.83	1.85	2.10	1.91	1.80	1.81
16	CCATMCH016 TEENA A S	1.73	1.85	1.50	1.71	1.86	1.85	2.10	1.91	1.50	1.81



## % CO ATTAINMENT

### 2019 M.Sc. Chemistry - Aided / Second / 2019 / CHE2C05 : Group Theory And Chemical Bonding

Course Outcomes	Components	Summary	PO Mapping	PSO Mapping	Grade	Attainment	Report
SL	Students		CO.1	CO.2	CO.3	CO.4	CO.5
		Target	60.00%	60.00%	60.00%	60.00%	60.00%
		Percentage Attainment	56.25%	31.25%	81.25%	68.75%	37.50%
1	CCATMCH001 AMRUTHA ANTONY		1.93	1.90	1.77	1.50	1.50
2	CCATMCH002 ANAYA YOHANNAN		1.97	1.70	1.90	1.90	2.00
3	CCATMCH003 ANJU MARIA SYMON		1.83	1.70	1.92	1.70	1.80
6	CCATMCH006 ATHIRA. C.S		1.80	1.90	1.86	1.50	1.80
7	CCATMCH007 DEEPA T A		1.83	1.90	1.92	1.50	1.90
8	CCATMCH008 KRISHNA SREENIVASAN		1.90	1.57	1.86	1.50	1.90
9	CCATMCH009 MARY SHERIN THOMAS		1.90	1.77	1.88	2.10	1.80
10	CCATMCH010 NAHLA		1.77	1.90	1.90	2.10	1.80
11	CCATMCH011 NILA C M		1.80	1.83	1.79	2.10	1.80
12	CCATMCH012 SANDRA FRANCIS		1.80	1.70	1.77	2.10	1.80
13	CCATMCH013 SHERIN C RAPPAL		2.00	1.50	1.83	2.10	1.90
14	CCATMCH014 SREEDEVI RAMESH		1.90	1.57	1.88	2.10	2.10
15	CCATMCH015 SREELAKSHMI P V		1.90	1.63	1.83	2.10	1.80
16	CCATMCH016 TEENA A S		1.73	1.50	1.86	2.10	1.50