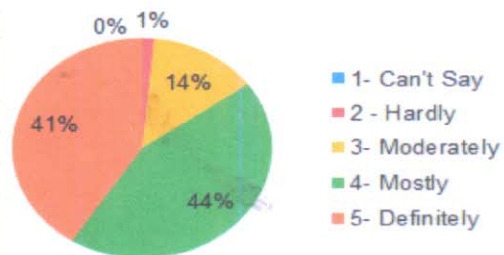




Department of computer Engineering
Academic Year: 2020-21 (ODD)
Course Exit Analysis Report (SEM III)
Subject: DSGT

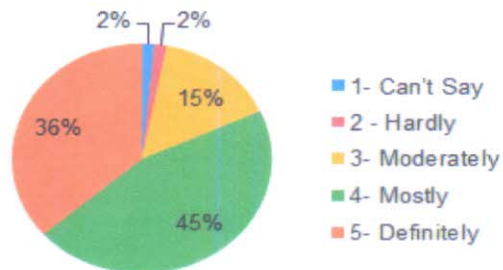
CO-1 Understand the notion of mathematical thinking, mathematical proofs and to apply them in problem solving

Score	No. of Students	Percentage (%)
1- Can't Say	0	0.00
2 - Hardly	1	1.52
3- Moderately	9	13.64
4- Mostly	29	43.94
5- Definitely	27	40.91
Total	66	100.00



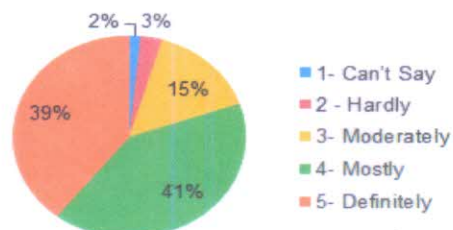
CO-2 Ability to reason logically.

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.52
2 - Hardly	1	1.52
3- Moderately	10	15.15
4- Mostly	30	45.45
5- Definitely	24	36.36
Total	66	100.00



CO3 Ability to understand relations, functions, Diagraph and Lattice

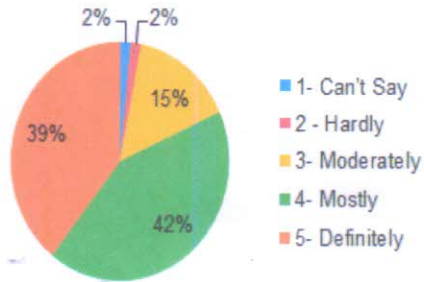
Score	No. of Students	Percentage (%)
1- Can't Say	1	1.52
2 - Hardly	2	3.03
3- Moderately	10	15.15
4- Mostly	27	40.91
5- Definitely	26	39.39
Total	66	100.00





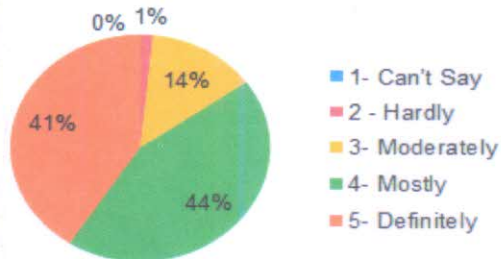
CO4 Ability to understand and apply concepts of graph theory in solving real world problems

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.52
2 - Hardly	1	1.52
3- Moderately	10	15.15
4- Mostly	28	42.42
5- Definitely	26	39.39
Total	66	100.00



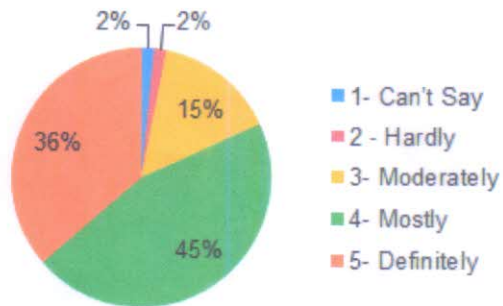
CO5 Understand use of groups and codes in Encoding-Decoding

Score	No. of Students	Percentage (%)
1- Can't Say	0	0.00
2 - Hardly	1	1.52
3- Moderately	9	13.64
4- Mostly	29	43.94
5- Definitely	27	40.91
Total	66	100.00



CO6 Analyze a complex computing problem and apply principles of discrete mathematics to identify solutions

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.52
2 - Hardly	1	1.52
3- Moderately	10	15.15
4- Mostly	30	45.45
5- Definitely	24	36.36
Total	66	100.00



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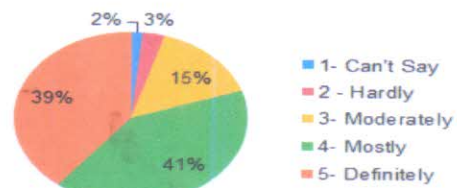
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Department of computer Engineering
Academic Year: 2020-21 (ODD)
Course Exit Analysis Report (SEM III)
Subject: DS

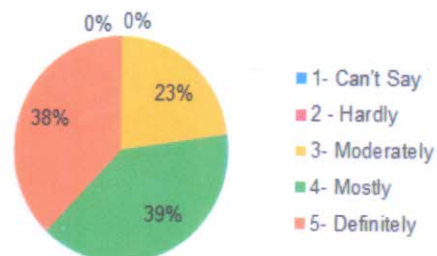
CO1 Students will be able to implement Linear and Non-Linear data structures

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.52
2 - Hardly	2	3.03
3- Moderately	10	15.15
4- Mostly	27	40.91
5- Definitely	26	39.39
Total	66	100.00



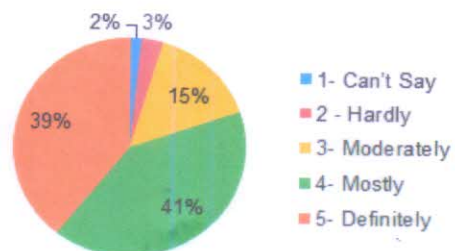
CO-2. Students will be able to handle various operations like searching, insertion, deletion and traversals on various data structures

Score	No. of Students	Percentage (%)
1- Can't Say	0	0.00
2 - Hardly	0	0.00
3- Moderately	15	22.73
4- Mostly	26	39.39
5- Definitely	25	37.88
Total	66	100.00



CO3. Students will be able to explain various data structures, related terminologies and its types

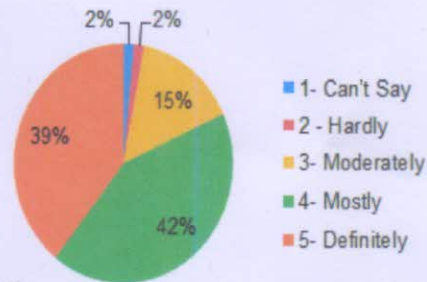
Score	No. of Students	Percentage (%)
1- Can't Say	1	1.52
2 - Hardly	2	3.03
3- Moderately	10	15.15
4- Mostly	27	40.91
5- Definitely	26	39.39
Total	66	100.00





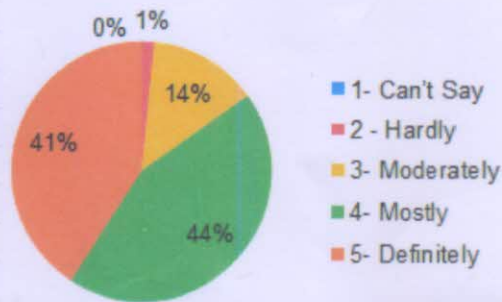
CO4. Students will be able to choose appropriate data structure and apply it to solve problems in various domains

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.52
2 - Hardly	1	1.52
3- Moderately	10	15.15
4- Mostly	28	42.42
5- Definitely	26	39.39
Total	66	100.00



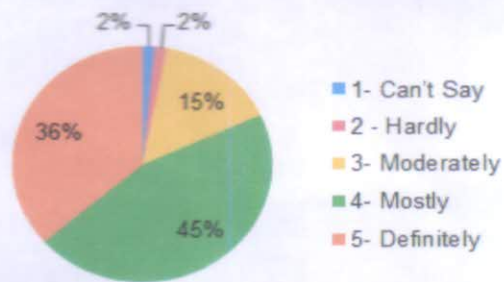
CO 5 Students will be able to analyze and Implement appropriate searching techniques for a given problem

Score	No. of Students	Percentage (%)
1- Can't Say	0	0.00
2 - Hardly	1	1.52
3- Moderately	9	13.64
4- Mostly	29	43.94
5- Definitely	27	40.91
Total	66	100.00



CO6. Students will be able to demonstrate the ability to analyze, design, apply and use data structures to solve engineering problems and evaluate their solutions.

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.52
2 - Hardly	1	1.52
3- Moderately	10	15.15
4- Mostly	30	45.45
5- Definitely	24	36.36
Total	66	100.00



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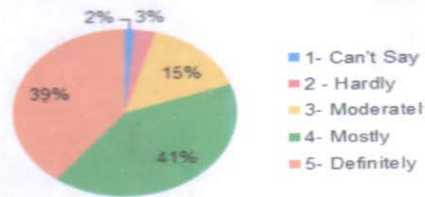
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Department of computer Engineering
Academic Year: 2020-21 (ODD)
Course Exit Analysis Report (SEM III)
Subject: DLCOA

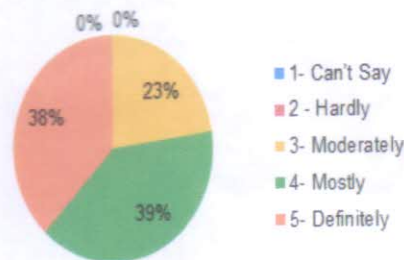
CO1. To learn different number systems and basic structure of computer system

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.52
2 - Hardly	2	3.03
3- Moderately	10	15.15
4- Mostly	27	40.91
5- Definitely	26	39.39
Total	66	100.00



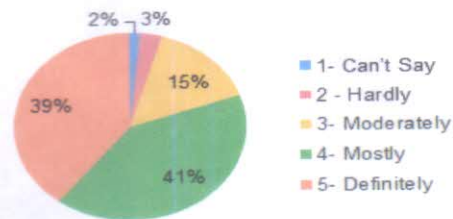
CO2. To demonstrate the arithmetic algorithms

Score	No. of Students	Percentage (%)
1- Can't Say	0	0.00
2 - Hardly	0	0.00
3- Moderately	15	22.73
4- Mostly	26	39.39
5- Definitely	25	37.88
Total	66	100.00



CO3. To understand the basic concepts of digital components and processor organization.

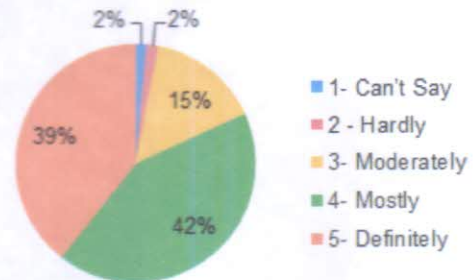
Score	No. of Students	Percentage (%)
1- Can't Say	1	1.52
2 - Hardly	2	3.03
3- Moderately	10	15.15
4- Mostly	27	40.91
5- Definitely	26	39.39
Total	66	100.00





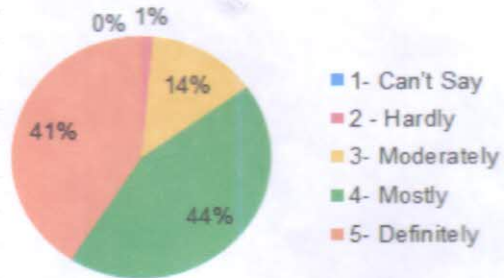
CO4 To understand the generation of control signals of computer.

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.52
2 - Hardly	1	1.52
3- Moderately	10	15.15
4- Mostly	28	42.42
5- Definitely	26	39.39
Total	66	100.00



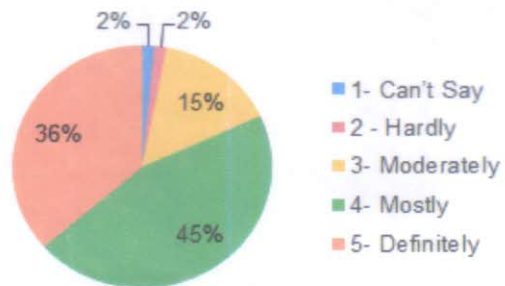
CO5 To demonstrate the memory organization.

Score	No. of Students	Percentage (%)
1- Can't Say	0	0.00
2 - Hardly	1	1.52
3- Moderately	9	13.64
4- Mostly	29	43.94
5- Definitely	27	40.91
Total	66	100.00



CO 6 To describe the concepts of parallel processing and different Buses.

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.52
2 - Hardly	1	1.52
3- Moderately	10	15.15
4- Mostly	30	45.45
5- Definitely	24	36.36
Total	66	100.00



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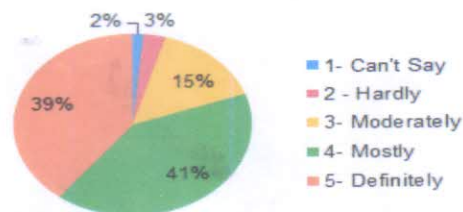
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Department of computer Engineering
Academic Year: 2020-21 (ODD)
Course Exit Analysis Report (SEM III)
Subject: CG

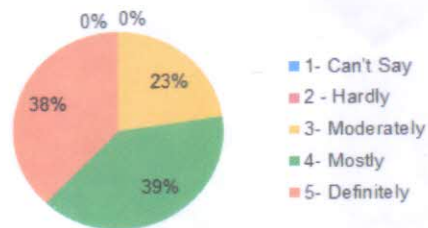
CO1. Describe the basic concepts of Computer Graphics

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.52
2 - Hardly	2	3.03
3- Moderately	10	15.15
4- Mostly	27	40.91
5- Definitely	26	39.39
Total	66	100.00



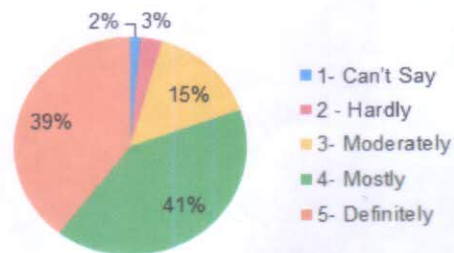
CO2. Demonstrate various algorithms for basic graphics primitives

Score	No. of Students	Percentage (%)
1- Can't Say	0	0.00
2 - Hardly	0	0.00
3- Moderately	15	22.73
4- Mostly	26	39.39
5- Definitely	25	37.88
Total	66	100.00



CO3. Apply 2-D geometric transformations on graphical objects..

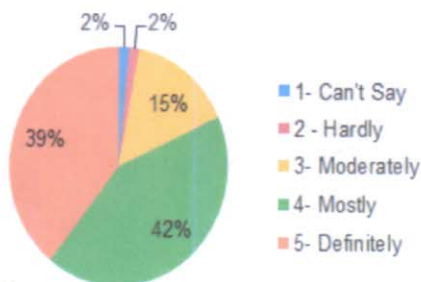
Score	No. of Students	Percentage (%)
1- Can't Say	1	1.52
2 - Hardly	2	3.03
3- Moderately	10	15.15
4- Mostly	27	40.91
5- Definitely	26	39.39
Total	66	100.00





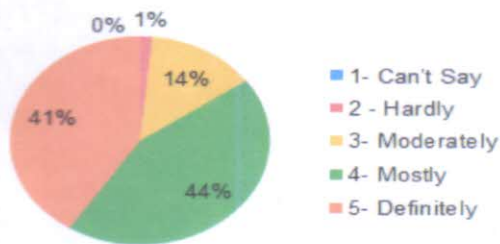
CO4. Use various Clipping algorithms on graphical objects

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.52
2 - Hardly	1	1.52
3- Moderately	10	15.15
4- Mostly	28	42.42
5- Definitely	26	39.39
Total	66	100.00



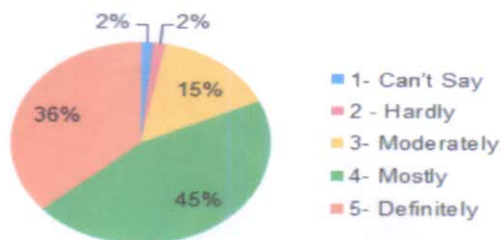
CO5. Explore 3-D geometric transformations, curve representation techniques and projections methods

Score	No. of Students	Percentage (%)
1- Can't Say	0	0.00
2 - Hardly	1	1.52
3- Moderately	9	13.64
4- Mostly	29	43.94
5- Definitely	27	40.91
Total	66	100.00



CO.6 Explain visible surface detection techniques and Animation

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.52
2 - Hardly	1	1.52
3- Moderately	10	15.15
4- Mostly	30	45.45
5- Definitely	24	36.36
Total	66	100.00



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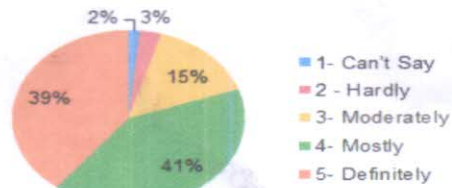
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Department of computer Engineering
 Academic Year: 2020-21
 Course Exit Analysis Report (SEM III)
 Subject: AM III

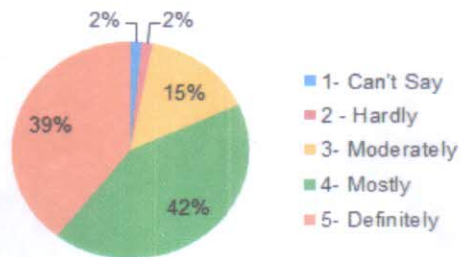
CO1 Understand the concept of Laplace transform and its application to solve the real integrals in engineering problems.

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.52
2 - Hardly	2	3.03
3- Moderately	10	15.15
4- Mostly	27	40.91
5- Definitely	26	39.39
Total	66	100.00



CO2 Understand the concept of inverse Laplace transform of various functions and its applications in engineering problems.

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.52
2 - Hardly	1	1.52
3- Moderately	10	15.15
4- Mostly	28	42.42
5- Definitely	26	39.39
Total	66	100.00





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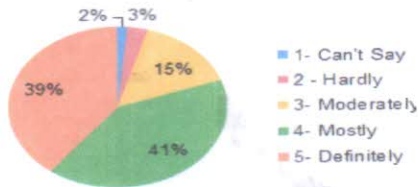
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Department of computer Engineering
Academic Year: 2020-21
Course Exit Analysis Report (SEM III)
Subject: AM III

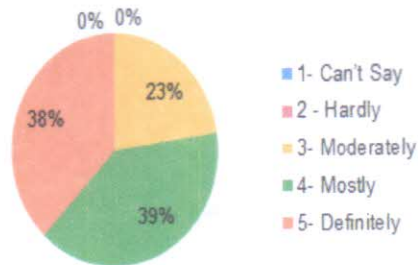
CO3 Expand the periodic function by using the Fourier series for real-life problems and complex engineering problems.

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.52
2 - Hardly	2	3.03
3- Moderately	10	15.15
4- Mostly	27	40.91
5- Definitely	26	39.39
Total	66	100.00



CO-4 Understand complex variable theory, application of harmonic conjugate to get Orthogonal trajectories and analytic functions.

Score	No. of Students	Percentage (%)
1- Can't Say	0	0.00
2 - Hardly	0	0.00
3- Moderately	15	22.73
4- Mostly	26	39.39
5- Definitely	25	37.88
Total	66	100.00





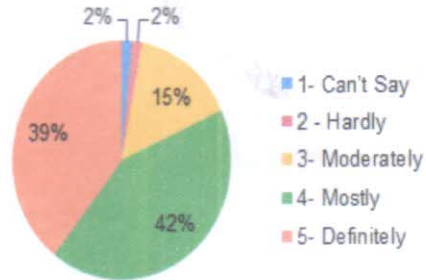
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Department of computer Engineering
 Academic Year: 2020-21
 Course Exit Analysis Report (SEM III)
 Subject: AM III

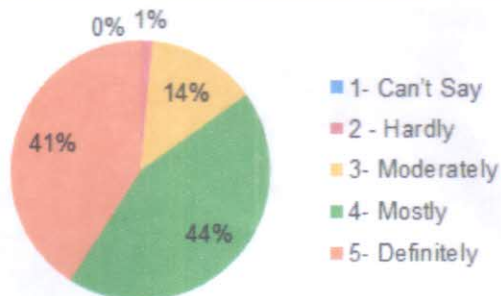
CO-5 Apply the concept of Correlation and Regression to the engineering problems in data science, machine learning, and AI.

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.52
2 - Hardly	1	1.52
3- Moderately	10	15.15
4- Mostly	28	42.42
5- Definitely	26	39.39
Total	66	100.00

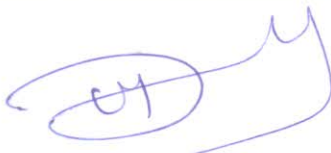


CO6 Understand the concepts of probability and expectation for getting the spread of the data and distribution of probabilities.

Score	No. of Students	Percentage (%)
1- Can't Say	0	0.00
2 - Hardly	1	1.52
3- Moderately	9	13.64
4- Mostly	29	43.94
5- Definitely	27	40.91
Total	66	100.00




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Department of computer Engineering
Action taken based on feedback from students (CO & PO)
Academic Year: 2020-21 (ODD)

Summary of feedback-Semester 3:

Feedbacks collected through course exit forms were analyzed and necessary actions which are useful for students were planned and conducted. Abstract of suggestions obtained from the stakeholders to enhance the employability of the student are discussed below.

- More practice for Engineering Mathematics-III
- Need awareness about the latest technologies and practices in industry.
- Need example of graph theory &DM

Action Taken:

Based on suggestions action taken are mentioned below.

Sr. No.	Feedback/suggestions	Action Taken	Date
1	Students need extra notes related to linked list	Link is provided https://www.geeksforgeeks.org/data-structures/linked-list/	21/10/20
2	Few students demand for links of Recurrence relations	Notes are provided https://archive.nptel.ac.in/courses/111/107/111107058/	17/10/20
3	Students needs Practical aspect example of graph theory &DM	https://gradesfixer.com/free-essay-examples/applications-of-discrete-mathematics-and-graph-theory-in-daily-life/	13/10/20
4	Teaching aids	https://freecoursesites.com/introduction-to-data-structures-and-algorithms-by-animation/	6/10/20


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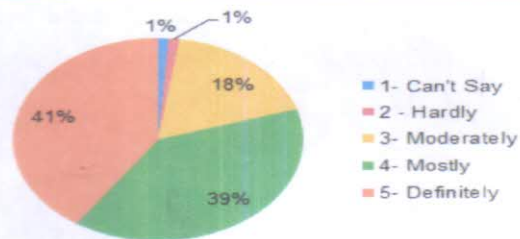
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Department of computer Engineering
Academic Year: 2020-21
Course Exit Analysis Report (SEM IV)
Subject: OS

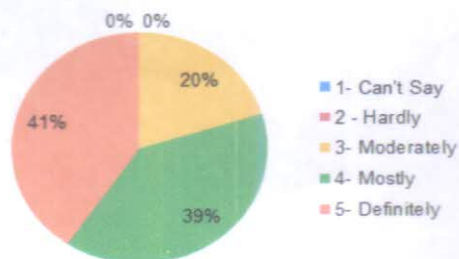
CO1 Understand the objectives, functions and structure of OS

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.19
2 - Hardly	1	1.19
3- Moderately	15	17.86
4- Mostly	33	39.29
5- Definitely	34	40.48
TOTAL	84	100.00



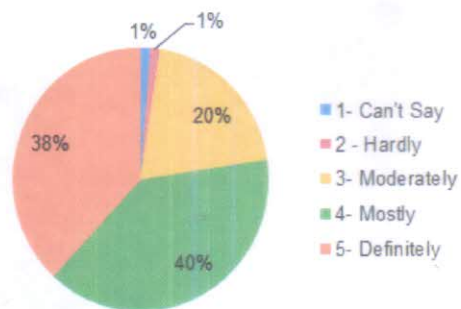
CO2 Analyze the concept of process management and evaluate performance of process scheduling algorithms.

Score	No. of Students	Percentage (%)
1- Can't Say	0	0.00
2 - Hardly	0	0.00
3- Moderately	17	20.24
4- Mostly	33	39.29
5- Definitely	34	40.48
TOTAL	84	100.00



CO3 Understand and apply the concepts of synchronization and deadlocks

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.19
2 - Hardly	1	1.19
3- Moderately	17	20.24
4- Mostly	33	39.29
5- Definitely	32	38.10
TOTAL	84	100.00





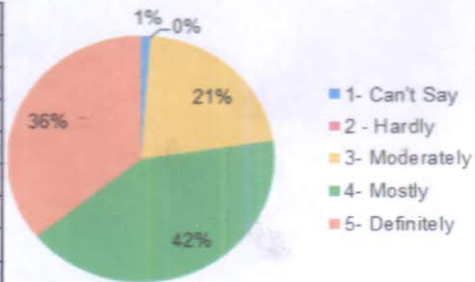
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Department of computer Engineering
 Academic Year: 2020-21
 Course Exit Analysis Report (SEM IV)
 Subject: OS

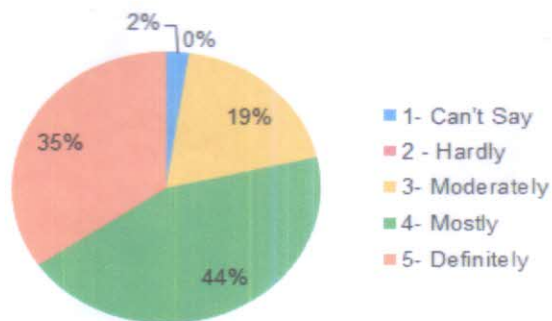
CO4 Evaluate performance of Memory allocation and replacement policies

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.19
2 - Hardly	0	0.00
3- Moderately	18	21.43
4- Mostly	35	41.67
5- Definitely	30	35.71
TOTAL	84	100.00



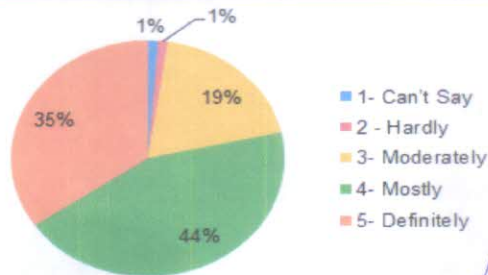
CO5 Understand the concepts of file management.

Score	No. of Students	Percentage (%)
1- Can't Say	2	2.38
2 - Hardly	0	0.00
3- Moderately	16	19.05
4- Mostly	37	44.05
5- Definitely	29	34.52
TOTAL	84	100.00



CO6 Apply concepts of I/O management and analyse techniques of disk scheduling

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.19
2 - Hardly	1	1.19
3- Moderately	16	19.05
4- Mostly	37	44.05
5- Definitely	29	34.52
TOTAL	84	100.00



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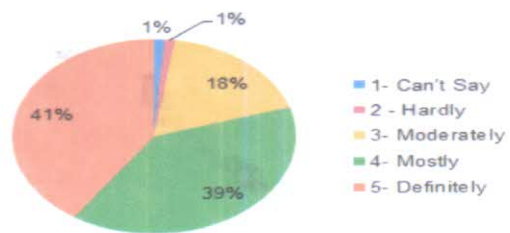
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Department of computer Engineering
Academic Year: 2020-21
Course Exit Analysis Report (SEM IV)
Subject: MP

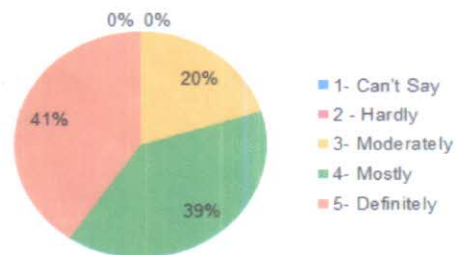
CO1 Describe core concepts of 8086 microprocessor.

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.19
2 - Hardly	1	1.19
3- Moderately	15	17.86
4- Mostly	33	39.29
5- Definitely	34	40.48
TOTAL	84	100.00



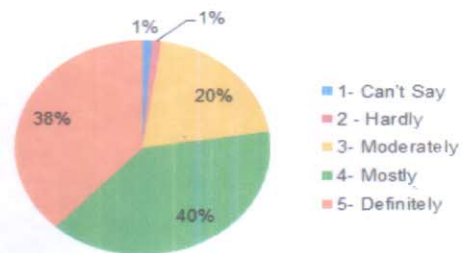
CO2 Interpret the instructions of 8086 and write assembly and Mixed language programs

Score	No. of Students	Percentage (%)
1- Can't Say	0	0.00
2 - Hardly	0	0.00
3- Moderately	17	20.24
4- Mostly	33	39.29
5- Definitely	34	40.48
TOTAL	84	100.00



Co3 Interpret the instructions of 8086 and write assembly and Mixed language programs

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.19
2 - Hardly	1	1.19
3- Moderately	17	20.24
4- Mostly	33	39.29
5- Definitely	32	38.10
TOTAL	84	100.00





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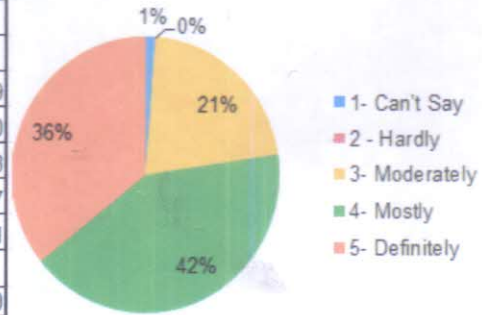
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Department of computer Engineering
Academic Year: 2020-21
Course Exit Analysis Report (SEM IV)
Subject: MP

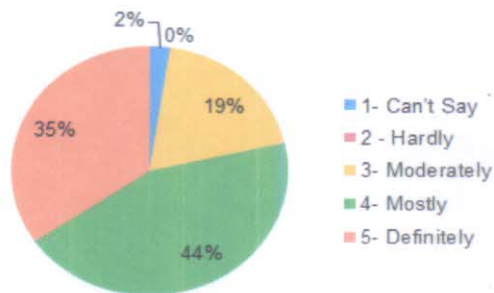
CO4 Design 8086 based system using memory and peripheral chips.

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.19
2 - Hardly	0	0.00
3- Moderately	18	21.43
4- Mostly	35	41.67
5- Definitely	30	35.71
TOTAL	84	100.00



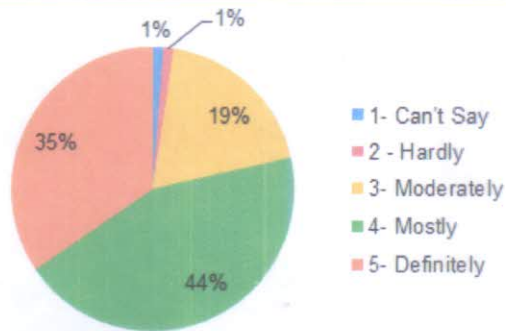
CO5 Appraise the architecture of advanced processors

Score	No. of Students	Percentage (%)
1- Can't Say	2	2.38
2 - Hardly	0	0.00
3- Moderately	16	19.05
4- Mostly	37	44.05
5- Definitely	29	34.52
TOTAL	84	100.00



CO6 Understand hyperthreading technology

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.19
2 - Hardly	1	1.19
3- Moderately	16	19.05
4- Mostly	37	44.05
5- Definitely	29	34.52
TOTAL	84	100.00




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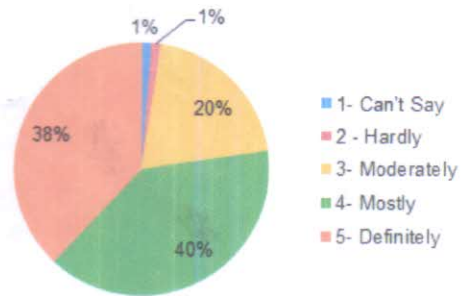
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Department of computer Engineering
 Academic Year: 2020-21
 Course Exit Analysis Report (SEM IV)
 Subject: EM -IV

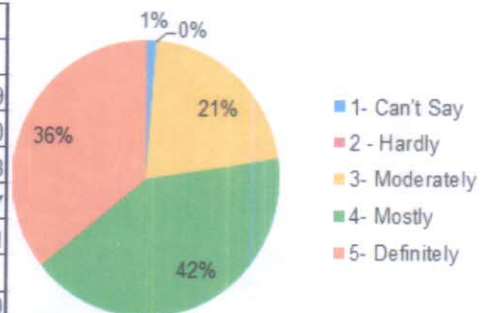
CO3 Apply the concept of Z- transformation and inverse in engineering problems

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.19
2 - Hardly	1	1.19
3- Moderately	17	20.24
4- Mostly	33	39.29
5- Definitely	32	38.10
TOTAL	84	100.00



CO4 Use the concept of probability distribution and sampling theory to engineering problems

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.19
2 - Hardly	0	0.00
3- Moderately	18	21.43
4- Mostly	35	41.67
5- Definitely	30	35.71
TOTAL	84	100.00

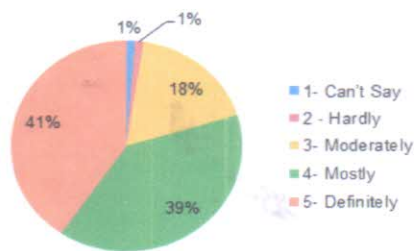




Department of computer Engineering
Academic Year: 2020-21
Course Exit Analysis Report (SEM IV)
Subject: AOA

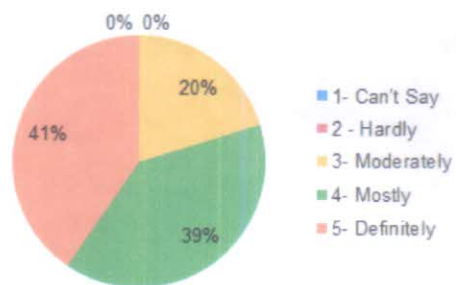
CO1 Analyze the running time and space complexity of algorithms

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.19
2 - Hardly	1	1.19
3- Moderately	15	17.86
4- Mostly	33	39.29
5- Definitely	34	40.48
TOTAL	84	100.00



Co2 Describe, apply and analyze the complexity of divide and conquer strategy.

Score	No. of Students	Percentage (%)
1- Can't Say	0	0.00
2 - Hardly	0	0.00
3- Moderately	17	20.24
4- Mostly	33	39.29
5- Definitely	34	40.48
TOTAL	84	100.00

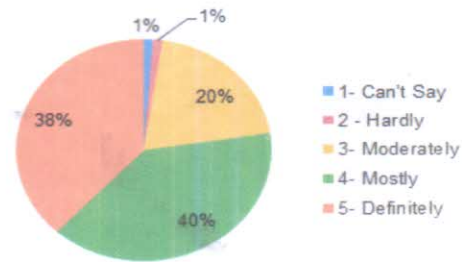




Department of computer Engineering
Academic Year: 2020-21
Course Exit Analysis Report (SEM IV)
Subject: AOA

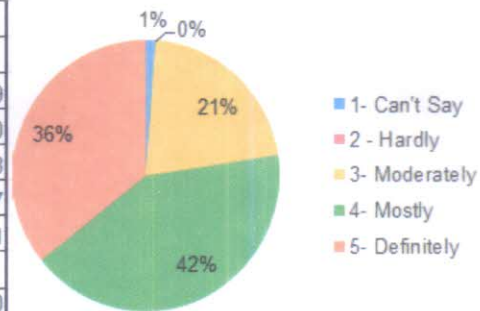
CO3 Describe, apply and analyze the complexity of greedy strategy

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.19
2 - Hardly	1	1.19
3- Moderately	17	20.24
4- Mostly	33	39.29
5- Definitely	32	38.10
TOTAL	84	100.00



CO4 Describe, apply and analyze the complexity of dynamic programming strategy

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.19
2 - Hardly	0	0.00
3- Moderately	18	21.43
4- Mostly	35	41.67
5- Definitely	30	35.71
TOTAL	84	100.00





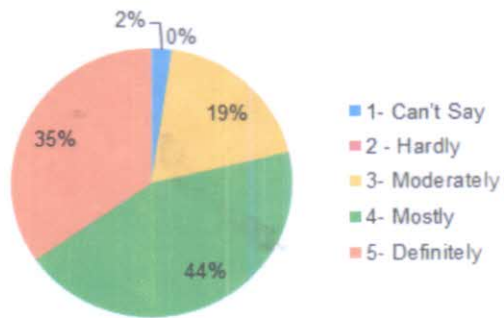
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Department of computer Engineering
Academic Year: 2020-21
Course Exit Analysis Report (SEM IV)
Subject: AOA

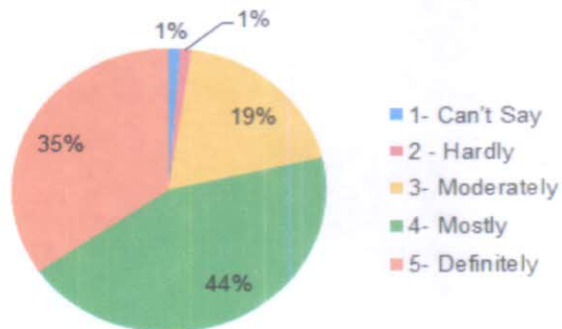
Co5 Explain and apply backtracking, branch and bound

Score	No. of Students	Percentage (%)
1- Can't Say	2	2.38
2 - Hardly	0	0.00
3- Moderately	16	19.05
4- Mostly	37	44.05
5- Definitely	29	34.52
TOTAL	84	100.00



Co6 Explain and apply string matching techniques.

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.19
2 - Hardly	1	1.19
3- Moderately	16	19.05
4- Mostly	37	44.05
5- Definitely	29	34.52
TOTAL	84	100.00




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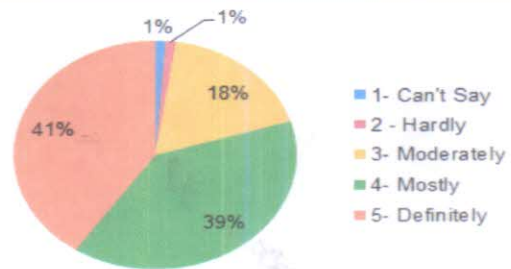
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Department of computer Engineering
Academic Year: 2020-21
Course Exit Analysis Report (SEM IV)
Subject: DBMS

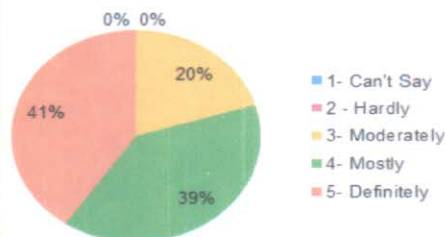
CO1 Recognize the need of database management system

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.19
2 - Hardly	1	1.19
3- Moderately	15	17.86
4- Mostly	33	39.29
5- Definitely	34	40.48
TOTAL	84	100.00



CO2 Design ER and EER diagram for real life applications

Score	No. of Students	Percentage (%)
1- Can't Say	0	0.00
2 - Hardly	0	0.00
3- Moderately	17	20.24
4- Mostly	33	39.29
5- Definitely	34	40.48
TOTAL	84	100.00





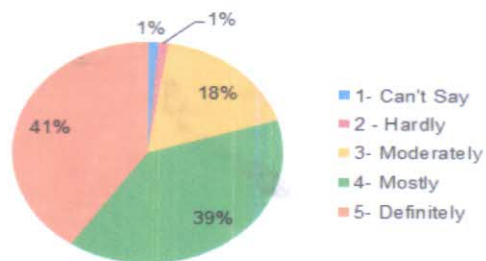
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Academic Year: 2020-21
Course Exit Analysis Report (SEM IV)
Subject: EM -IV

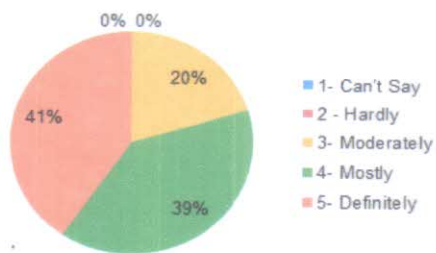
CO1 Apply the concepts of eigen values and eigenvectors in engineering problems

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.19
2 - Hardly	1	1.19
3- Moderately	15	17.86
4- Mostly	33	39.29
5- Definitely	34	40.48
TOTAL	84	100.00



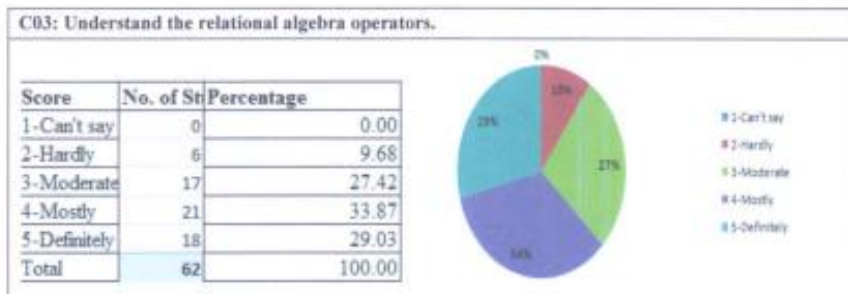
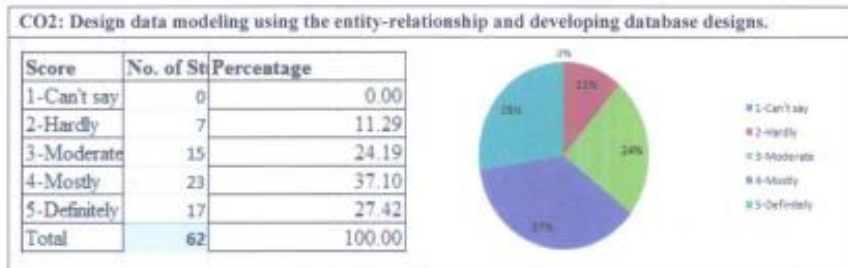
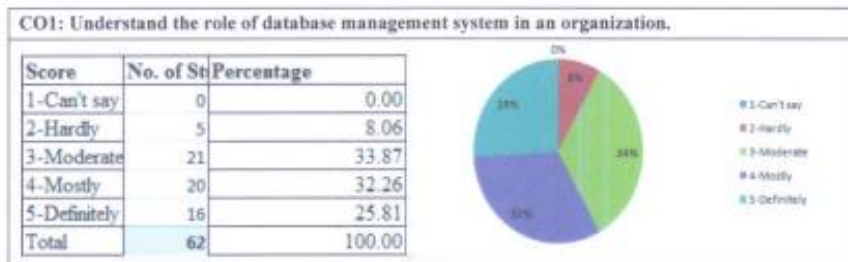
CO2 Use the concepts of Complex Integration for evaluating integrals, computing residues & evaluate various contour integrals

Score	No. of Students	Percentage (%)
1- Can't Say	0	0.00
2 - Hardly	0	0.00
3- Moderately	17	20.24
4- Mostly	33	39.29
5- Definitely	34	40.48
TOTAL	84	100.00





Department of computer Engineering
Academic Year: 2020-21 (ODD)
Course Exit Analysis Report (SEM IV)
Subject: DBMS





Department of computer Engineering
Action taken based on feedback from students (CO & PO)
Academic Year: 2020-21 (EVEN)

Summary of feedback-Semester 4:

Feedbacks collected through course exit forms were analyzed and necessary actions which are useful for students were planned and conducted. Abstract of suggestions obtained from the stakeholders to enhance the employability of the student are discussed below.

- More practice for Engineering Mathematics-IV
- Need awareness about the latest technologies and practices in industry.

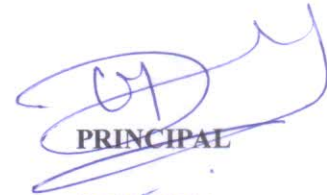
Action Taken:

Based on suggestions action taken are mentioned below.

Sr. No.	Feedback/suggestions	Action Taken	Date
1	Students needs more practice on Nonlinear Programming Problems	Useful notes are provided: https://web.mit.edu/15.053/www/AMP-Chapter-13.pdf	18/5/21
2	Maximum students were satisfied by the contents, need study material	Study material is provided	12/5/21
3	Needs Webinar on Data Analytics	Conducted webinar on "Use of Data Analytics"	25/8/21


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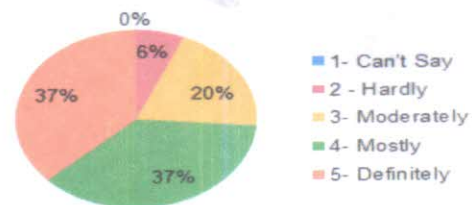
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Department of computer Engineering
Academic Year: 2020-21 (ODD)
Course Exit Analysis Report (SEM V)
Subject: COMPUTER NETWORK

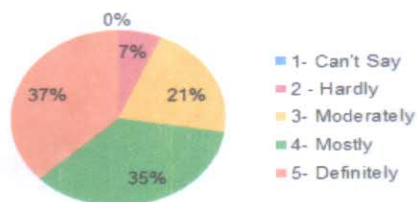
CO1 demonstrate the concepts of data communication at physical layer and compare ISO - OSI model with TCP/IP model

Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	5	6.58
3- Moderately	15	19.74
4- Mostly	28	36.84
5- Definitely	28	36.84
Total	76	100.00



CO2: Demonstrate the knowledge of networking protocols at data link layer.

Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	5	6.58
3- Moderately	16	21.05
4- Mostly	27	35.53
5- Definitely	28	36.84
Total	76	100.00





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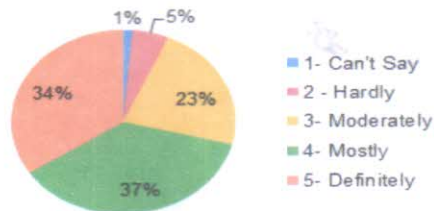
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Department of computer Engineering
Academic Year: 2020-21 (ODD)
Course Exit Analysis Report (SEM V)
Subject: COMPUTER NETWORK

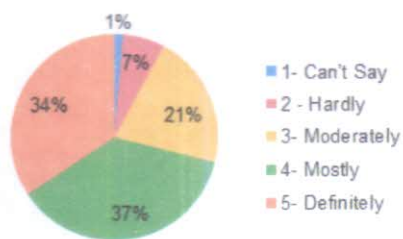
CO3 Design the network using IP addressing and subnetting / supernetting schemes

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.315789474
2 - Hardly	4	5.26
3- Moderately	17	22.37
4- Mostly	28	36.84
5- Definitely	26	34.21
Total	76	100.00



CO4 Analyze various routing algorithms and protocols at network layer.

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.315789474
2 - Hardly	5	6.58
3- Moderately	16	21.05
4- Mostly	28	36.84
5- Definitely	26	34.21
Total	76	100.00





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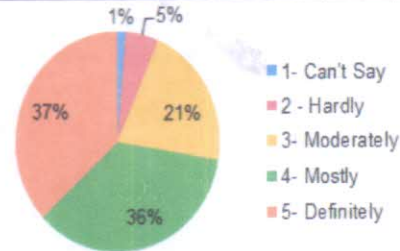
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Department of computer Engineering
Academic Year: 2020-21 (ODD)
Course Exit Analysis Report (SEM V)
Subject: COMPUTER NETWORK

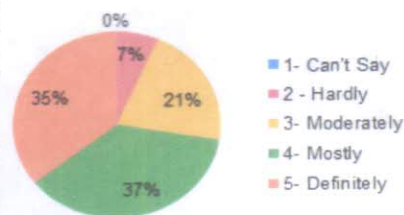
CO5 Analyze transport layer protocols and congestion control algorithms.

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.315789474
2 - Hardly	4	5.26
3- Moderately	16	21.05
4- Mostly	27	35.53
5- Definitely	28	36.84
Total	76	100.00



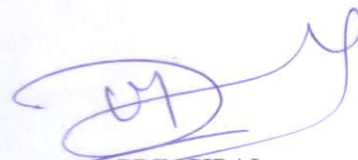
CO6 Explore protocols at application layer.

Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	5	6.58
3- Moderately	16	21.05
4- Mostly	28	36.84
5- Definitely	27	35.53
Total	76	100.00




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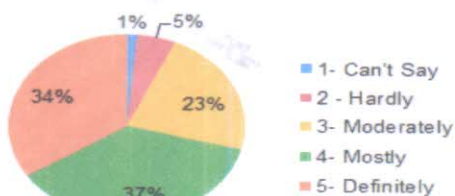
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Department of computer Engineering
Academic Year: 2020-21 (ODD)
Course Exit Analysis Report (SEM V)
Subject: DBMS

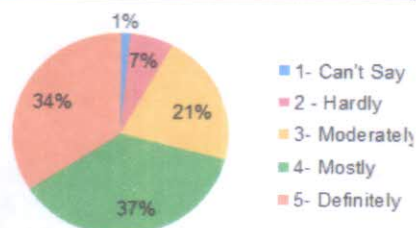
CO1 Recognize the need of database management system

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.315789474
2 - Hardly	4	5.26
3- Moderately	17	22.37
4- Mostly	28	36.84
5- Definitely	26	34.21
Total	76	100.00



CO2 Design ER and EER diagram for real life applications

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.315789474
2 - Hardly	5	6.58
3- Moderately	16	21.05
4- Mostly	28	36.84
5- Definitely	26	34.21
Total	76	100.00

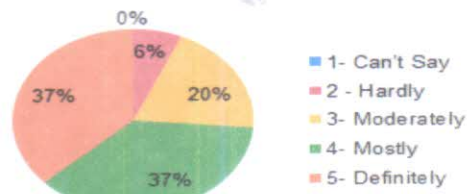




Department of computer Engineering
Academic Year: 2020-21 (ODD)
Course Exit Analysis Report (SEM V)
Subject: DBMS

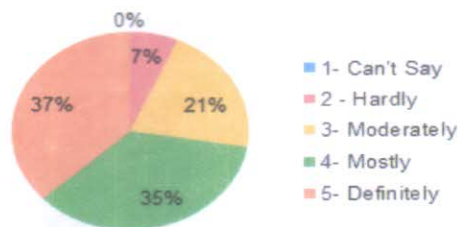
CO3 Construct relational model and write relational algebra queries

Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	5	6.58
3- Moderately	15	19.74
4- Mostly	28	36.84
5- Definitely	28	36.84
Total	76	100.00



CO4 Formulate SQL queries

Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	5	6.58
3- Moderately	16	21.05
4- Mostly	27	35.53
5- Definitely	28	36.84
Total	76	100.00

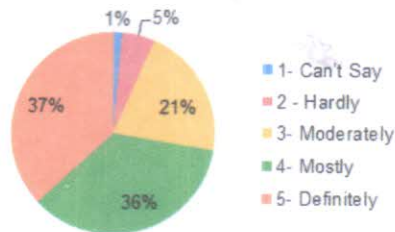




Department of computer Engineering
Academic Year: 2020-201 (ODD)
Course Exit Analysis Report (SEM V)
Subject: DBMS

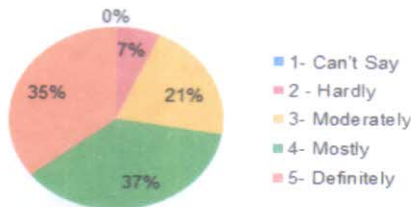
CO5 Apply the concept of normalization to relational database design.

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.315789474
2 - Hardly	4	5.26
3- Moderately	16	21.05
4- Mostly	27	35.53
5- Definitely	28	36.84
Total	76	100.00



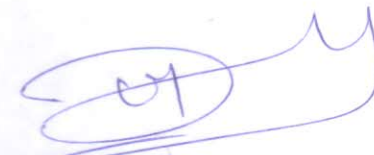
CO6 Describe the concept of transaction, concurrency and recovery

Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	5	6.58
3- Moderately	16	21.05
4- Mostly	28	36.84
5- Definitely	27	35.53
Total	76	100.00




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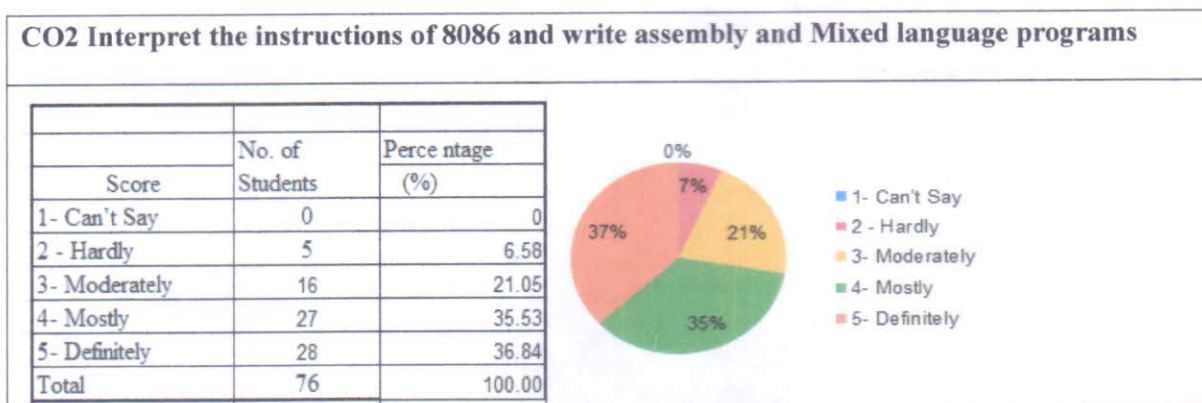
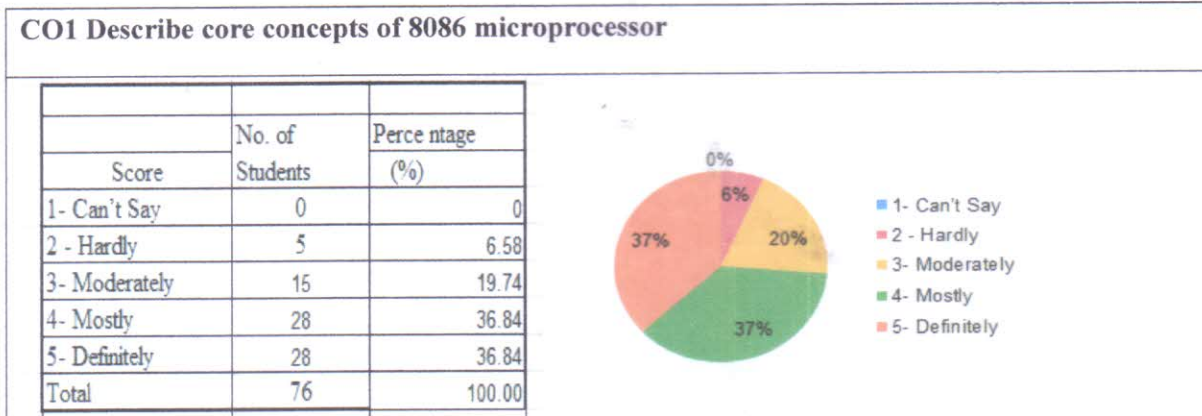


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Department of computer Engineering
Academic Year: 2020-21 (ODD)
Course Exit Analysis Report (SEM V)
Subject: Microprocessor

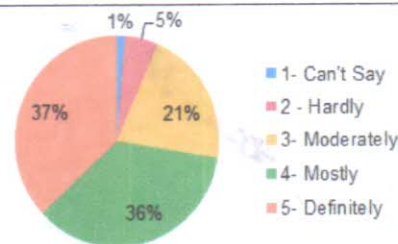




Department of computer Engineering
Academic Year: 2020-21 (ODD)
Course Exit Analysis Report (SEM V)
Subject: DBMS

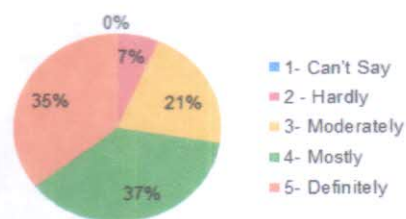
CO3 Identify the specifications of peripheral chip.

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.315789474
2 - Hardly	4	5.26
3- Moderately	16	21.05
4- Mostly	27	35.53
5- Definitely	28	36.84
Total	76	100.00



CO4 Design 8086 based system using memory and peripheral chips.

Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	5	6.58
3- Moderately	16	21.05
4- Mostly	28	36.84
5- Definitely	27	35.53
Total	76	100.00

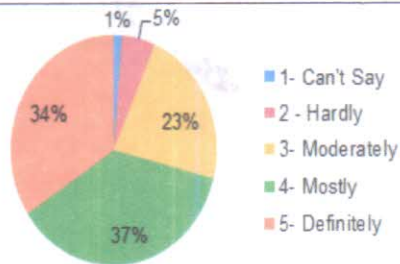




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Course Exit Analysis Report (SEM V)
Subject: DBMS

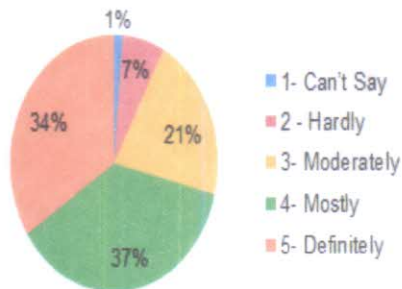
CO5 Appraise the architecture of advanced processors

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.315789474
2 - Hardly	4	5.26
3- Moderately	17	22.37
4- Mostly	28	36.84
5- Definitely	26	34.21
Total	76	100.00



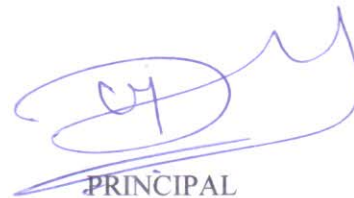
CO6 Understand hyper threading technology

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.315789474
2 - Hardly	5	6.58
3- Moderately	16	21.05
4- Mostly	28	36.84
5- Definitely	26	34.21
Total	76	100.00




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Kharghar, Navi Mumbai-410210



Department of computer Engineering
Action taken based on feedback from students (CO & PO)
Academic Year: 2020-21 (ODD)

Summary of feedback-Semester 5:

Feedbacks collected through course exit forms were analyzed and necessary actions which are useful for students were planned and conducted. Abstract of suggestions obtained from the stakeholders to enhance the employability of the student are discussed below.

- More practice for Microprocessor.
- Need practical approach for Theoretical Computer Science.
- Need IEEE format for technical paper writing.
- Exposure to providing a sound theoretical background as well as good practical approach.


Action Taken:

Based on suggestions action taken are mentioned below.

Sr. No.	Feedback/suggestions	Action Taken	Date
1	Few students require video links	Links are provided https://www.javatpoint.com/microprocessor-vs-microcontroller	12/10/20
2	Students are satisfied by the content	Notes are provided	15/10/20
3	required more content for subnetting	this topic is explained through content given in notes and working videos as well. https://ipciso.com/lesson/ip-subnetting-and-subnetting-examples/	11/10/20
4	Need practical approach for Theoretical Computer Science.	Provide useful links https://www.urbanpro.com/c-language/necessity-of-theory-and-practical-in-computer-science	7/10/20
5	Need IEEE format for technical paper writing	Instruction is provided: https://essaypro.com/blog/ieee-format	22/10/20


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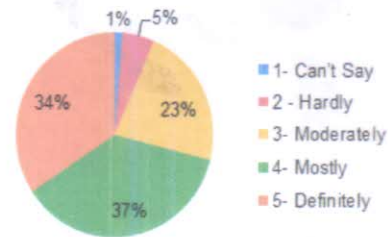
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Department of computer Engineering
Academic Year: 2020-21(EVEN)
Course Exit Analysis Report (SEM VI)
Subject: CSS

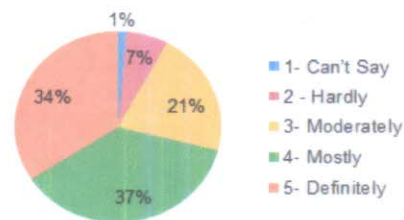
CO1 Understand system security goals and concepts, classical encryption techniques and acquire fundamental knowledge on the concepts of modular arithmetic and number theory

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.315789474
2 - Hardly	4	5.26
3- Moderately	17	22.37
4- Mostly	28	36.84
5- Definitely	26	34.21
Total	76	100.00



CO2 Understand system security goals and concepts, classical encryption techniques and acquire fundamental knowledge on the concepts of modular arithmetic

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.315789474
2 - Hardly	5	6.58
3- Moderately	16	21.05
4- Mostly	28	36.84
5- Definitely	26	34.21
Total	76	100.00

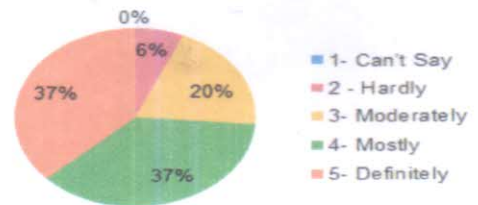




Department of computer Engineering
Academic Year: 2020-21
Course Exit Analysis Report (SEM VI)
Subject: CSS

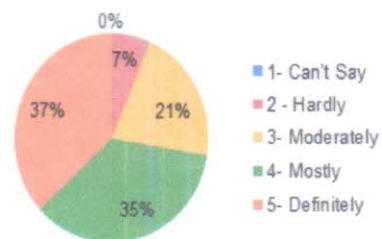
CO3:- Apply the knowledge of cryptographic checksums and evaluate the performance of different message digest algorithms for verifying the integrity of varying message sizes.

Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	5	6.58
3- Moderately	15	19.74
4- Mostly	28	36.84
5- Definitely	28	36.84
Total	76	100.00



CO4 Apply different digital signature algorithms to achieve authentication and design secure applications

Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	5	6.58
3- Moderately	16	21.05
4- Mostly	27	35.53
5- Definitely	28	36.84
Total	76	100.00





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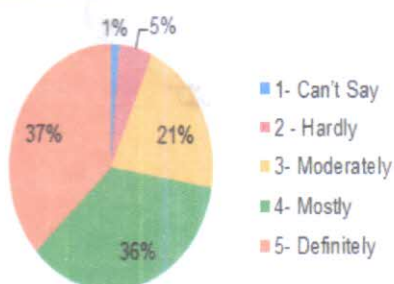
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Department of computer Engineering
Academic Year: 2020-21(EVEN)
Course Exit Analysis Report (SEM VI)
Subject: CSS

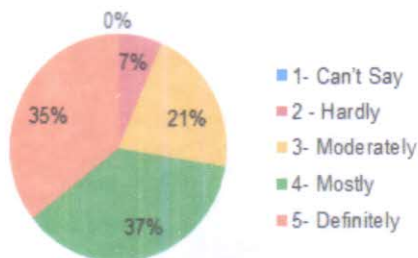
CO5 Understand network security basics, analyze different attacks on networks and evaluate the performance of firewalls and security protocols like SSL, IPsec, and PGP.


Score	No. of Students	Percentage (%)
1- Can't Say	1	1.315789474
2 - Hardly	4	5.26
3- Moderately	16	21.05
4- Mostly	27	35.53
5- Definitely	28	36.84
Total	76	100.00



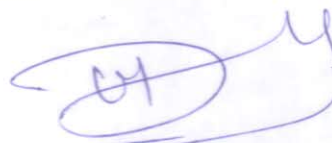
CO6 Analyze and apply system security concept to recognize malicious code.

Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	5	6.58
3- Moderately	16	21.05
4- Mostly	28	36.84
5- Definitely	27	35.53
Total	76	100.00




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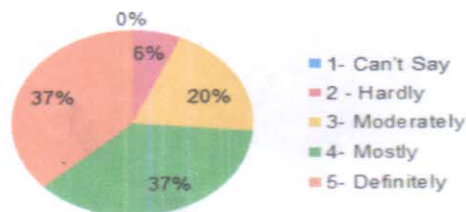
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Department of computer Engineering
Academic Year: 2020-21
Course Exit Analysis Report (SEM VI)
Subject: DWM

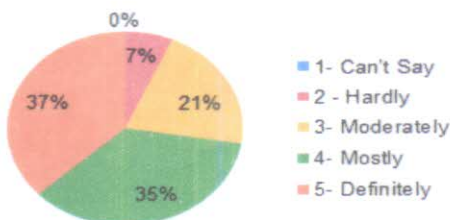
CO1 Understand Data Warehouse fundamentals, Data Mining Principles

Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	5	6.58
3- Moderately	15	19.74
4- Mostly	28	36.84
5- Definitely	28	36.84
Total	76	100.00



CO2 Design data warehouse with dimensional modelling and apply OLAP operations

Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	5	6.58
3- Moderately	16	21.05
4- Mostly	27	35.53
5- Definitely	28	36.84
Total	76	100.00

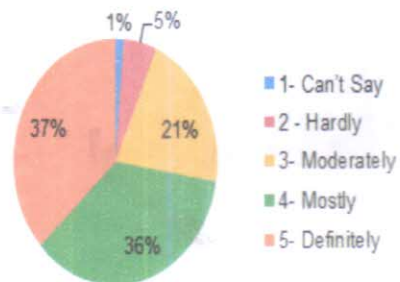




Department of computer Engineering
Academic Year: 2020-21
Course Exit Analysis Report (SEM VI)
Subject: DWM

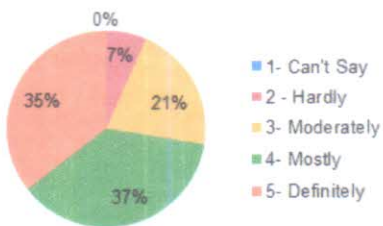
CO3 Identify appropriate data mining algorithms to solve real world problems

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.315789474
2 - Hardly	4	5.26
3- Moderately	16	21.05
4- Mostly	27	35.53
5- Definitely	28	36.84
Total	76	100.00



CO4 Compare and evaluate different data mining techniques like classification, prediction, clustering and association rule mining

Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	5	6.58
3- Moderately	16	21.05
4- Mostly	28	36.84
5- Definitely	27	35.53
Total	76	100.00

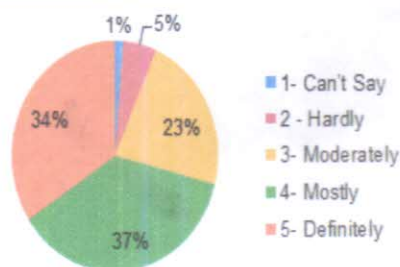




Department of computer Engineering
Academic Year: 2020-21
Course Exit Analysis Report (SEM VI)
Subject: DWM

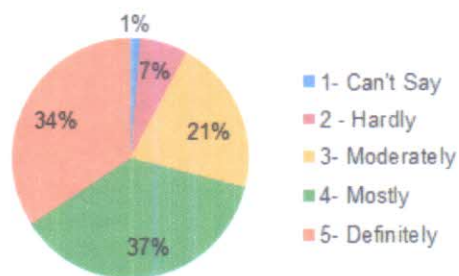
CO5 Describe complex data types with respect to spatial and web mining

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.315789474
2 - Hardly	4	5.26
3- Moderately	17	22.37
4- Mostly	28	36.84
5- Definitely	26	34.21
Total	76	100.00



CO6 Benefit the user experiences towards research and innovation

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.315789474
2 - Hardly	5	6.58
3- Moderately	16	21.05
4- Mostly	28	36.84
5- Definitely	26	34.21
Total	76	100.00




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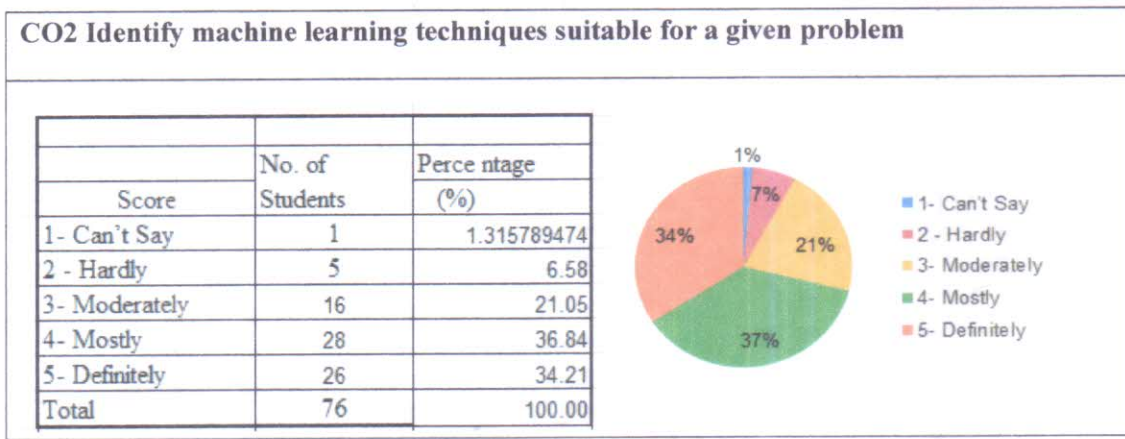
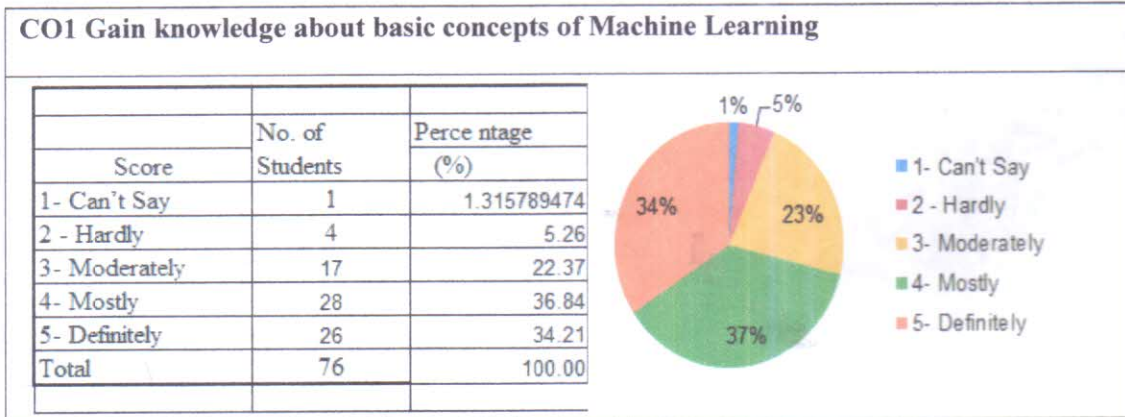
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Department of computer Engineering
Academic Year: 2020-21
Course Exit Analysis Report (SEM VI)
Subject: ML

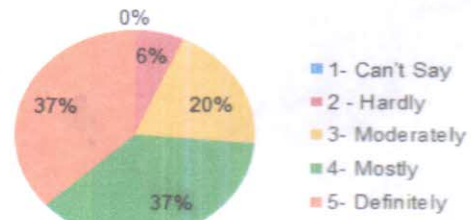




Department of computer Engineering
Academic Year: 2020-21
Course Exit Analysis Report (SEM VI)
Subject: ML

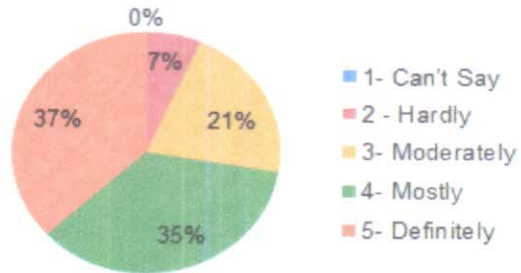
CO3 Solve the problems using various machine learning

Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	5	6.58
3- Moderately	15	19.74
4- Mostly	28	36.84
5- Definitely	28	36.84
Total	76	100.00



CO4 Apply Dimensionality reduction techniques.

Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	5	6.58
3- Moderately	16	21.05
4- Mostly	27	35.53
5- Definitely	28	36.84
Total	76	100.00





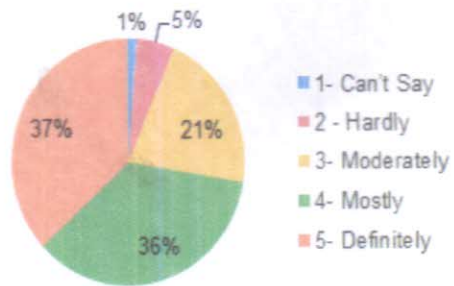
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Department of computer Engineering
 Academic Year: 2020-21
 Course Exit Analysis Report (SEM VI)
 Subject: ML

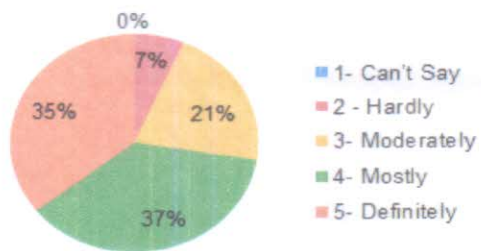
CO5 Design application using machine learning techniques


Score	No. of Students	Percentage (%)
1- Can't Say	1	1.315789474
2 - Hardly	4	5.26
3- Moderately	16	21.05
4- Mostly	27	35.53
5- Definitely	28	36.84
Total	76	100.00



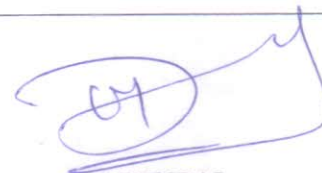
CO6 learning with regression and trees

Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	5	6.58
3- Moderately	16	21.05
4- Mostly	28	36.84
5- Definitely	27	35.53
Total	76	100.00




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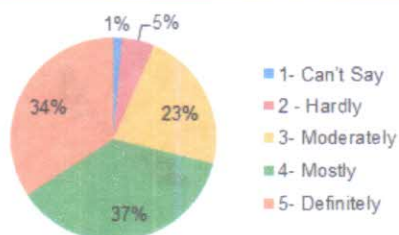
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Department of computer Engineering
Academic Year: 2020-21
Course Exit Analysis Report (SEM VI)
Subject: SE

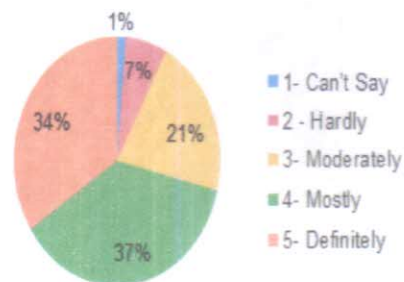
CO1 Understand and demonstrate basic knowledge in software engineering

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.315789474
2 - Hardly	4	5.26
3- Moderately	17	22.37
4- Mostly	28	36.84
5- Definitely	26	34.21
Total	76	100.00



CO2 Identify requirements analyze and prepare models.

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.315789474
2 - Hardly	5	6.58
3- Moderately	16	21.05
4- Mostly	28	36.84
5- Definitely	26	34.21
Total	76	100.00

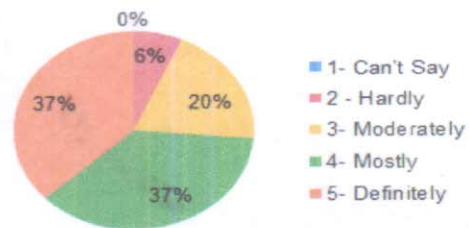




Department of computer Engineering
Academic Year: 2020-21
Course Exit Analysis Report (SEM VI)
Subject: SE

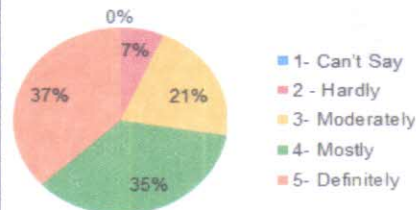
CO3 Plan, schedule and track the progress of the projects

Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	5	6.58
3- Moderately	15	19.74
4- Mostly	28	36.84
5- Definitely	28	36.84
Total	76	100.00



CO4 Design & develop the software projects

Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	5	6.58
3- Moderately	16	21.05
4- Mostly	27	35.53
5- Definitely	28	36.84
Total	76	100.00





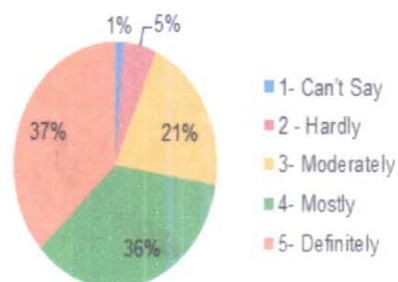
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Department of computer Engineering
Academic Year: 2020-21
Course Exit Analysis Report (SEM VI)
Subject: SE

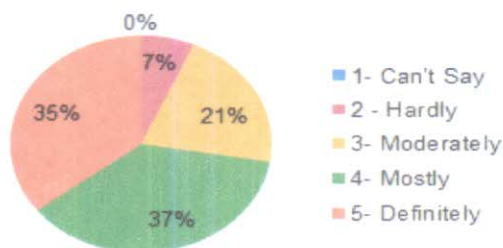
CO5 Identify risks, manage the change to assure quality in software projects.

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.315789474
2 - Hardly	4	5.26
3- Moderately	16	21.05
4- Mostly	27	35.53
5- Definitely	28	36.84
Total	76	100.00



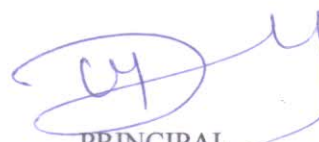
CO6 Apply testing principles on software project and understand the maintenance concepts.

Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	5	6.58
3- Moderately	16	21.05
4- Mostly	28	36.84
5- Definitely	27	35.53
Total	76	100.00




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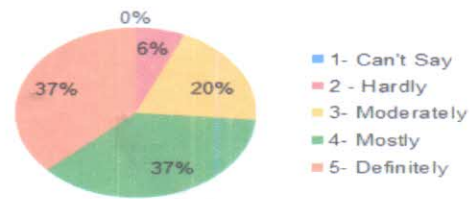
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Department of computer Engineering
Academic Year: 2020-21
Course Exit Analysis Report (SEM VI)
Subject: SPCC

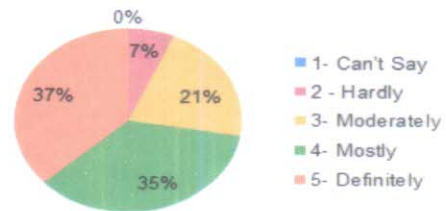
CO1 Identify the relevance of different system programs.

Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	5	6.58
3- Moderately	15	19.74
4- Mostly	28	36.84
5- Definitely	28	36.84
Total	76	100.00



CO2 Describe the various data structures and passes of assembler design

Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	5	6.58
3- Moderately	16	21.05
4- Mostly	27	35.53
5- Definitely	28	36.84
Total	76	100.00

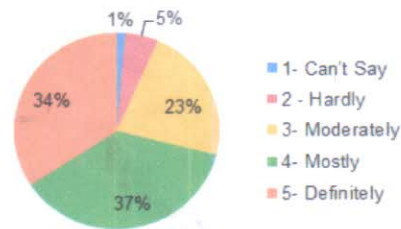




Department of computer Engineering
Academic Year: 2020-21
Course Exit Analysis Report (SEM VI)
Subject: SPCC

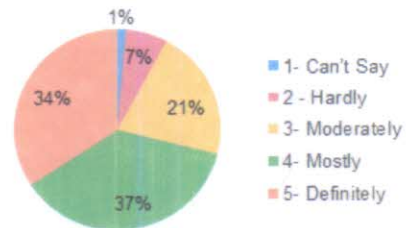
CO3 Identify the need for different features and designing of macros

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.315789474
2 - Hardly	4	5.26
3- Moderately	17	22.37
4- Mostly	28	36.84
5- Definitely	26	34.21
Total	76	100.00



CO4 Distinguish different loaders and linkers and their contribution in developing efficient user applications

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.315789474
2 - Hardly	5	6.58
3- Moderately	16	21.05
4- Mostly	28	36.84
5- Definitely	26	34.21
Total	76	100.00





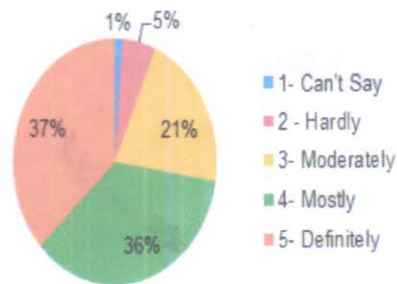
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Department of computer Engineering
 Academic Year: 2020-21
 Course Exit Analysis Report (SEM VI)
 Subject: SPCC

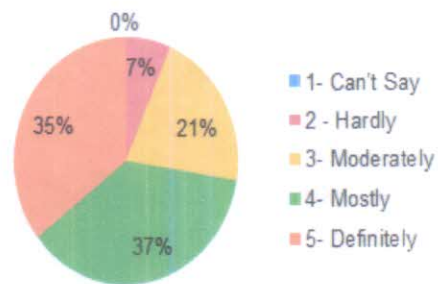
CO5 Construct different parsers for given context free grammars.

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.315789474
2 - Hardly	4	5.26
3- Moderately	16	21.05
4- Mostly	27	35.53
5- Definitely	28	36.84
Total	76	100.00



CO6 Justify the need synthesis phase to produce object code optimized in terms of high execution speed and less memory usage

Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	5	6.58
3- Moderately	16	21.05
4- Mostly	28	36.84
5- Definitely	27	35.53
Total	76	100.00




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Department of computer Engineering
Action taken based on feedback from students (CO & PO)
Academic Year: 2020-21 (EVEN)

Summary of feedback-Semester 6:

Feedbacks collected through course exit forms were analyzed and necessary actions which are useful for students were planned and conducted. Abstract of suggestions obtained from the stakeholders to enhance the employability of the student are discussed below.

- More practice for Mobile Computing & communication.
- Need awareness about the latest technologies and practices in industry.
- Needs training on Flutter developer.

Action Taken:

Based on suggestions action taken are mentioned below.

Sr. No.	Feedback/suggestions	Action Taken	Date
1	Content provided in syllabus is vast and needs notes about micro Mobility	Notes were given and link is given to cover the remaining topics	14/5/21
2	Maximum students were satisfied by the contents, need study material	Some extra links are given to student https://www.tutorialspoint.com/artificial_intelligence/artificial_intelligence_overview.htm	16/5/21
3	Need more practice on implementation of Classification algorithm	Useful links are provided: https://www.datasciencecentral.com/implementation-of-17-classification-algorithms-in-r/	20/5/21
4	Needs training on Flutter developer	Webinar conducted on "Flutter developer"	13/10/21

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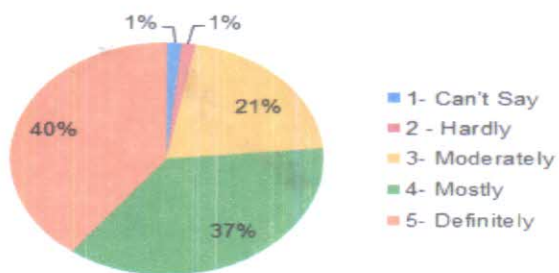
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Department of computer Engineering
Academic Year: 2020-21 (ODD)
Course Exit Analysis Report (SEM VII)
Subject: AISC

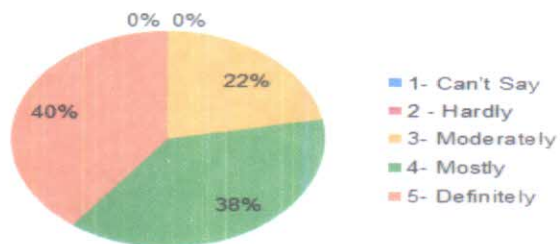
CO1 Identify the various characteristics of Artificial Intelligence and Soft Computing techniques

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.47
2 - Hardly	1	1.47
3- Moderately	14	20.59
4- Mostly	25	36.76
5- Definitely	27	39.71
Total	68	100



CO2 Choose an appropriate problem solving method for an agent to find a sequence of actions to reach the goal state

Score	No. of Students	Percentage (%)
1- Can't Say	0	0.00
2 - Hardly	0	0.00
3- Moderately	15	22.06
4- Mostly	26	38.24
5- Definitely	27	39.71
Total	68	100

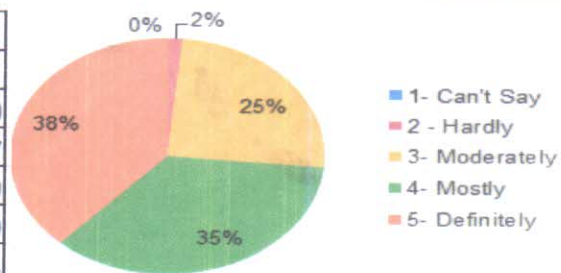




Department of computer Engineering
Academic Year: 2020-21 (ODD)
Course Exit Analysis Report (SEM VII)
Subject: AISC

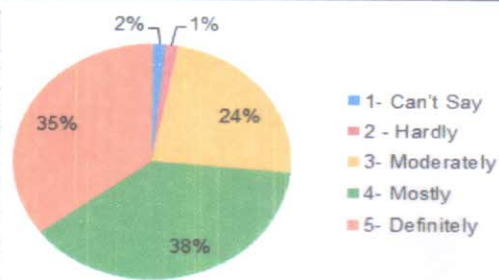
CO3 Analyse the strength and weakness of AI approaches to knowledge representation, reasoning and planning

Score	No. of Students	Percentage (%)
1- Can't Say	0	0.00
2 - Hardly	1	1.47
3- Moderately	17	25.00
4- Mostly	24	35.29
5- Definitely	26	38.24
Total	68	100



CO4 Construct supervised and unsupervised ANN for real world applications

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.47
2 - Hardly	1	1.47
3- Moderately	16	23.53
4- Mostly	26	38.24
5- Definitely	24	35.29
Total	68	100

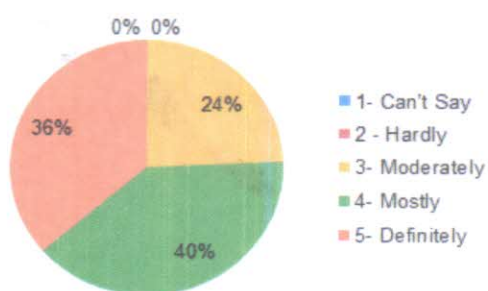




Department of computer Engineering
Academic Year: 2020-21 (ODD)
Course Exit Analysis Report (SEM VII)
Subject: AISC

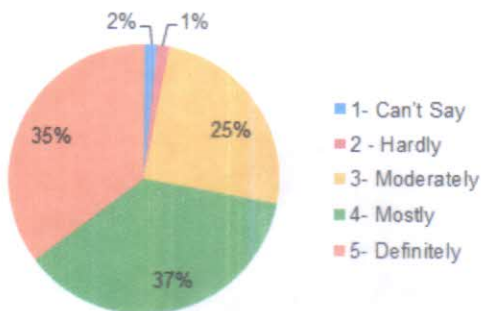
CO5 Design fuzzy controller system

Score	No. of Students	Percentage (%)
1- Can't Say	0	0.00
2 - Hardly	0	0.00
3- Moderately	16	23.53
4- Mostly	26	38.24
5- Definitely	24	35.29
Total	66	97.05882353



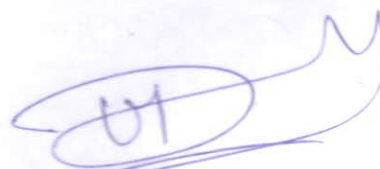
CO6 Apply Hybrid approach for expert system design

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.47
2 - Hardly	1	1.47
3- Moderately	17	25.00
4- Mostly	25	36.76
5- Definitely	24	35.29
Total	68	100




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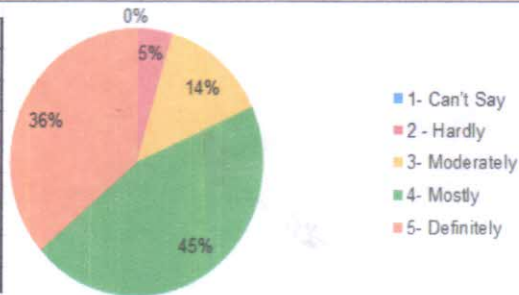
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Department of computer Engineering
Academic Year: 2020-21 (ODD)
Course Exit Analysis Report (SEM VII)
Subject: ASSDF

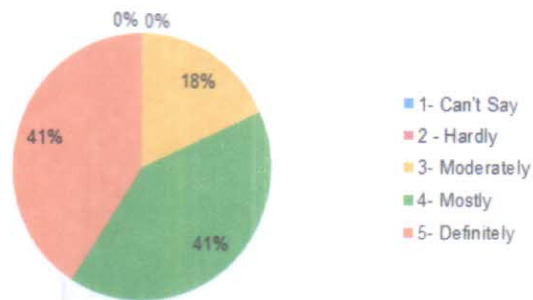
CO1 Understand cyber attacks and apply access control policies and control mechanisms

Score	No. of Students	Percentage (%)
1- Can't Say	0	0.00
2 - Hardly	1	4.55
3- Moderately	3	13.64
4- Mostly	10	45.45
5- Definitely	8	36.36
TOTAL	22	100.00



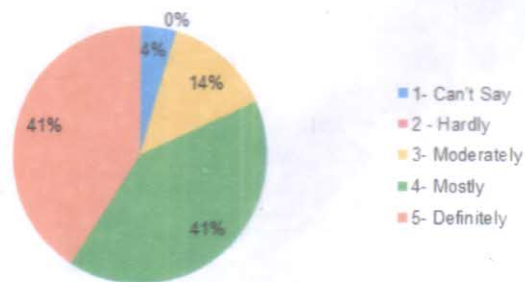
CO2 Identify malicious code and targeted malicious code.

Score	No. of Students	Percentage (%)
1- Can't Say	0	0.00
2 - Hardly	0	0.00
3- Moderately	4	18.18
4- Mostly	9	40.91
5- Definitely	9	40.91
TOTAL	22	100.00



CO3 Detect and counter threats to web applications

Score	No. of Students	Percentage (%)
1- Can't Say	1	4.55
2 - Hardly	0	0.00
3- Moderately	3	13.64
4- Mostly	9	40.91
5- Definitely	9	40.91
TOTAL	22	100.00

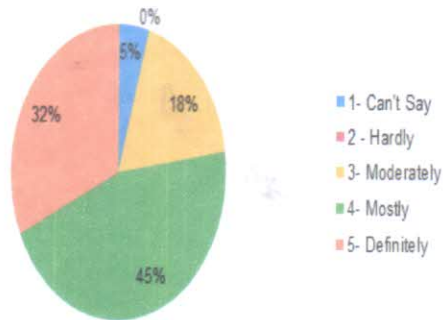




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Course Exit Analysis Report (SEM VII)
Subject: ASSDF

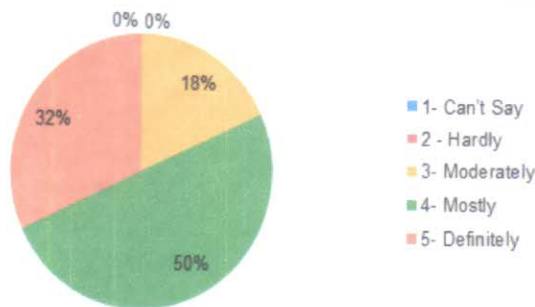
Co4 Understand the vulnerabilities of Wi-Fi networks and explore different measures to secure wireless protocols, WLAN and VPN networks

Score	No. of Students	Percentage (%)
1- Can't Say	1	4.55
2 - Hardly	0	0.00
3- Moderately	4	18.18
4- Mostly	10	45.45
5- Definitely	7	31.82
TOTAL	22	100.00



CO5 Understand the ethical and legal issues associated with cyber crimes and be able to mitigate impact of crimes with suitable policies

Score	No. of Students	Percentage (%)
1- Can't Say	0	0.00
2 - Hardly	0	0.00
3- Moderately	4	18.18
4- Mostly	11	50.00
5- Definitely	7	31.82
TOTAL	22	100.00

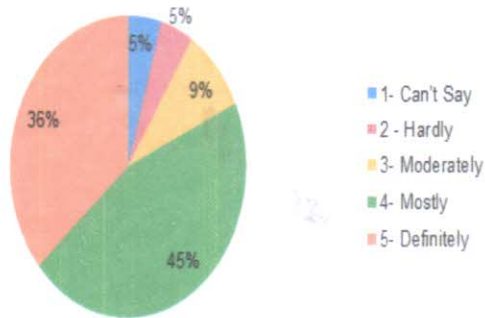




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Academic Year: 2020-21 (ODD)
Course Exit Analysis Report (SEM VII)
Subject: ASSDF


CO6 Use different forensic tools to acquire and duplicate data from compromised systems and analyse the same.

Score	No. of Students	Percentage (%)
1- Can't Say	1	4.55
2 - Hardly	1	4.55
3- Moderately	2	9.09
4- Mostly	10	45.45
5- Definitely	8	36.36
TOTAL	22	100.00




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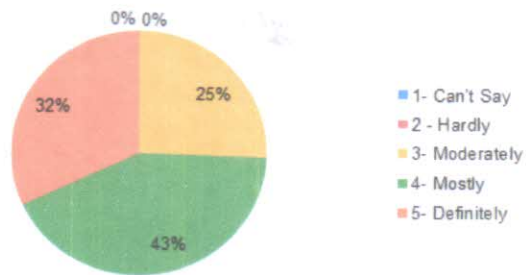
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Department of computer Engineering
Academic Year: 2020-21 (ODD)
Course Exit Analysis Report (SEM VII)
Subject: BDA

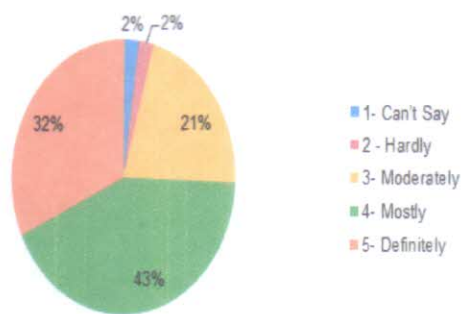
CO1 To Understand the key issues in big data management and its associated applications for business decisions and strategy

Score	No. of Students	Percentage (%)
1- Can't Say	0	0.00
2 - Hardly	0	0.00
3- Moderately	12	25.53
4- Mostly	20	42.55
5- Definitely	15	31.91
TOTAL	47	100.00



CO2 To Develop problem solving and critical thinking skills in fundamental enabling techniques like Hadoop, Mapreduce and NoSQL in big data analytics.

Score	No. of Students	Percentage (%)
1- Can't Say	1	2.13
2 - Hardly	1	2.13
3- Moderately	10	21.28
4- Mostly	20	42.55
5- Definitely	15	31.91
TOTAL	47	100.00

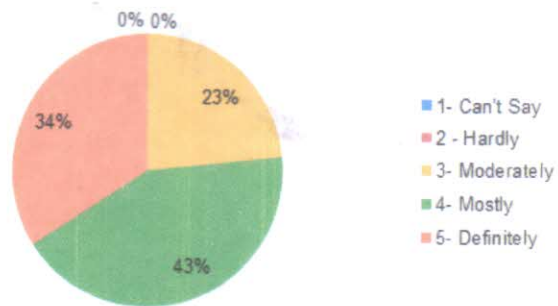




Department of computer Engineering
Academic Year: 2020-21 (ODD)
Course Exit Analysis Report (SEM VII)
Subject: BDA

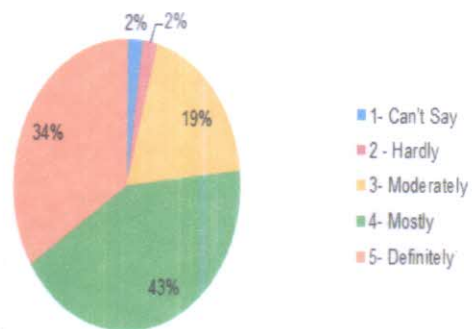
CO3 Collect, manage, store, query and analyze various forms of Big Data

Score	No. of Students	Percentage (%)
1- Can't Say	0	0.00
2 - Hardly	0	0.00
3- Moderately	11	23.40
4- Mostly	20	42.55
5- Definitely	16	34.04
TOTAL	47	100.00



CO4 Interpret business models and scientific computing paradigms, and apply software tools for big data analytics.

Score	No. of Students	Percentage (%)
1- Can't Say	1	2.13
2 - Hardly	1	2.13
3- Moderately	9	19.15
4- Mostly	20	42.55
5- Definitely	16	34.04
TOTAL	47	100.00





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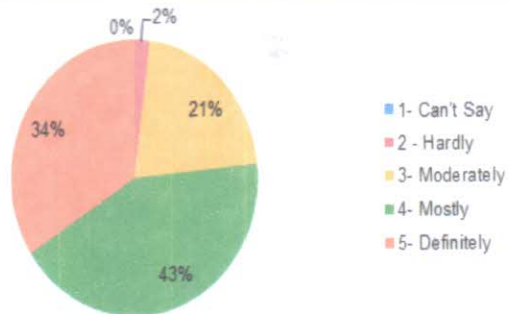
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Department of computer Engineering
 Academic Year: 2020-21 (ODD)
 Course Exit Analysis Report (SEM VII)
 Subject: BDA

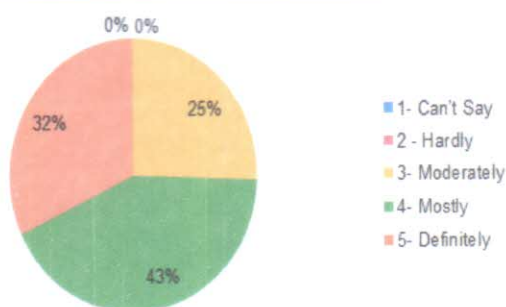
CO5 Adapt adequate perspectives of big data analytics in various applications like recommender systems, social media applications etc.

Score	No. of Students	Percentage (%)
1- Can't Say	0	0.00
2 - Hardly	1	2.13
3- Moderately	10	21.28
4- Mostly	20	42.55
5- Definitely	16	34.04
TOTAL	47	100.00



CO6 Solve Complex real world problems in various applications like recommender systems, social media applications, health and medical systems, etc

Score	No. of Students	Percentage (%)
1- Can't Say	0	0.00
2 - Hardly	0	0.00
3- Moderately	12	25.53
4- Mostly	20	42.55
5- Definitely	15	31.91
TOTAL	47	100.00



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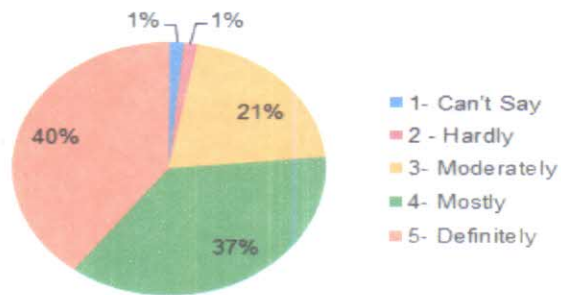
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Department of computer Engineering
Academic Year: 2020-21 (ODD)
Course Exit Analysis Report (SEM VII)
Subject: CSL

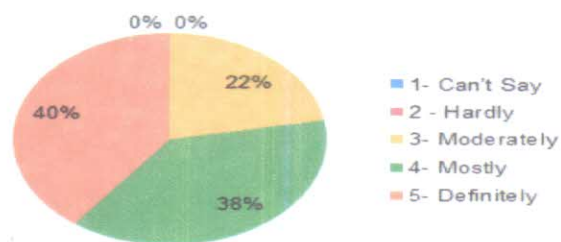
CO1 To understand and identify different types cybercrime and cyber law

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.47
2 - Hardly	1	1.47
3- Moderately	14	20.59
4- Mostly	25	36.76
5- Definitely	27	39.71
Total	68	100



CO2 To recognized Indian IT Act 2008 and its latest amendments

Score	No. of Students	Percentage (%)
1- Can't Say	0	0.00
2 - Hardly	0	0.00
3- Moderately	15	22.06
4- Mostly	26	38.24
5- Definitely	27	39.71
Total	68	100

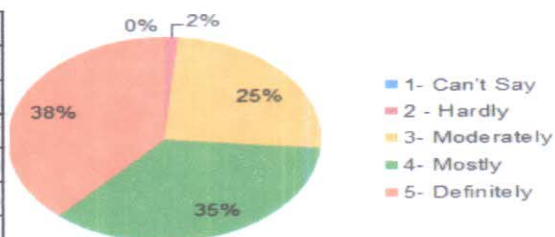




Department of computer Engineering
Academic Year: 2020-21 (ODD)
Course Exit Analysis Report (SEM VII)
Subject: CSL

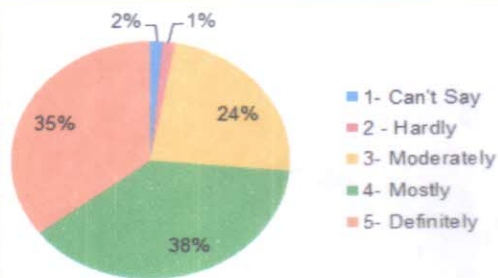
CO3. To learn various types of security standards compliances

Score	No. of Students	Percentage (%)
1- Can't Say	0	0.00
2 - Hardly	1	1.47
3- Moderately	17	25.00
4- Mostly	24	35.29
5- Definitely	26	38.24
Total	68	100



CO4. Understand the concept of cybercrime and its effect on outside world

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.47
2 - Hardly	1	1.47
3- Moderately	16	23.53
4- Mostly	26	38.24
5- Definitely	24	35.29
Total	68	100





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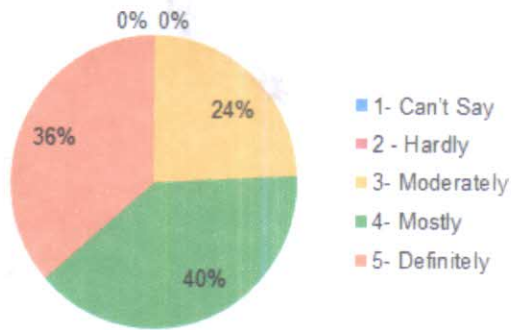
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Department of computer Engineering
Academic Year: 2020-21 (ODD)
Course Exit Analysis Report (SEM VII)
Subject: CSL

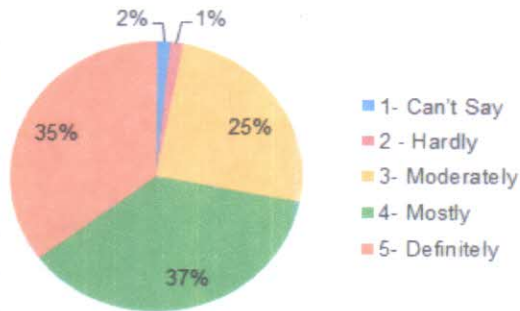
CO5 Understand IT law in various legal issues

Score	No. of Students	Percentage (%)
1- Can't Say	0	0.00
2 - Hardly	0	0.00
3- Moderately	16	23.53
4- Mostly	26	38.24
5- Definitely	24	35.29
Total	66	97.05882353



CO6. Understand aspects of cyber law

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.47
2 - Hardly	1	1.47
3- Moderately	17	25.00
4- Mostly	25	36.76
5- Definitely	24	35.29
Total	68	100



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Action taken based on feedback from students (CO & PO)
Academic Year: 2020-21 (ODD)

Summary of feedback-Semester 7:

Feedbacks collected through course exit forms were analyzed and necessary actions which are useful for students were planned and conducted. Abstract of suggestions obtained from the stakeholders to enhance the employability of the student are discussed below.

- More practice for Natural language processing
- Need help in Hybrid approach for expert system design.
- Exposure to different forensic tools to acquire and duplicate data.
- Need animated videos for better understanding.

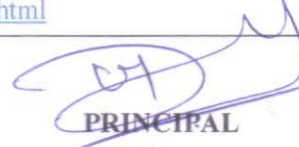
Action Taken:

Based on suggestions action taken are mentioned below.

Sr. no	Feedback/suggestions	Action Taken	Date
1	Content provided in syllabus is vast and needs notes	Notes were given and link is given to cover the remaining topics https://drive.google.com/file/d/1ZrKycXYOdr2Dn8UMRCa91tjFFwNr_udl/view?usp=sharing	13/10/20
2	Maximum students were satisfied by the contents, need study material	Study material is provided https://www.geeksforgeeks.org/natural-language-programming/	16/10/20
3	Required Solar energy & wind energy designs for more understanding	Some animation videos have been shown for understanding latest techniques in energy resources	18/10/20
4.	Needs help in Hybrid approach for expert system design.	Appropriate content provided: https://www.deepdyve.com/lp/spie/one-possible-approach-to-the-hybrid-systems-design-expert-system-kL98OJdTmp	16/10/20
5.	Students need different forensic tools to acquire and duplicate data from compromised systems.	Some real examples given: https://www.unodc.org/e4j/en/cybercrime/module-4/key-issues/standards-and-best-practices-for-digital-forensics.html	20/10/20


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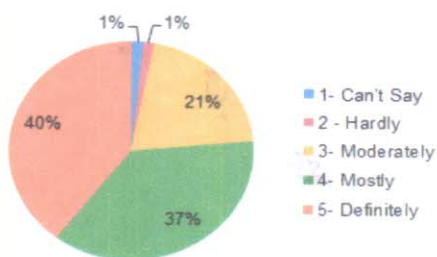
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Course Exit Analysis Report (SEM VIII)
Subject: HMI

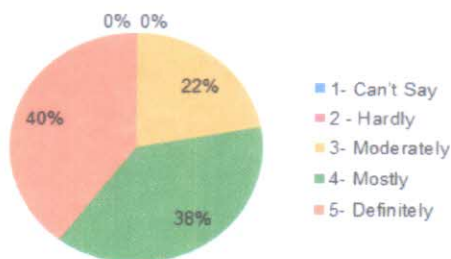
CO1. Identify User Interface (UI) design principles

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.47
2 - Hardly	1	1.47
3- Moderately	14	20.59
4- Mostly	25	36.76
5- Definitely	27	39.71
Total	68	100



CO2. Analysis of effective user friendly interfaces

Score	No. of Students	Percentage (%)
1- Can't Say	0	0.00
2 - Hardly	0	0.00
3- Moderately	15	22.06
4- Mostly	26	38.24
5- Definitely	27	39.71
Total	68	100

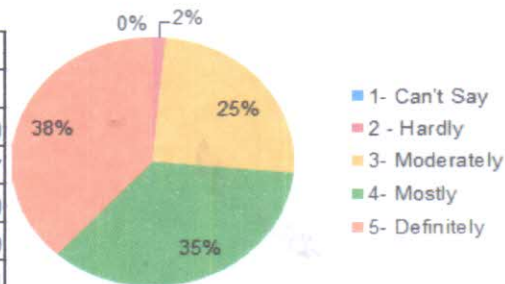




Department of computer Engineering
Academic Year: 2020-21
Course Exit Analysis Report (SEM VIII)
Subject: HMI

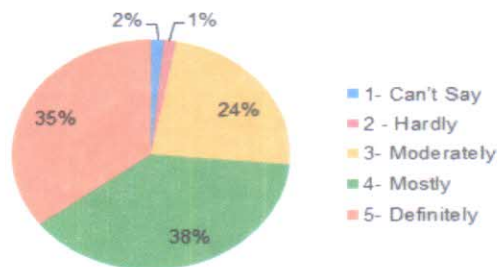
CO3. Apply Interactive Design process in real world application

Score	No. of Students	Percentage (%)
1- Can't Say	0	0.00
2 - Hardly	1	1.47
3- Moderately	17	25.00
4- Mostly	24	35.29
5- Definitely	26	38.24
Total	68	100



CO4 Evaluate UI design and justify.

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.47
2 - Hardly	1	1.47
3- Moderately	16	23.53
4- Mostly	26	38.24
5- Definitely	24	35.29
Total	68	100

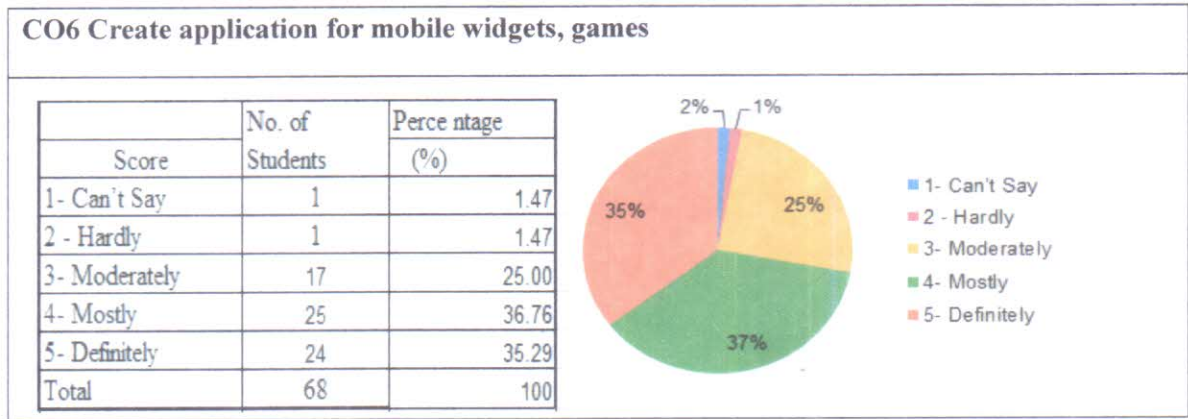
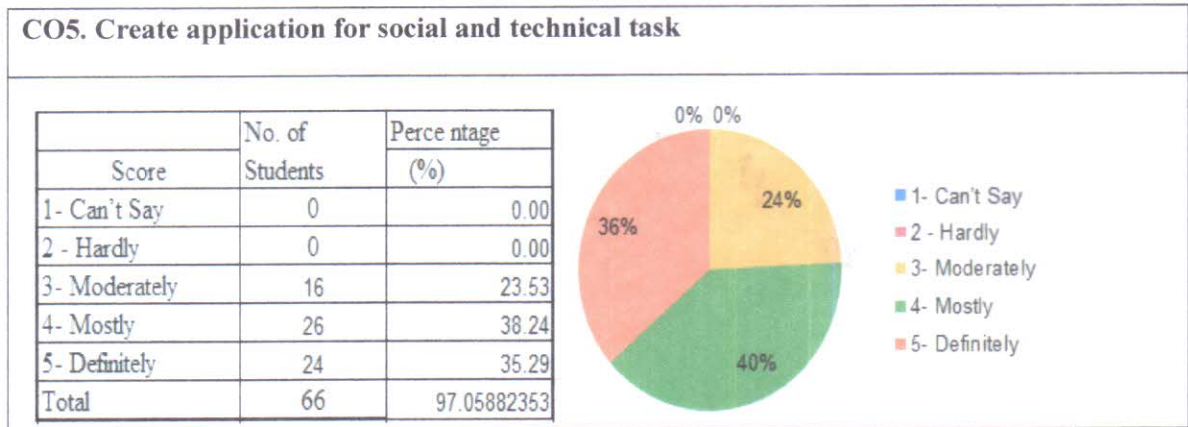




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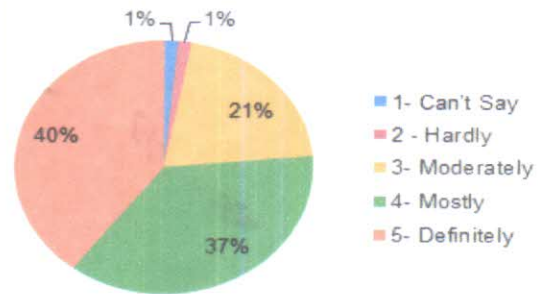
Academic Year: 2020-21

Course Exit Analysis Report (SEM VIII)

Subject: NLP

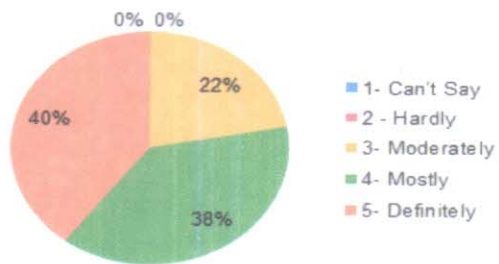
CO1 Have a broad understanding of the field of natural language processing.

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.47
2 - Hardly	1	1.47
3- Moderately	14	20.59
4- Mostly	25	36.76
5- Definitely	27	39.71
Total	68	100



CO2 Have a sense of the capabilities and limitations of current natural language technologies

Score	No. of Students	Percentage (%)
1- Can't Say	0	0.00
2 - Hardly	0	0.00
3- Moderately	15	22.06
4- Mostly	26	38.24
5- Definitely	27	39.71
Total	68	100

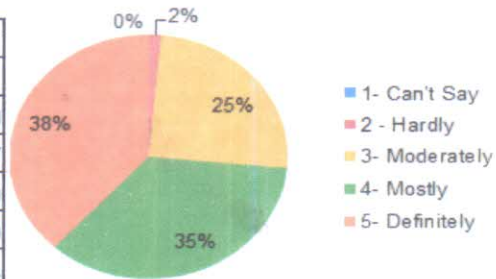




Department of computer Engineering
Academic Year: 2020-21
Course Exit Analysis Report (SEM VIII)
Subject: NLP

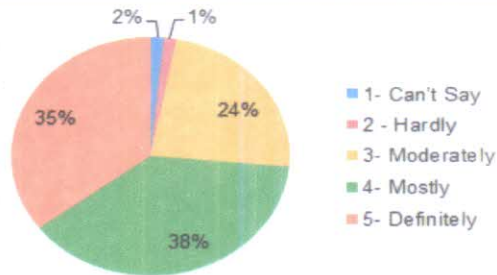
CO3 be able to model linguistic phenomena with formal grammars

Score	No. of Students	Percentage (%)
1- Can't Say	0	0.00
2 - Hardly	1	1.47
3- Moderately	17	25.00
4- Mostly	24	35.29
5- Definitely	26	38.24
Total	68	100



CO4 Be able to Design, implement and test algorithms for NLP problems

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.47
2 - Hardly	1	1.47
3- Moderately	16	23.53
4- Mostly	26	38.24
5- Definitely	24	35.29
Total	68	100





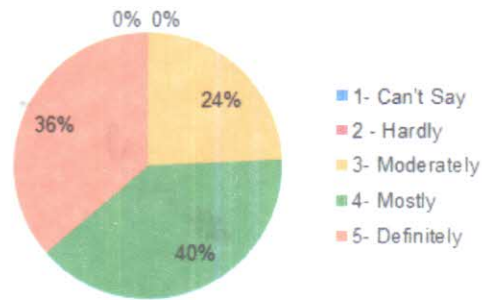
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Department of Computer Engineering
Academic Year: 2020-21
Course Exit Analysis Report (SEM VIII)
Subject: NLP

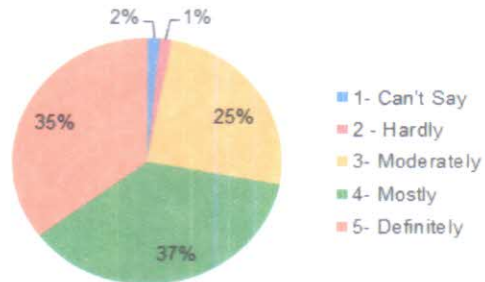
CO5 Understand the mathematical and linguistic foundations underlying approaches to the various areas in NLP

Score	No. of Students	Percentage (%)
1- Can't Say	0	0.00
2 - Hardly	0	0.00
3- Moderately	16	23.53
4- Mostly	26	38.24
5- Definitely	24	35.29
Total	66	97.05882353



CO6 Be able to apply NLP techniques to design real world NLP applications such as machine translation, text categorization, text summarization, information extraction

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.47
2 - Hardly	1	1.47
3- Moderately	17	25.00
4- Mostly	25	36.76
5- Definitely	24	35.29
Total	68	100



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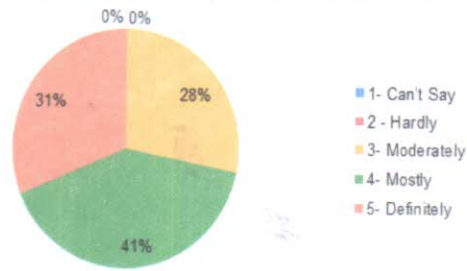
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Academic Year: 2020-21
Course Exit Analysis Report (SEM VIII)
Subject: EM

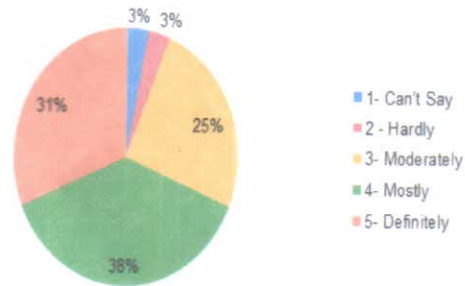
CO1 Understand and identify environmental issues

Score	No. of Students	Percentage (%)
1- Can't Say	0	0.00
2 - Hardly	0	0.00
3- Moderately	9	28.13
4- Mostly	13	40.63
5- Definitely	10	31.25
TOTAL	32	100.00



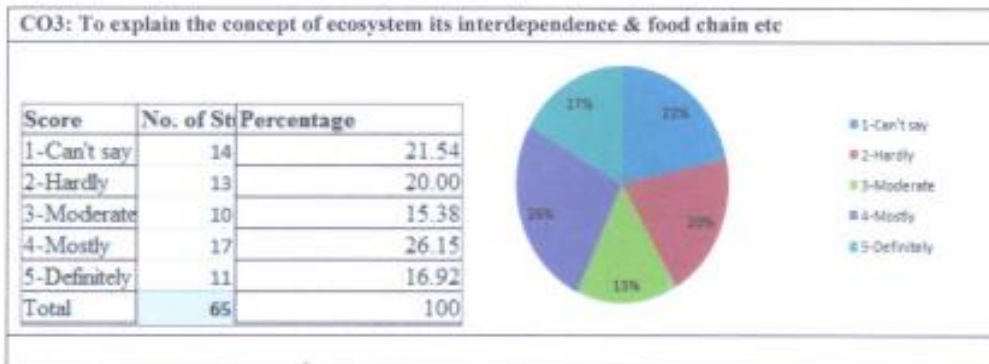
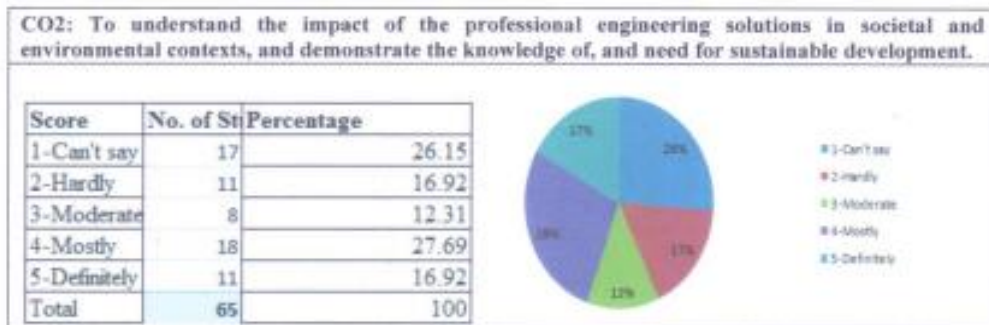
CO2 Understand and Learn concepts of ecology

Score	No. of Students	Percentage (%)
1- Can't Say	1	3.13
2 - Hardly	1	3.13
3- Moderately	8	25.00
4- Mostly	12	37.50
5- Definitely	10	31.25
TOTAL	32	100.00





Department of computer Engineering
Academic Year: 2020-21 (EVEN)
Course Exit Analysis Report (SEM VIII)
Subject: EM





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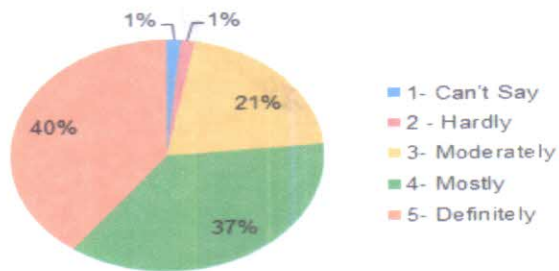
Learn Live Achieve and Contribute

Kharghar, Navi Mumbai - 410 210.

Department of computer Engineering
Academic Year: 2020-21
Course Exit Analysis Report (SEM VIII)
Subject: DC

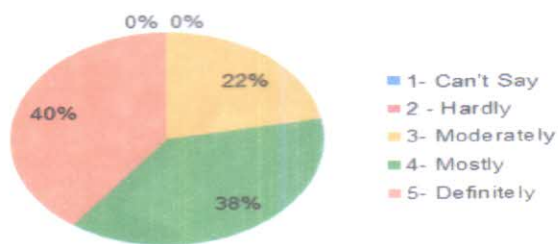
CO1 Demonstrate knowledge of the basic elements and concepts related to distributed system technologies

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.47
2 - Hardly	1	1.47
3- Moderately	14	20.59
4- Mostly	25	36.76
5- Definitely	27	39.71
Total	68	100



CO2 Illustrate the middleware technologies that support distributed applications such as RPC, RMI and Object based middleware.

Score	No. of Students	Percentage (%)
1- Can't Say	0	0.00
2 - Hardly	0	0.00
3- Moderately	15	22.06
4- Mostly	26	38.24
5- Definitely	27	39.71
Total	68	100





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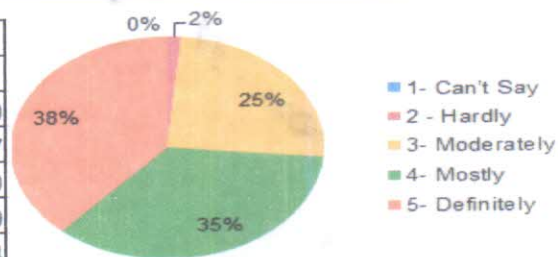
Learn Live Achieve and Contribute

Kharghar, Navi Mumbai - 410 210.

Department of computer Engineering
Academic Year: 2020-21
Course Exit Analysis Report (SEM VIII)
Subject: DC

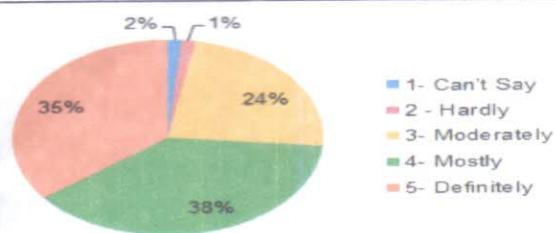
CO3 Analyze the various techniques used for clock synchronization and mutual exclusion

Score	No. of Students	Percentage (%)
1- Can't Say	0	0.00
2 - Hardly	1	1.47
3- Moderately	17	25.00
4- Mostly	24	35.29
5- Definitely	26	38.24
Total	68	100



CO4 Demonstrate the concepts of Resource and Process management and synchronization algorithms

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.47
2 - Hardly	1	1.47
3- Moderately	16	23.53
4- Mostly	26	38.24
5- Definitely	24	35.29
Total	68	100





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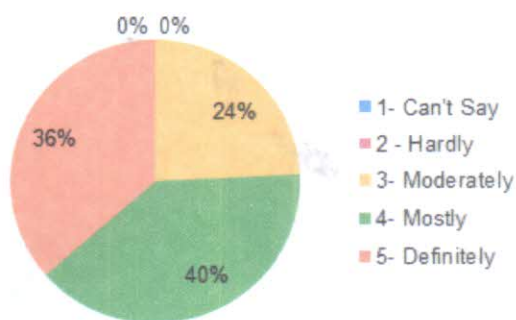
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Kharghar, Navi Mumbai - 410 210.

Department of computer Engineering
Academic Year: 2020-21
Course Exit Analysis Report (SEM VIII)
Subject: DC

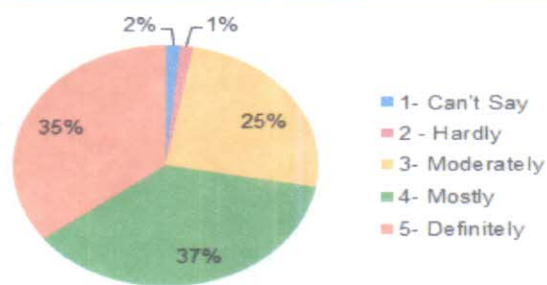
CO5 Demonstrate the concepts of Consistency and Replication Management

Score	No. of Students	Percentage (%)
1- Can't Say	0	0.00
2 - Hardly	0	0.00
3- Moderately	16	23.53
4- Mostly	26	38.24
5- Definitely	24	35.29
Total	66	97.05882353



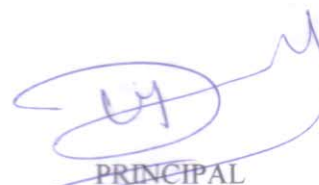
CO6 Apply the knowledge of Distributed File System to analyze various file systems like NFS, AFS and the experience in building large-scale distributed applications.

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.47
2 - Hardly	1	1.47
3- Moderately	17	25.00
4- Mostly	25	36.76
5- Definitely	24	35.29
Total	68	100




HOD

**Head of Department
Computer Engg.**


PRINCIPAL

**PRINCIPAL
Saraswati College of Engineering
Kharghar, Navi Mumbai-410210**



Department of computer Engineering
Action taken based on feedback from students (CO & PO)
Academic Year: 2020-21 (EVEN)

Summary of feedback-Semester 8:

Feedbacks collected through course exit forms were analyzed and necessary actions which are useful for students were planned and conducted. Abstract of suggestions obtained from the stakeholders to enhance the employability of the student are discussed below.

- Needs training on Ethical hacking
- Need awareness about the latest technologies and practices in industry.
- Needs training on Flutter developer

Action Taken:

Based on suggestions action taken are mentioned below.

Sr. No.	Feedback/suggestions	Action Taken	Date
1	Needs training on Ethical hacking	Webinar conducted on Ethical hacking	30/10/21
2	Maximum students were satisfied by the contents, need study material	Some extra links are given to student https://www.tutorialspoint.com/artificial_intelligence/artificial_intelligence_overview.htm	21/5/21
3.	Needs webinar on python	webinar on developing covid-19 tracker using python and streamlost	9-6-2021
4	Needs training on Flutter developer	Webinar conducted on "Flutter developer"	13/10/21


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Head of Department
Computer Engg.


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Kharghar, Navi Mumbai-410210



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Kharghar, Navi Mumbai - 410 210.

Department of Computer Engineering

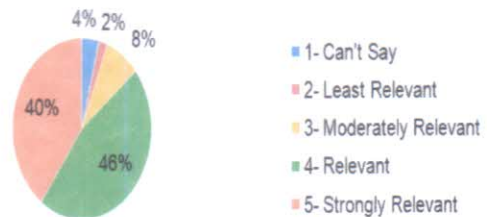
Academic Year 2020-21

Program Exit Analysis Report

Program Outcomes: - After completing the program in the Computer Engineering branch how students are you able to...

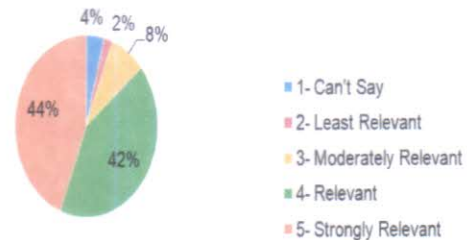
Score	No. of Students	Total %
1- Can't Say	2	4%
2- Least Relevant	1	2%
3- Moderately Relevant	4	8%
4- Relevant	23	46%
5- Strongly Relevant	20	40%
Grand Total	50	100%

PO1 : Confidence in applying concepts of Mathematics and Computing in solving problems



Score	No. of Students	Total %
1- Can't Say	2	4%
2- Least Relevant	1	2%
3- Moderately Relevant	4	8%
4- Relevant	21	42%
5- Strongly Relevant	22	44%
Grand Total	50	100%

PO2 : Identify and analyze Problems , derive solution using concepts of Computer Science & mathematics



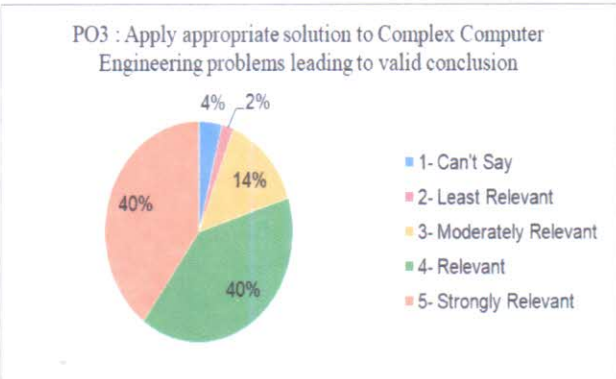


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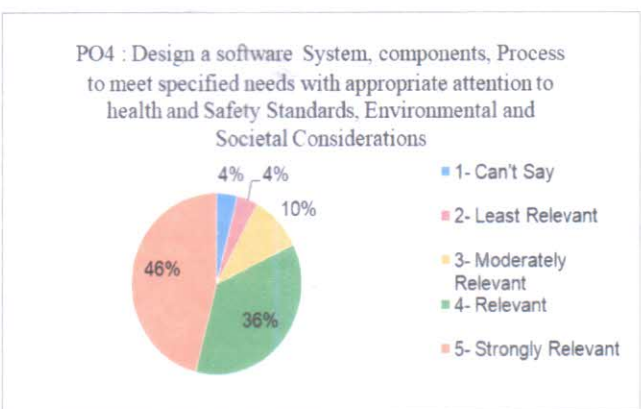
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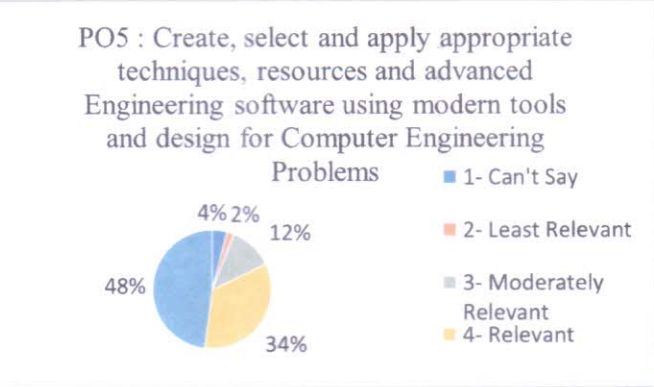
Score	No. of Students	Total %
1- Can't Say	2	4%
2- Least Relevant	1	2%
3- Moderately Releval	7	14%
4- Relevant	20	40%
5- Strongly Relevant	20	40%
Grand Total	50	100%



Score	No. of Students	Total%
1- Can't Say	2	4%
2- Least Relevant	2	4%
3- Moderately Releval	5	10%
4- Relevant	18	36%
5- Strongly Relevant	23	46%
Grand Total	50	100%



Score	No. of Students	Total%
1- Can't Say	2	4%
2- Least Relevant	1	2%
3- Moderately Releval	6	12%
4- Relevant	17	34%
5- Strongly Relevant	24	48%
Grand Total	50	100%





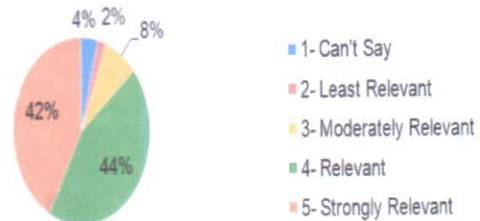
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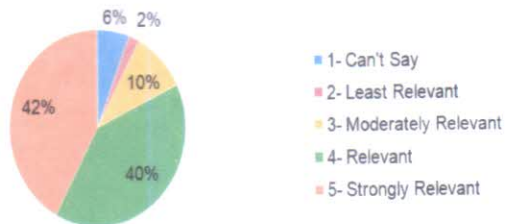
Score	No. of Students	Total %
1- Can't Say	2	4%
2- Least Relevant	1	2%
3- Moderately Releval	4	8%
4- Relevant	22	44%
5- Strongly Relevant	21	42%
Grand Total	50	100%

PO6 : Understand the Impact of Computer Engineering solution on society and environment for Sustainable development



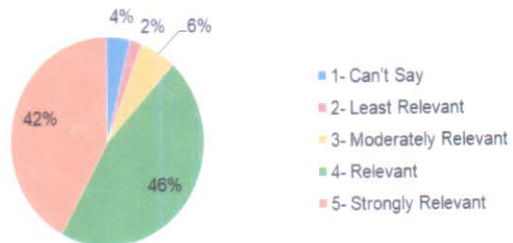
Score	No. of Students	Total%
1- Can't Say	3	6%
2- Least Relevant	1	2%
3- Moderately Releval	5	10%
4- Relevant	20	40%
5- Strongly Relevant	21	42%
Grand Total	50	100%

PO7 : Understand Societal, health, Safety, cultural, Legal issues and Responsibilities relevant to Engineering Profession.



Score	No. of Students	Total %
1- Can't Say	2	4%
2- Least Relevant	1	2%
3- Moderately Releval	3	6%
4- Relevant	23	46%
5- Strongly Relevant	21	42%
Grand Total	50	100%

PO8 : Apply Professional ethics, accountability and equity in Engineering Profession





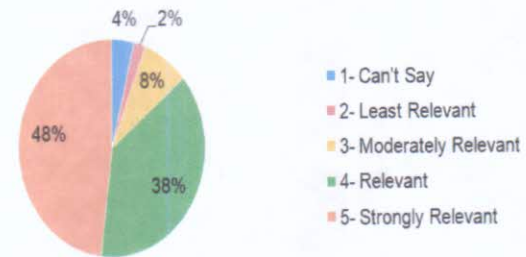
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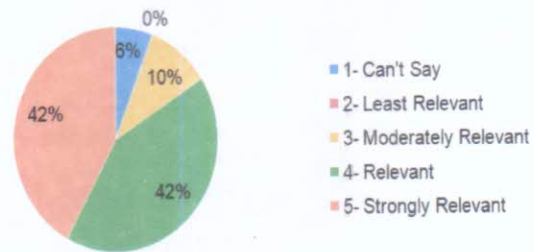
Score	No. of Students	Total %
1- Can't Say	2	4%
2- Least Relevant	1	2%
3- Moderately Releva	4	8%
4- Relevant	19	38%
5- Strongly Relevant	24	48%
Grand Total	50	100%

PO9 : Work Effectively as a member and leader in multidisciplinary team for a common goal.



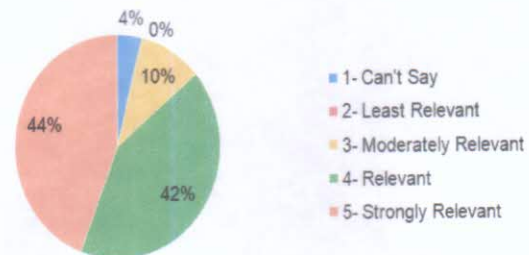
Score	No. of Students	Total %
1- Can't Say	3	6%
2- Least Relevant	0	0%
3- Moderately Releva	5	10%
4- Relevant	21	42%
5- Strongly Relevant	21	42%
Grand Total	50	100%

PO10 : Communicate Effectively within a Profession and Society at large.



Score	No. of Students	Total %
1- Can't Say	2	4%
2- Least Relevant	0	0%
3- Moderately Releva	5	10%
4- Relevant	21	42%
5- Strongly Relevant	22	44%
Grand Total	50	100%

PO11 : Apply principles of Management





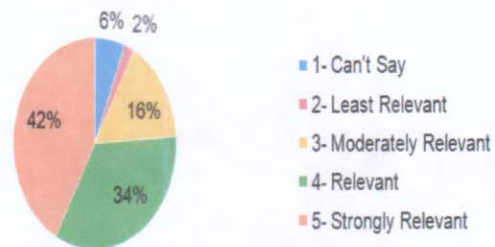
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Score	No.of Students	Total %
1- Can't Say	3	6%
2- Least Relevant	1	2%
3- Moderately Releval	8	16%
4- Relevant	17	34%
5- Strongly Relevant	21	42%
Grand Total	50	100%

PO12 : Usefulness of Mathematics, Professional core and electives in competitive exams like DCET/Higher studies





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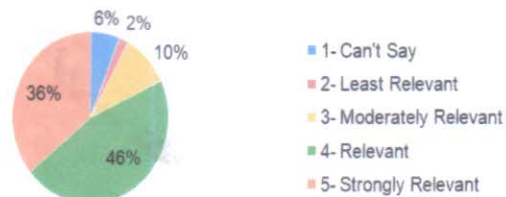
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PSO: Program Specific Objectives

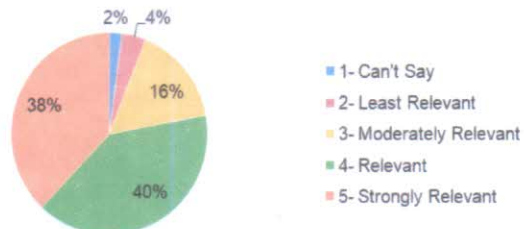
Score	No. of Students	Total %
1- Can't Say	3	6%
2- Least Relevant	1	2%
3- Moderately Relevant	5	10%
4- Relevant	23	46%
5- Strongly Relevant	18	36%
Grand Total	50	100%

PSO1 : Are you able to Formulate and analyze complex engineering problems in computer engineering (Networking/Big data/ Intelligent Systems/Cloud Computing/Real time systems).



Score	No. of Students	Total %
1- Can't Say	1	2%
2- Least Relevant	2	4%
3- Moderately Relevant	8	16%
4- Relevant	20	40%
5- Strongly Relevant	19	38%
Grand Total	50	100%

PSO2 : Are you able to plan and develop efficient, reliable, secure and customized application software using cost effective emerging software tools ethically



H.O.D.

**Head of Department
 Computer Engg.**

Principal

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 Kharghar, Navi Mumbai-410210



Department of computer Engineering
Action taken based on feedback from students (CO & PO)
Academic Year: 2020-21

Summary of feedback received from students through program exit forms

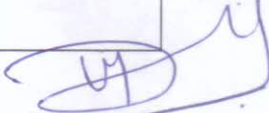
Feedbacks collected through program exit forms were analyzed and necessary actions which are useful for students were planned and conducted. Abstract of suggestions obtained from the stakeholders to enhance the employability of the student are discussed below.

Action Taken:

Based on suggestions, various events are organized. Events are selected such that it will be beneficial for their career. Details of events organized at Institutional and Department level are mentioned below.

Sr. No.	Feedback/suggestions	Action Taken	Date
1	Seminar on Internship opportunity	Webinar was taken on internship opportunity https://drive.google.com/file/d/1QW6Kn4mNcJKs7wflQc6wXVaSDBu0QeUI/view?usp=sharing	06/04/2021
2	Webinar on ethical hacking	Webinar was taken by the expertise	11/11/2020
3	Webinar on full stack development	Webinar on full stack development by prof Amit Chakraborty	11/12/2020
4	Needs workshop about Placement preparation	Webinar conducted on placement preparation by the resource person	30/3/2021
5	Student required workshop on python	Webinar was conducted on developing covid 19 Tracker app using Python and StreamLit by Mr.Parth sharma AI probably Ecademy Pvt.Ltd.	09/06/21

HOD


Principal

Computer Engg.

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