

CO-PO REPORT OF APPLIED GEOLOGY (SF)

Sl. No.	Course Code	Name of Course	Teacher- in- charge
1	CC19PGEL2C05	Crystallography & Mineralogy	Roshini P.P. Sibin Sebastian
2	CC19PGEL2C06	Economic Geology	Ivine Joseph Sunitha.D
3	CC19PGEL2C07	Hydrogeology	Gopakumar P G Anso .M. A
4	CC19PGEL2C08	Applied Palaeontology & Sedimentology	Roshini P.P. Sunitha.D
5	CC19PGEL1L01	Geomorphology, Structural Geology & Geoinformatics	Gopakumar P G
6	CC19PGEL2L02	Crystallography, Mineralogy, Economic Geology, Hydrogeology, Palaeontology and Sedimentology	Roshini P.P. Ivine Joseph Sunitha.D Anso .M. A Sibin Sebastian



CHRIST COLLEGE (AUTONOMOUS)
IRINJALAKUDA.Kerala-680125

Program(s) : PG - MSC - M.Sc. Applied Geology (Self Financing)	Department(s) : GEOLOGY', 'GEOLOGY SF	Batch(s) : MSC APPL.GEO 2022 - S2
Course Community : CC19PGEL2C05 MSC APPL.GEO 2022 S2	Faculty(s) : Roshini P.P.', 'Sibin Sebastian	Course : Crystallography & Mineralogy

CO PO ATTAINMENT Report

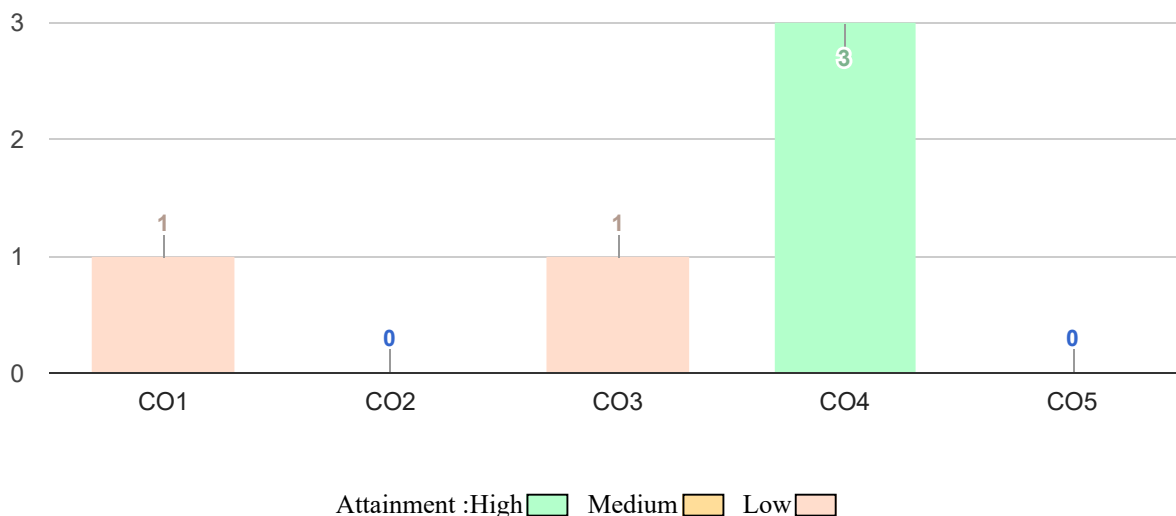
Above Target Percentage : Below Target Percentage:

#	Reg No	Student Name	CO1	CO2	CO3	CO4	CO5
1	CCAWMAG001	ADITHYAKRISHNAN S	44	20	40	45.71	40
2	CCAWMAG002	ANIN MARY JOHN	56.92	80	40	71.43	20
3	CCAWMAG003	ANZIA FAZIL	54.55	*	64.62	86.67	*
4	CCAWMAG004	ARUL THEJUS	44.62	*	78	80	40
5	CCAWMAG005	ASHBY ANN MATHEW	65	60	56	80	40
6	CCAWMAG006	ASWIN MENON	34.29	40	60	64	40
7	CCAWMAG007	DANIE MATHEW	100	60	100	80	0
8	CCAWMAG008	DELPHY MANUEL	61.67	*	38	100	60
9	CCAWMAG009	HAMD BIN ABDUREHMAN	67.5	*	72	55.56	20
10	CCAWMAG010	MEGHA C M	64	*	63.08	90	40
11	CCAWMAG011	NANDAPRIYA T	38	80	80	80	80
12	CCAWMAG012	NANDHAKUMAR A K	65	100	27.5	40	100
13	CCAWMAG013	R S ANANTHAJITH	43.33	*	40	64	20
14	CCAWMAG014	SANIKA K S	32	60	56.92	50	40

CO PO ATTAINMENT Report							
Above Target Percentage : <input type="checkbox"/> Below Target Percentage: <input type="checkbox"/>							
#	Reg No	Student Name	CO1	CO2	CO3	CO4	CO5
15	CCAWMAG015	SHANA JASMIN T K	75.38	*	63.08	80	*
16	CCAWMAG016	SHILPA SHAJU M	66.15	*	54.29	65.71	20

Class Strength	16				
Course Outcomes addressed	CO1	CO2	CO3	CO4	CO5
Target of Course Outcome	60	60	60	60	60
No of students with CO value greater than or equal to 60	8	6	8	12	3
Percentage of students with CO value greater than 60	50	37.5	50	75	18.75
Average	57.03	31.25	58.34	70.82	35
Attainment Level	1.00	0	1.00	3.00	0
Attainment :High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/>					

CO Attainment Levels



CO List	
CO Code	Description
CO1	Construct different type of projections in crystallography using basic symmetry operations and notations. Solve crystal calculations using various theorems.
CO2	Validate the crystal structure of mineral using X ray diffraction and evaluate the type of mineral
CO3	Compare various optical properties of minerals and evaluate their use in differentiating minerals.
CO4	Group different minerals based on their properties and structure and earth mineralogy
CO5	Appraise the mineralogical composition of different layers of earth and formulate their transformation with depth



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Program(s) : PG - MSC - M.Sc. Applied Geology (Self Financing)	Department(s) : GEOLOGY', 'GEOLOGY SF	Batch(s) : MSC APPL.GEO 2022 - S2
Course Community : CC19PGEL2C06 MSC APPL.GEO 2022 S2	Faculty(s) : Ivine Joseph', 'Sunitha.D	Course : Economic Geology

CO PO ATTAINMENT Report

Above Target Percentage : Below Target Percentage:

#	Reg No	Student Name	CO1	CO2	CO3	CO4
1	CCAWMAG001	ADITHYAKRISHNAN S	61.33	29.33	44.67	61.33
2	CCAWMAG002	ANIN MARY JOHN	45.33	61.33	13.33	51.33
3	CCAWMAG003	ANZIA FAZIL	13.33	61.33	68.61	29.33
4	CCAWMAG004	ARUL THEJUS	61.33	61.33	71.52	13.33
5	CCAWMAG005	ASHBY ANN MATHEW	45.33	13.33	45.33	45.33
6	CCAWMAG006	ASWIN MENON	48.53	13.33	45.33	61.33
7	CCAWMAG007	DANIE MATHEW	58.13	45.33	77.33	67.33
8	CCAWMAG008	DELPHY MANUEL	93.33	77.33	67.33	67.33
9	CCAWMAG009	HAMD BIN ABDUREHMAN	61.33	45.33	55.33	77.33
10	CCAWMAG010	MEGHA C M	68	84	77.33	29.33
11	CCAWMAG011	NANDAPRIYA T	68	68	93.33	52
12	CCAWMAG012	NANDHAKUMAR A K	58.13	45.33	13.33	45.33
13	CCAWMAG013	R S ANANTHAJITH	53.33	13.33	13.33	55.33
14	CCAWMAG014	SANIKA K S	37.33	45.33	77.33	55.33

CO PO ATTAINMENT Report

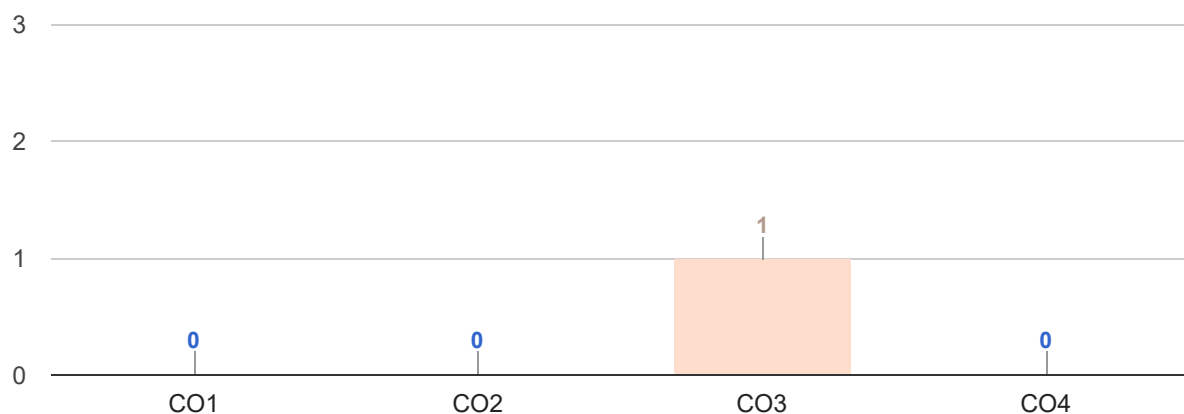
Above Target Percentage : ■ Below Target Percentage: ■

#	Reg No	Student Name	CO1	CO2	CO3	CO4
15	CCAWMAG015	SHANA JASMIN T K	13.33	61.33	70.06	13.33
16	CCAWMAG016	SHILPA SHAJU M	61.33	45.33	61.33	65.33

Class Strength	16			
Course Outcomes addressed	CO1	CO2	CO3	CO4
Target of Course Outcome	60	60	60	60
No of students with CO value greater than or equal to 60	7	7	9	6
Percentage of students with CO value greater than 60	43.75	43.75	56.25	37.5
Average	52.96	48.16	55.93	49.37
Attainment Level	0	0	1.00	0

Attainment :High ■ Medium ■ Low ■

CO Attainment Levels



Attainment :High ■ Medium ■ Low ■

CO List	
CO Code	Description
CO1	Examine basic concepts of ore mineral deposits, ore microscopy and fluid inclusion studies
CO2	Examine major theories of ore genesis and various ore deposits
CO3	Categorize mineral deposits based on ore genesis and strategic importance
CO4	Apply and illustrate national mineral policy of India
CO5	Examine genesis, occurrence, distribution of major economic mineral deposits and fossil fuels.
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Program(s) : PG - MSC - M.Sc. Applied Geology (Self Financing)	Department(s) : GEOLOGY,'GEOLOGY SF	Batch(s) : MSC APPL.GEO 2022 - S2
Course Community : CC19PGEL2C07 MSC APPL.GEO 2022 S2	Faculty(s) : Gopakumar P G,'Anso .M. A	Course : Hydrogeology

CO PO ATTAINMENT Report

Above Target Percentage : Below Target Percentage:

#	Reg No	Student Name	CO1	CO2	CO3	CO4	CO5
1	CCAWMAG001	ADITHYAKRISHNAN S	57.78	16.27	13.33	49.7	41.87
2	CCAWMAG002	ANIN MARY JOHN	70.22	69.95	93.33	77.33	45.33
3	CCAWMAG003	ANZIA FAZIL	29.33	61.33	59.05	85.33	45.33
4	CCAWMAG004	ARUL THEJUS	77.33	62.56	61.33	53.33	13.33
5	CCAWMAG005	ASHBY ANN MATHEW	53.33	50.13	93.33	56.97	45.33
6	CCAWMAG006	ASWIN MENON	77.33	61.33	47.11	77.33	61.33
7	CCAWMAG007	DANIE MATHEW	77.33	77.33	77.33	81.7	88.76
8	CCAWMAG008	DELPHY MANUEL	63.11	45.33	61.33	71.52	61.33
9	CCAWMAG009	HAMD BIN ABDUREHMAN	62.67	80	45.33	61.33	77.33
10	CCAWMAG010	MEGHA C M	92	77.33	72	65.7	77.33
11	CCAWMAG011	NANDAPRIYA T	13.33	100	71.56	79.64	54.93
12	CCAWMAG012	NANDHAKUMAR A K	41.78	32.53	77.33	39.52	13.33
13	CCAWMAG013	R S ANANTHAJITH	61.33	50.13	29.33	49.7	45.33
14	CCAWMAG014	SANIKA K S	68	45.33	54.48	45.33	67.73

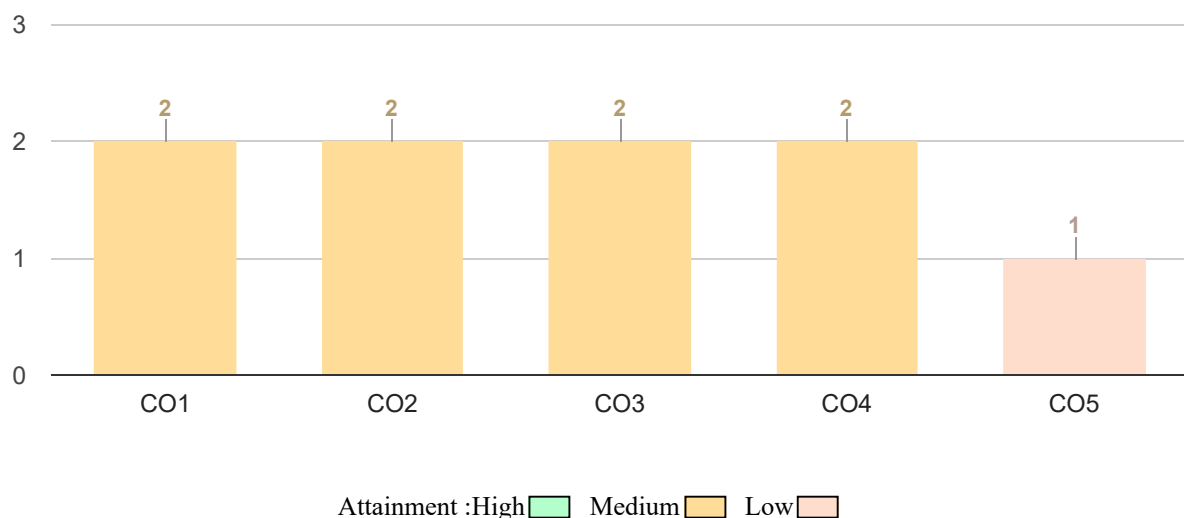
CO PO ATTAINMENT Report

Above Target Percentage : ■ Below Target Percentage: ■

#	Reg No	Student Name	CO1	CO2	CO3	CO4	CO5
15	CCAWMAG015	SHANA JASMIN T K	29.33	73.64	65.9	77.33	77.33
16	CCAWMAG016	SHILPA SHAJU M	61.33	69.33	77.33	69.33	93.33

Class Strength	16				
Course Outcomes addressed	CO1	CO2	CO3	CO4	CO5
Target of Course Outcome	60	60	60	60	60
No of students with CO value greater than or equal to 60	10	10	10	10	8
Percentage of students with CO value greater than 60	62.5	62.5	62.5	62.5	50
Average	58.47	60.78	62.46	65.07	56.83
Attainment Level	2.00	2.00	2.00	2.00	1.00
Attainment : High ■ Medium ■ Low ■					

CO Attainment Levels



CO List	
CO Code	Description
CO1	Distinguish the Origin and distribution of water with hydrogeological properties of rocks
CO2	Undertand theories about water movements and evaluation aquifer parameters
CO3	Discuss Ground water quality properties and problems
CO4	Analyse Ground water exploration methods
CO5	Illustrate Wells drilling to completion and ground water problems with recharging and ground water provinces



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Course Community : CC19PGEL2C08 MSC APPL.GEO 2022 S2	Faculty(s) : Roshini P.P.', 'Sunitha.D	Course : Applied Palaeontology & Sedimentology

CO PO ATTAINMENT Report

Above Target Percentage : Below Target Percentage:

#	Reg No	Student Name	CO1	CO2	CO3	CO4	CO5
1	CCAWMAG001	ADITHYAKRISHNAN S	52.86	45.33	38.67	13.33	22.67
2	CCAWMAG002	ANIN MARY JOHN	64.53	77.33	13.33	61.33	64.53
3	CCAWMAG003	ANZIA FAZIL	67.73	51.73	29.33	61.33	54.93
4	CCAWMAG004	ARUL THEJUS	64.53	61.33	13.33	54.48	58.13
5	CCAWMAG005	ASHBY ANN MATHEW	58.13	48.53	29.33	77.33	51.73
6	CCAWMAG006	ASWIN MENON	79.62	45.33	45.33	43.05	58.13
7	CCAWMAG007	DANIE MATHEW	77.33	61.33	13.33	72.76	66.13
8	CCAWMAG008	DELPHY MANUEL	75.2	45.33	13.33	77.33	62.93
9	CCAWMAG009	HAMD BIN ABDUREHMAN	67.05	53.33	13.33	77.33	45.33
10	CCAWMAG010	MEGHA C M	57.07	45.33	13.33	77.33	62.93
11	CCAWMAG011	NANDAPRIYA T	84	78	13.33	45.33	71.2
12	CCAWMAG012	NANDHAKUMAR A K	58.13	43.33	13.33	45.33	43.73
13	CCAWMAG013	R S ANANTHAJITH	60	45.33	45.33	45.33	56.53
14	CCAWMAG014	SANIKA K S	68.19	45.33	29.33	54.48	54.93

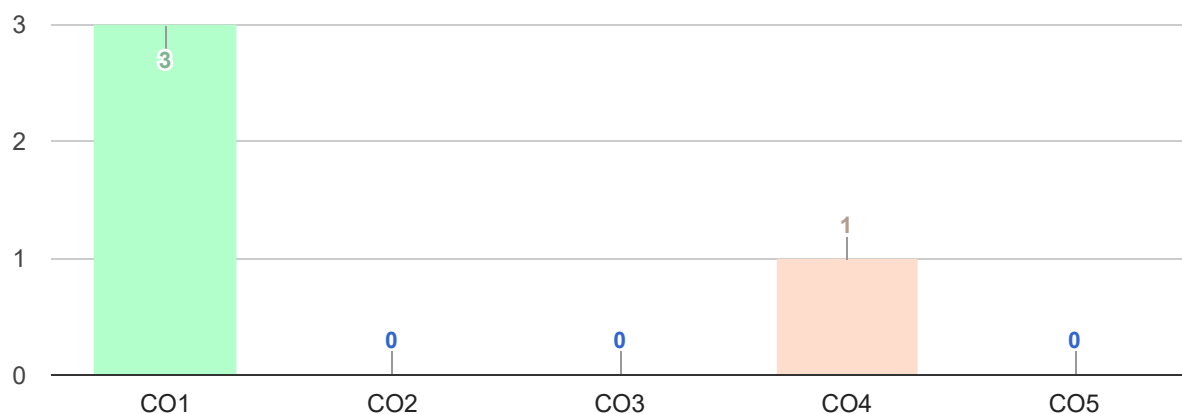
CO PO ATTAINMENT Report

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#	Reg No	Student Name	CO1	CO2	CO3	CO4	CO5
15	CCAWMAG015	SHANA JASMIN T K	77.33	61.33	45.33	70.48	62.93
16	CCAWMAG016	SHILPA SHAJU M	75.2	77.33	13.33	61.33	74.13

Class Strength	16				
Course Outcomes addressed	CO1	CO2	CO3	CO4	CO5
Target of Course Outcome	60	60	60	60	60
No of students with CO value greater than or equal to 60	12	6	0	9	7
Percentage of students with CO value greater than 60	75	37.5	0	56.25	43.75
Average	67.93	55.35	23.91	58.62	56.93
Attainment Level	3.00	0	0	1.00	0
Attainment : High ■ Medium ■ Low ■					

CO Attainment Levels



Attainment : High ■ Medium ■ Low ■

CO List	
CO Code	Description
CO1	Analyse fossilisation and its significance and evolution of vertebrate life
CO2	Validate the application, uses and significance of microfossils
CO3	Assessing various sedimentary processes and application of heavy minerals studies.
CO4	Analysis of sedimentary textures and structures.
CO5	Compare the different sedimentary facies and depositional environments



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Course Community : CC19PGEL1L01 MSC APPL.GEO 2022 S2	Faculty(s) : Gopakumar P G	Course : Geomorphology, Structural Geology & Geoinformatics

CO PO ATTAINMENT Report

Above Target Percentage : Below Target Percentage:

#	Reg No	Student Name	CO1	CO2	CO3	CO4	CO5
1	CCAWMAG001	ADITHYAKRISHNAN S	44.67	44.67	44.67	44.67	44.67
2	CCAWMAG002	ANIN MARY JOHN	83.33	83.33	83.33	83.33	83.33
3	CCAWMAG003	ANZIA FAZIL	59.33	59.33	59.33	59.33	59.33
4	CCAWMAG004	ARUL THEJUS	79.33	79.33	79.33	79.33	79.33
5	CCAWMAG005	ASHBY ANN MATHEW	65.33	65.33	65.33	65.33	65.33
6	CCAWMAG006	ASWIN MENON	90.67	90.67	90.67	90.67	90.67
7	CCAWMAG007	DANIE MATHEW	80.67	80.67	80.67	80.67	80.67
8	CCAWMAG008	DELPHY MANUEL	64	64	64	64	64
9	CCAWMAG009	HAMD BIN ABDUREHMAN	60.67	60.67	60.67	60.67	60.67
10	CCAWMAG010	MEGHA C M	81.33	81.33	81.33	81.33	81.33
11	CCAWMAG011	NANDAPRIYA T	90.67	90.67	90.67	90.67	90.67
12	CCAWMAG012	NANDHAKUMAR A K	74.67	74.67	74.67	74.67	74.67
13	CCAWMAG013	R S ANANTHAJITH	75.33	75.33	75.33	75.33	75.33
14	CCAWMAG014	SANIKA K S	66.67	66.67	66.67	66.67	66.67

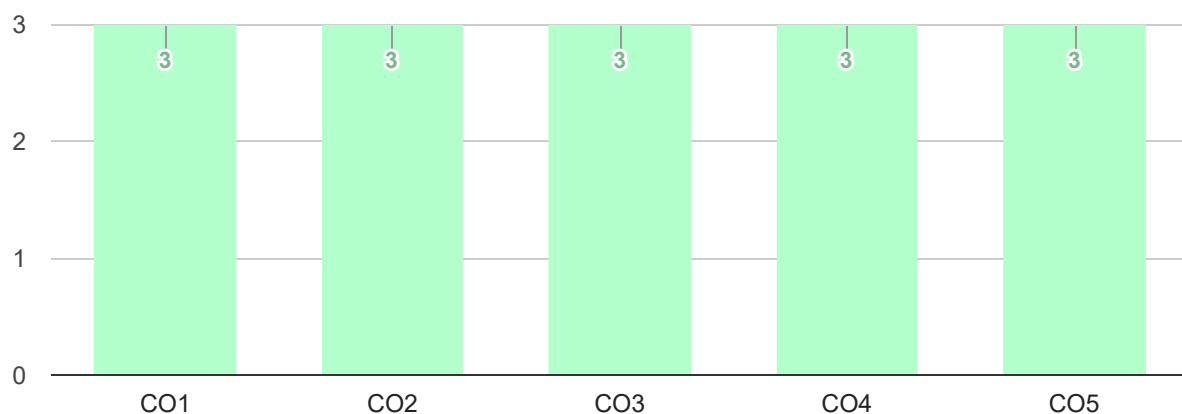
CO PO ATTAINMENT Report

Above Target Percentage : Below Target Percentage:

#	Reg No	Student Name	CO1	CO2	CO3	CO4	CO5
15	CCAWMAG015	SHANA JASMIN T K	56	56	56	56	56
16	CCAWMAG016	SHILPA SHAJU M	58	58	58	58	58

Class Strength	16				
Course Outcomes addressed	CO1	CO2	CO3	CO4	CO5
Target of Course Outcome	60	60	60	60	60
No of students with CO value greater than or equal to 60	12	12	12	12	12
Percentage of students with CO value greater than 60	75	75	75	75	75
Average	70.67	70.67	70.67	70.67	70.67
Attainment Level	3.00	3.00	3.00	3.00	3.00
Attainment :High <input type="checkbox"/> Medium <input type="checkbox"/> Low <input type="checkbox"/>					

CO Attainment Levels



Attainment :High Medium Low

CO List	
CO Code	Description
CO1	Analyse topo sheet for different spatial and topographical features
CO2	Apply stereographic projections in structural problems
CO3	Validate the geological history of a terrain using geological map
CO4	Design thematic maps using QGIS software
CO5	Prepare image from aerial photograph and toposheets



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Course Community : CC19PGEL2L02 MSC APPL.GEO 2022 S2	Faculty(s) : Roshini P.P.',Ivine Joseph','Sunitha.D','Anso .M. A','Sibin Sebastian	Course : Crystallography, Mineralogy, Economic Geology, Hydrogeology, Palaeontology & Sedimentology

CO PO ATTAINMENT Report

Above Target Percentage : Below Target Percentage:

#	Reg No	Student Name	CO1	CO2	CO3	CO4	CO5
1	CCAWMAG001	ADITHYAKRISHNAN S	44.8	44.8	44.8	44.8	44.8
2	CCAWMAG002	ANIN MARY JOHN	65.6	65.6	65.6	65.6	65.6
3	CCAWMAG003	ANZIA FAZIL	64	64	64	64	64
4	CCAWMAG004	ARUL THEJUS	58.4	65.07	71.73	65.07	65.07
5	CCAWMAG005	ASHBY ANN MATHEW	68.27	68.27	68.27	68.27	68.27
6	CCAWMAG006	ASWIN MENON	76.8	76.8	76.8	76.8	76.8
7	CCAWMAG007	DANIE MATHEW	72	72	72	72	72
8	CCAWMAG008	DELPHY MANUEL	71.47	71.47	78.13	71.47	71.47
9	CCAWMAG009	HAMD BIN ABDUREHMAN	60.8	67.47	60.8	60.8	60.8
10	CCAWMAG010	MEGHA C M	81.6	88.27	88.27	81.6	81.6
11	CCAWMAG011	NANDAPRIYA T	84.27	90.93	84.27	84.27	90.93
12	CCAWMAG012	NANDHAKUMAR A K	81.07	81.07	87.73	87.73	81.07
13	CCAWMAG013	R S ANANTHAJITH	56	56	56	56	56
14	CCAWMAG014	SANIKA K S	63.47	63.47	63.47	63.47	63.47

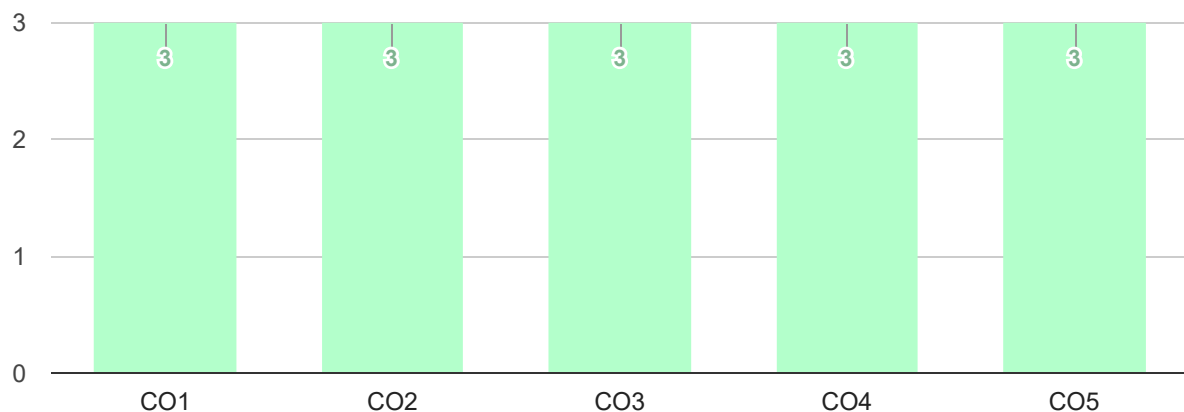
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#	Reg No	Student Name	CO1	CO2	CO3	CO4	CO5
15	CCAWMAG015	SHANA JASMIN T K	65.07	65.07	65.07	65.07	65.07
16	CCAWMAG016	SHILPA SHAJU M	56	56	56	56	56

Class Strength	16				
Course Outcomes addressed	CO1	CO2	CO3	CO4	CO5
Target of Course Outcome	60	60	60	60	60
No of students with CO value greater than or equal to 60	12	13	13	13	13
Percentage of students with CO value greater than 60	75	81.25	81.25	81.25	81.25
Average	66.85	68.52	68.93	67.68	67.68
Attainment Level	3.00	3.00	3.00	3.00	3.00
Attainment :High ■ Medium ■ Low ■					

CO Attainment Levels



Attainment :High ■ Medium ■ Low ■

CO List	
CO Code	Description
CO1	Prepare microfossil slides, identify microfossils in it and construct the geo-tectonic scenario related to it
CO2	Analyze important minerals and its physical properties and optical properties
CO3	Prepare various graphical representation diagrams for determining water quality.
CO4	Prepare stereographic projections of crystals with different symmetry.
CO5	Assess the environmental condition of formation of sedimentary rock using various textural parameters.