CO-PO REPORT OF COMPUTER SCIENCE (SF)

Sl. No.	Course Code	Name of Course	Teacher- in- charge
1	CC19PCSS2C06	Design and Analysis of Algorithms	Viji Viswanathan
2	CC19PCSS2C07	Operating System Concepts	Rasmi P M
3	CC19PCSS2C08	Computer Networks	Linto George Fousiya P U
4	CC19PCSS2C09	Computational Intelligence	Priyanga K K
5	CC19PCSS2C10	Principles of software Engineering	Joju Sebastian
6	CC19PCSS2L02	Practical II	Priyanga K K Fousiya P U

CHRIST COLLEGE (AUTONOMOUS)
IRINJALAKUDA.Kerala-680125

Program(s) : PG - MSC - M.Sc. Computer Science (Self Financing)	**Department(s) :** COMPUTER SCIENCE	**Batch(s) :** MSC CS 2022 - S2
Course Community : CC19PCSS2C06 MSC CS 2022 S2	**Faculty(s) :** Viji Viswanathan	**Course :** Design and Analysis of Algorithms

CO PO ATTAINMENT Report

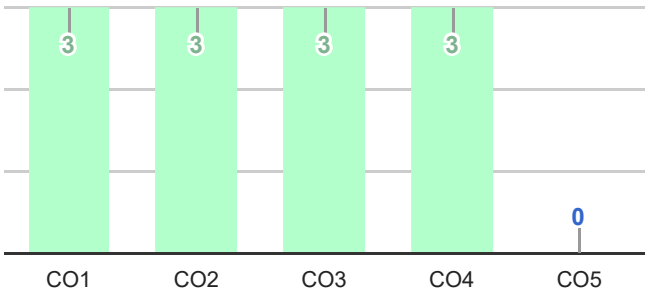
Above Target Percentage : **Below Target Percentage:**

#	Reg No	Student Name	CO1	CO2	CO3	CO4	CO5
1	CCAWMCS001	DONA MARIYA DAVIES	90.22	91.68	86.56	92.96	35.36
2	CCAWMCS002	JESLIN RANI JIJO	87	86.14	72.06	91	33.66
3	CCAWMCS003	JISMY JOSE	56.8	68	72.8	72.8	85.6
4	CCAWMCS004	NEEMA.BABU	98.5	92.52	72.9	85.7	47.3
5	CCAWMCS005	SAGAR R	92.05	84.94	92.32	85.65	28.05

Class Strength	5				
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	4	5	5	5	1

Percentage of students with CO value greater than 60	80	100	100	100	20
Average	84.91	84.66	79.33	85.62	45.99
Attainment Level	3.00	3.00	3.00	3.00	0
Attainment :High Medium Low					

CO Attainment Levels



Attainment :High Medium Low

CO List	
CO Code	**Description**
CO1	Discuss algorithm design and model of computation and different problems in computer science
CO2	Justify time and space complexity of algorithms and the correctness of algorithms and solving recurrence equation
CO3	Describe the divide-and-conquer, Brute Force and Branch-and-Bound and back tracking
CO4	Analyse the complexity of Greedy approach and Dynamic Programming and parallel algorithms
CO5	Describe classes P, NP, and NP- Complete and NP Completeness reduction for TSP and Hamiltonian Cycle

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Program(s) : PG - MSC - M.Sc. Computer Science (Self Financing)	**Department(s) :** COMPUTER SCIENCE	**Batch(s) :** MSC CS 2022 - S2
Course Community : CC19PCSS2C07 MSC CS 2022 S2	**Faculty(s) :** Rasmi P M	**Course :** Operating System Concepts

CO PO ATTAINMENT Report

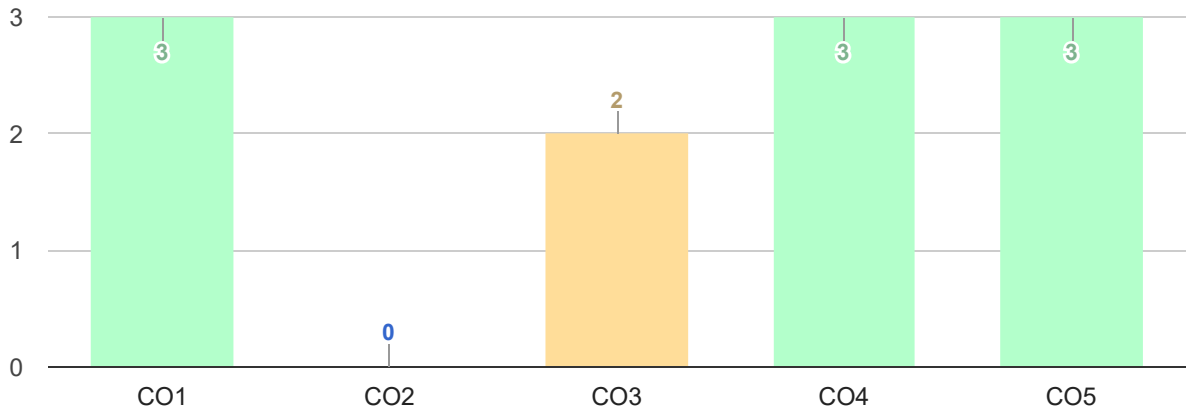
Above Target Percentage : **Below Target Percentage:**

#	Reg No	Student Name	CO1	CO2	CO3	CO4	CO5
1	CCAWMCS001	DONA MARIYA DAVIES	77.6	72.8	98.4	89.26	78.93
2	CCAWMCS002	JESLIN RANI JIJO	98.72	34.72	85.92	89.58	85.92
3	CCAWMCS003	JISMY JOSE	66.4	56.8	34.4	63.66	61.83
4	CCAWMCS004	NEEMA.BABU	92.64	60.64	41.17	80.75	82.58
5	CCAWMCS005	SAGAR R	88.48	59.68	80.16	77.6	65.81

Class Strength	5				
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	5	2	3	5	5
Percentage of students with CO value greater than 60	100	40	60	100	100

Average	84.77	56.93	68.01	80.17	75.01
Attainment Level	3.00	0	2.00	3.00	3.00
Attainment :High Medium Low					

CO Attainment Levels



Attainment :High Medium Low

CO List	
CO Code	**Description**
CO1	Describe the concepts of operating system ,process and threads
CO2	Illustrate the principles of concurrency,mutual exclusion and deadlock in operating system
CO3	Discuss the different memory management concepts
CO4	Demonstrate the various scheduling algorithms
CO5	Interpret the client/server computing concepts

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Program(s) : PG - MSC - M.Sc. Computer Science (Self Financing)	**Department(s) :** COMPUTER SCIENCE	**Batch(s) :** MSC CS 2022 - S2
Course Community : CC19PCSS2C08 MSC CS 2022 S2	**Faculty(s) :** Linto George','FOUSIYA P U	**Course :** Computer Networks

CO PO ATTAINMENT Report

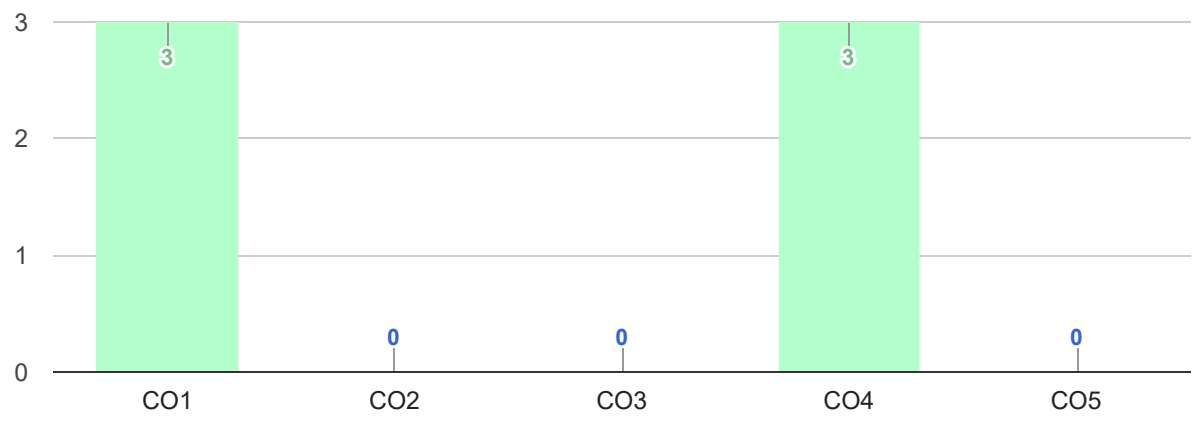
Above Target Percentage : ☐ **Below Target Percentage:** ☐

#	Reg No	Student Name	CO1	CO2	CO3	CO4	CO5
1	CCAWMCS001	DONA MARIYA DAVIES	71.43	57.5	58	60	40
2	CCAWMCS002	JESLIN RANI JIJO	65.71	57.5	56	72	*
3	CCAWMCS004	NEEMA.BABU	42.22	50	50	40	*
4	CCAWMCS005	SAGAR R	68.89	55	80	60	40

Class Strength	5				
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	3	0	1	3	0
Percentage of students with CO value greater than 60	75	0	25	75	0
Average	62.06	55	61	58	20

Attainment Level	3.00	0	0	3.00	0
Attainment :High Medium Low					

CO Attainment Levels



Attainment :High Medium Low

CO List	
CO Code	**Description**
CO1	Recall concepts of networking models, topology, transmission media, and protocol suite
CO2	Discuss application layer and its protocols,network layer and its functions
CO3	Describe transport layer protocols
CO4	Describe data link layer functions and its protocols
CO5	Analyze different cryptographic techniques

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Program(s) : PG - MSC - M.Sc. Computer Science (Self Financing)	**Department(s) :** COMPUTER SCIENCE	**Batch(s) :** MSC CS 2022 - S2
Course Community : CC19PCSS2C09 MSC CS 2022 S2	**Faculty(s) :** Priyanga K K	**Course :** Computational Intelligence

CO PO ATTAINMENT Report

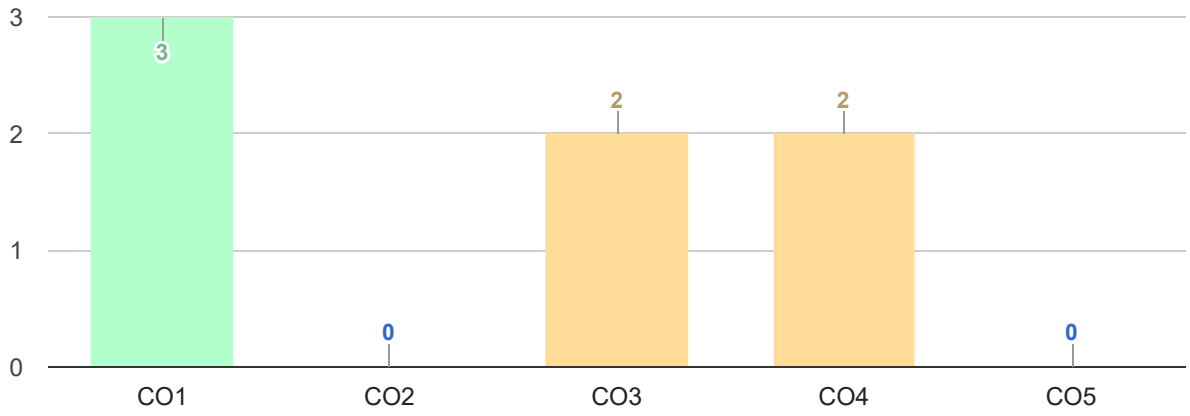
Above Target Percentage : **Below Target Percentage:**

#	Reg No	Student Name	CO1	CO2	CO3	CO4	CO5
1	CCAWMCS001	DONA MARIYA DAVIES	76.32	80.36	78.88	72.48	34.08
2	CCAWMCS002	JESLIN RANI JIJO	76.96	56.21	65.44	65.44	70.56
3	CCAWMCS003	JISMY JOSE	34.4	34.4	34.4	34.4	34.4
4	CCAWMCS004	NEEMA.BABU	76.96	38.56	83.36	58.77	63.89
5	CCAWMCS005	SAGAR R	61.33	25.49	57.49	68	51.09

Class Strength	5				
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	4	1	3	3	2
Percentage of students with CO value greater than 60	80	20	60	60	40

Average	65.19	47	63.91	59.82	50.8
Attainment Level	3.00	0	2.00	2.00	0
Attainment :High Medium Low					

CO Attainment Levels



Attainment :High Medium Low

CO List	
CO Code	**Description**
CO1	Discuss the basics of Artificial Intelligence, state space search and its application
CO2	Analyze various search and game-based techniques with heuristics
CO3	Discuss basic issues of knowledge representation, representation of facts using logic and knowledge representation using rules
CO4	Discuss various reasoning methods and basics of Planning and understanding,Expert systems, basics of machine learning and Artificial Neural Networks and genetic algorithms
CO5	Illustrate various game playing methods and slot and filler structure

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Program(s) : PG - MSC - M.Sc. Computer Science (Self Financing)	**Department(s) :** COMPUTER SCIENCE	**Batch(s) :** MSC CS 2022 - S2
Course Community : CC19PCSS2C10 MSC CS 2022 S2	**Faculty(s) :** JOJU SEBASTIAN	**Course :** Principles of Software Engineering

CO PO ATTAINMENT Report

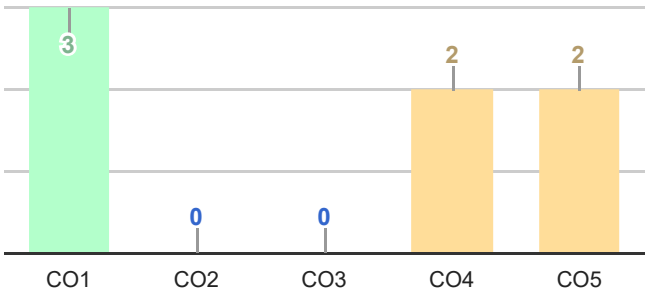
Above Target Percentage : **Below Target Percentage:**

#	Reg No	Student Name	CO1	CO2	CO3	CO4	CO5
1	CCAWMCS001	DONA MARIYA DAVIES	71.2	60	13.33	65.9	68
2	CCAWMCS002	JESLIN RANI JIJO	74.4	46.29	36	92	100
3	CCAWMCS003	JISMY JOSE	20	20	20	20	20
4	CCAWMCS004	NEEMA.BABU	100	42	20	58.86	84
5	CCAWMCS005	SAGAR R	68	65.71	52	61.6	45.33

Class Strength	5				
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	4	2	0	3	3

Percentage of students with CO value greater than 60	80	40	0	60	60
Average	66.72	46.8	28.27	59.67	63.47
Attainment Level	3.00	0	0	2.00	2.00
Attainment :High Medium Low					

CO Attainment Levels



Attainment :High Medium Low

CO List	
CO Code	**Description**
CO1	Understand principles and practices of software engineering
CO2	Identify software models for different nature of projects
CO3	Understand the concepts of software UI design, process planning , project scheduling & Develop strategies for coding and testing.
CO4	Identify the risks associated with projects
CO5	Discuss about of project report writing.

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Program(s) : PG - MSC - M.Sc. Computer Science (Self Financing)	**Department(s) :** COMPUTER SCIENCE	**Batch(s) :** MSC CS 2022 - S2
Course Community : CC19PCSS2L02 MSC CS 2022 S2	**Faculty(s) :** Priyanga K K','FOUSIYA P U	**Course :** Practical II

CO PO ATTAINMENT Report

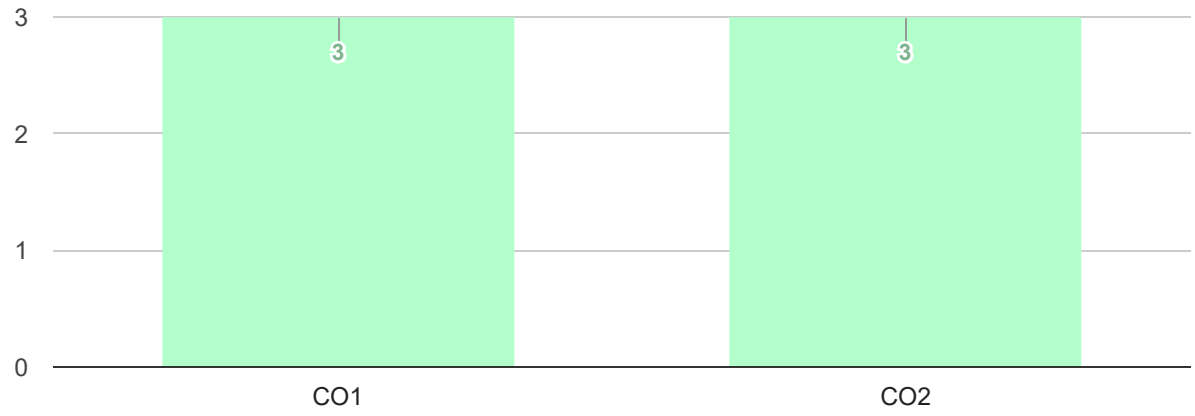
Above Target Percentage : **Below Target Percentage:**

#	Reg No	Student Name	CO1	CO2
1	CCAWMCS001	DONA MARIYA DAVIES	84.37	91.04
2	CCAWMCS002	JESLIN RANI JIJO	67.36	67.36
3	CCAWMCS003	JISMY JOSE	63.41	63.41
4	CCAWMCS004	NEEMA.BABU	91.68	91.68
5	CCAWMCS005	SAGAR R	97.23	97.23

Class Strength	5	
Course Outcomes addressed	CO1	CO2
Target of Course Outcome	60	60
No of students with CO value greater than or equal to 60	5	5
Percentage of students with CO value greater than 60	100	100

Average	80.81	82.14
Attainment Level	3.00	3.00
Attainment :High Medium Low		

CO Attainment Levels



Attainment :High Medium Low

CO List	
CO Code	**Description**
CO1	Create programming skill noursishing techniques in Operating Systems to help the students cope up with recent updates
CO2	Create programming skill noursishing techniques in Computer Networks to help the students cope up with recent updates