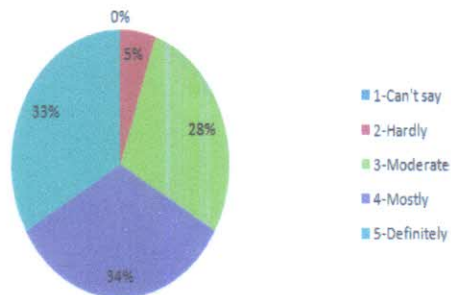




Department of computer Engineering
Academic Year: 2019-20 (ODD)
Course Exit Analysis Report (SEM III)
Subject: DS

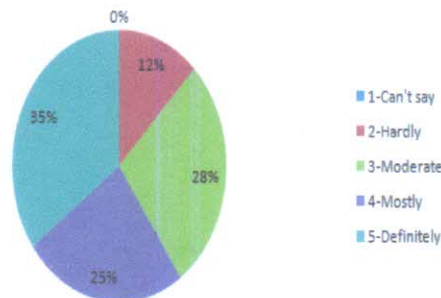
CO1: Understand the basic concepts of Data Structure and efficient storage mechanism of data for an easy access.

Score	No. of Students	Percentage
1-Can't say	0	0.00
2-Hardly	3	5.26
3-Moderate	16	28.07
4-Mostly	19	33.33
5-Definitely	19	33.33
Total	57	100.00



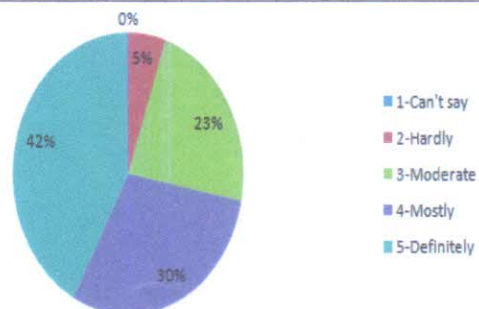
CO2: Design and implementation of various Operations data structure.

Score	No. of Students	Percentage
1-Can't say	0	0.00
2-Hardly	7	12.28
3-Moderate	16	28.07
4-Mostly	14	24.56
5-Definitely	20	35.09
Total	57	100.00



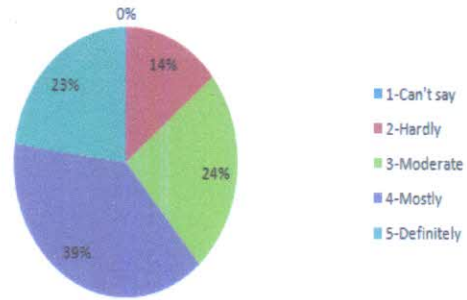
CO3: Identify the various techniques for representation of the data in linked list.

Score	No. of Students	Percentage
1-Can't say	0	0.00
2-Hardly	3	5.26
3-Moderate	13	22.81
4-Mostly	17	29.82
5-Definitely	24	42.11
Total	57	100.00



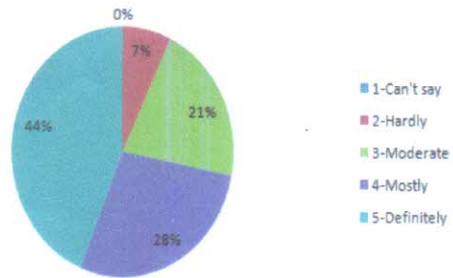
CO4: Learn the different tree techniques.

Score	No. of Students	Percentage
1-Can't say	0	0.00
2-Hardly	8	14.04
3-Moderate	14	24.56
4-Mostly	22	38.60
5-Definitely	13	22.81
Total	57	100.00



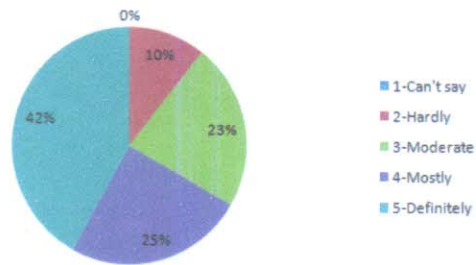
CO5: Investigate the logical ability and understand the generic principles of graph as applied to sophisticated data structure.

Score	No. of Students	Percentage
1-Can't say	0	0.00
2-Hardly	4	7.02
3-Moderate	12	21.05
4-Mostly	16	28.07
5-Definitely	25	43.86
Total	57	100.00



CO6: Understand different searching techniques.

Score	No. of Students	Percentage
1-Can't say	0	0.00
2-Hardly	6	9.23
3-Moderate	13	20.00
4-Mostly	14	21.54
5-Definitely	24	36.92
Total	57	100



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Computer Engg.**

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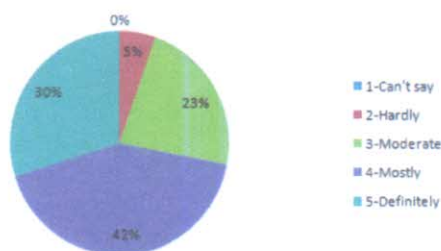
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Department of computer Engineering
Academic Year: 2019-20 (ODD)
Course Exit Analysis Report (SEM III)
Subject: DM

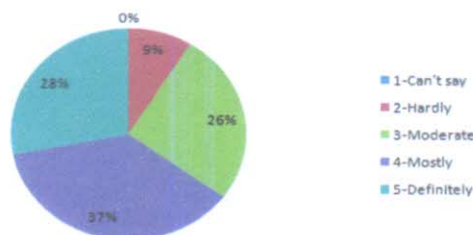
CO1: To understand, design data warehouse with dimensional modelling with analyzing different OLAP operations.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	3	4.62
3-Moderate	13	20.00
4-Mostly	24	36.92
5-Definitely	17	26.15
Total	57	100



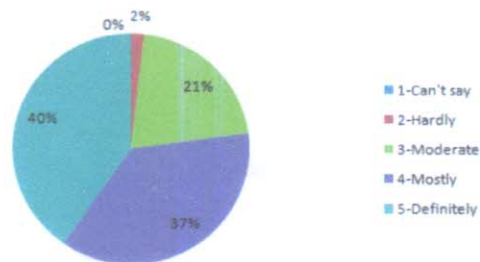
CO2: To understand data mining principles with data preprocessing and data exploration.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	5	7.69
3-Moderate	15	23.08
4-Mostly	21	32.31
5-Definitely	16	24.62
Total	57	100



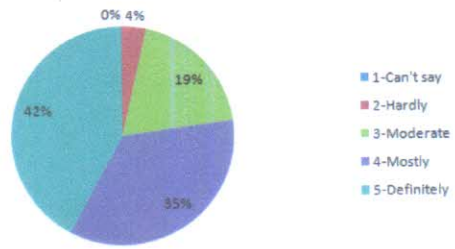
CO3: To classify and evaluate appropriate data mining algorithm

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	1	1.54
3-Moderate	12	18.46
4-Mostly	21	32.31
5-Definitely	23	35.38
Total	57	100



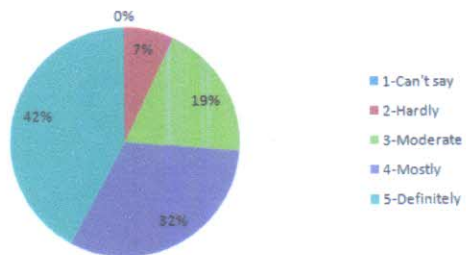
CO4: To analyze and evaluate clustering technique.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	2	3.51
3-Moderate	11	19.30
4-Mostly	20	35.09
5-Definitely	24	42.11
Total	57	100.00



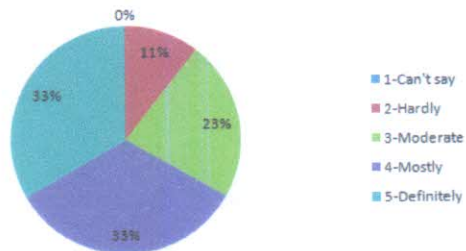
CO5: To identify and apply associate rule mining technique for real time applications.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	4	7.02
3-Moderate	11	19.30
4-Mostly	18	31.58
5-Definitely	24	42.11
Total	57	100.00



CO6: To understand and apply the concept of web mining.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	6	10.53
3-Moderate	13	22.81
4-Mostly	19	33.33
5-Definitely	19	33.33
Total	57	100.00




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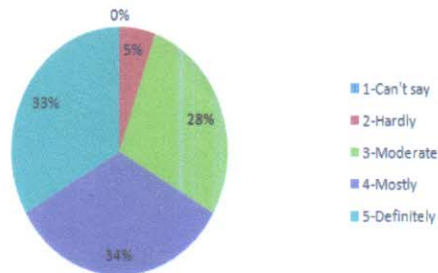
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Department of computer Engineering
Academic Year: 2019-20 (ODD)
Course Exit Analysis Report (SEM III)
Subject: DLDA

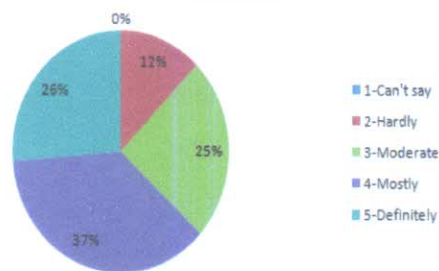
CO1: Understand the conversion of different type of codes and number systems used in digital communication and computer systems

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	3	5.26
3-Moderate	16	28.07
4-Mostly	19	33.33
5-Definitely	19	33.33
Total	57	100.00



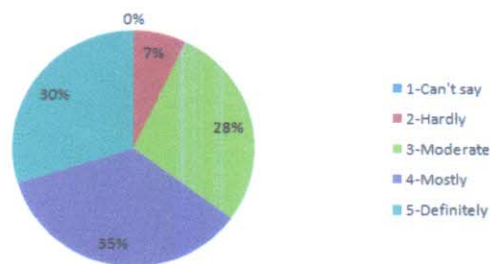
CO2: Identify and describe the minimization techniques of digital circuits

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	7	12.28
3-Moderate	14	24.56
4-Mostly	21	36.84
5-Definitely	15	26.32
Total	57	100.00



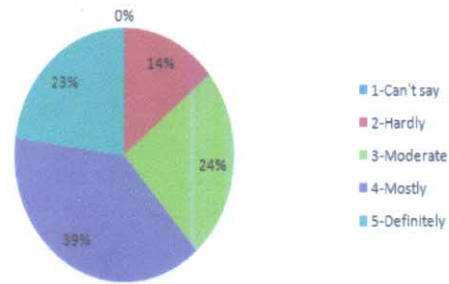
CO3: Understand the working mechanism of different combinational circuits and their role in the digital system design.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	4	7.02
3-Moderate	16	28.07
4-Mostly	20	35.09
5-Definitely	17	29.82
Total	57	100.00



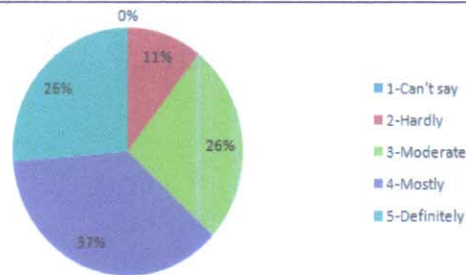
CO4: Understand the working mechanism of different sequential circuits and their role in the digital system design

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	8	14.04
3-Moderate	14	24.56
4-Mostly	22	38.60
5-Definitely	13	22.81
Total	57	100.00



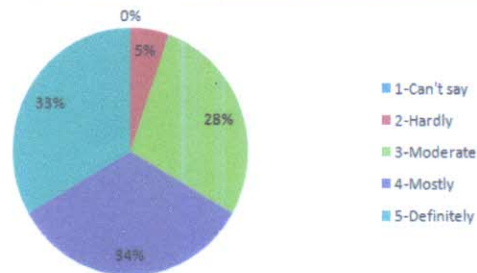
CO5: Illustrate and describe the basic concepts of VHDL

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	6	10.53
3-Moderate	15	26.32
4-Mostly	21	36.84
5-Definitely	15	26.32
Total	57	100.00



CO6: Illustrate and describe the technology in the area of memory devices in different types of digital circuits

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	3	5.26
3-Moderate	16	28.07
4-Mostly	19	33.33
5-Definitely	19	33.33
Total	57	100.00




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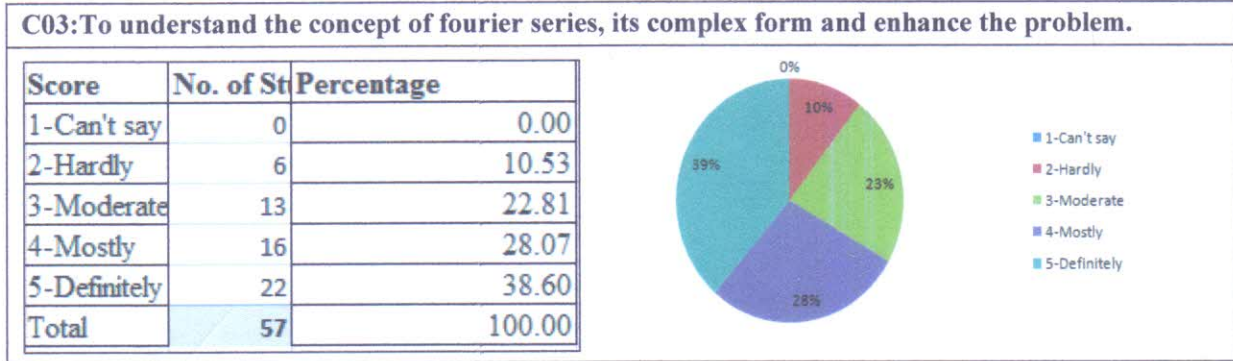
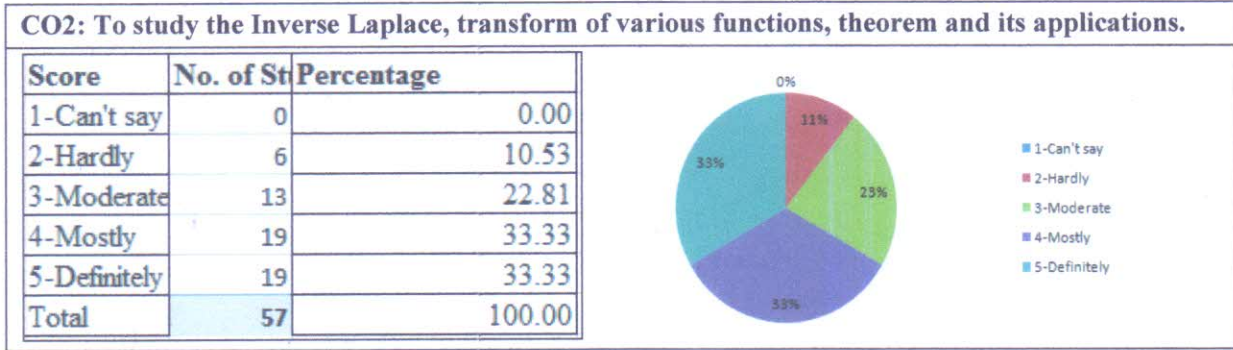
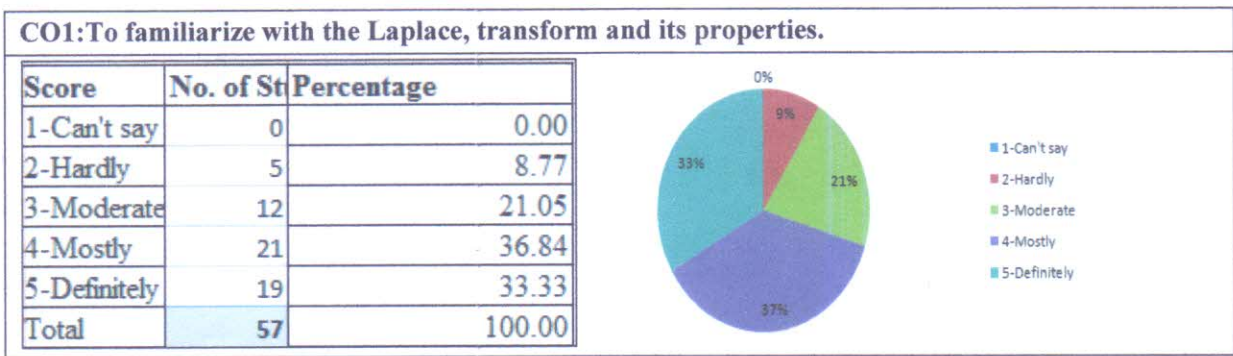
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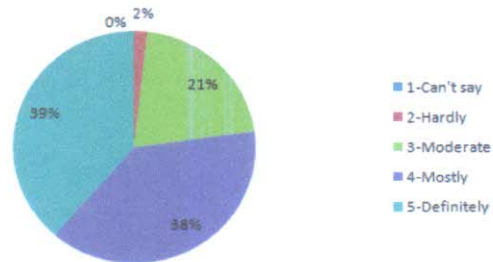
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Department of computer Engineering
Academic Year: 2019-20 (ODD)
Course Exit Analysis Report (SEM III)
Subject: AM-III



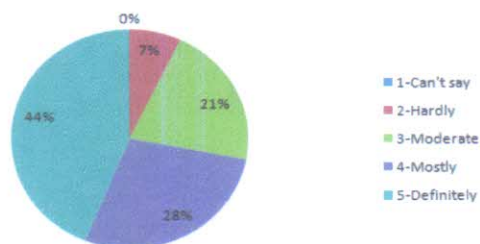
CO4: To familiarize the concept of complex variables, C-R equations with applications.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	1	1.75
3-Moderate	12	21.05
4-Mostly	22	38.60
5-Definitely	22	38.60
Total	57	100.00



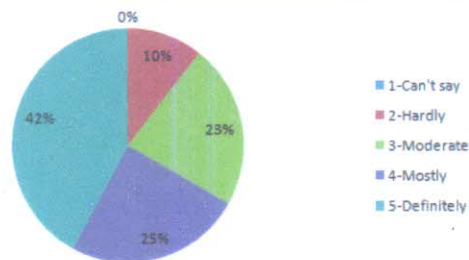
CO5: To understand the basic techniques of statistics like correlation, regression and curve fitting for data analysis, machine learning and AI.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	4	7.02
3-Moderate	12	21.05
4-Mostly	16	28.07
5-Definitely	25	43.86
Total	57	100.00



CO6: To study some advanced topic of probability, random variables with their distributions and expectations

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	6	10.53
3-Moderate	13	22.81
4-Mostly	14	24.56
5-Definitely	24	42.11
Total	57	100.00




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Department of computer Engineering
Action taken based on feedback from students (CO & PO)
Academic Year: 2019-20 (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.
- Needs Practical aspect about graph theory &DM

Action Taken:

Based on suggestions, Action taken is mentioned below.

Sr. No.	Feedback/suggestions	Action Taken	Date
1	Few students demand for links of Recurrence relations	Notes are provided https://archive.nptel.ac.in/courses/111/107/111107058/	9/10/19
2	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/	12/10/19
3	Teaching aids	https://freecoursesites.com/introduction-to-data-structures-and-algorithms-by-animation/	15/10/19
4	Needs more emphasis on Advanced Processor and Buses	https://nptel.ac.in/courses/117106086	21/10/19
5.	Students wants the awareness about digital marketing	Seminar on Digital marketing was conducted by the resource person Mr. Sanjog Mishra	02/04/2019

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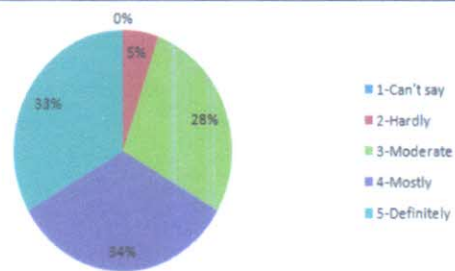
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Department of computer Engineering
Academic Year: 2019-20 (EVEN)
Course Exit Analysis Report (SEM IV)
Subject: OS

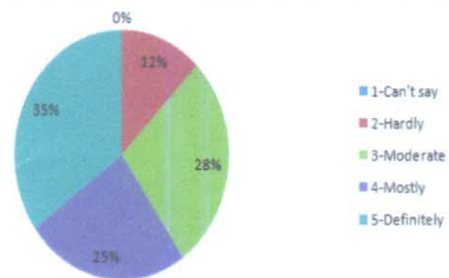
CO1: To understand the objective, structure and function of operating system.

Score	No. of Students	Percentage
1-Can't say	0	0.00
2-Hardly	3	5.26
3-Moderate	16	28.07
4-Mostly	19	33.33
5-Definitely	19	33.33
Total	57	100.00



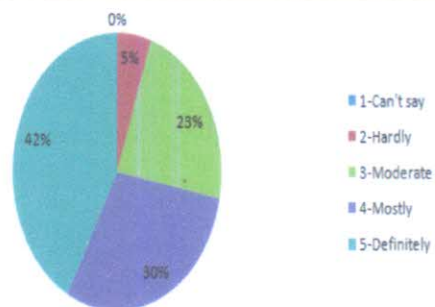
CO2: To analyze and evaluate the process of scheduling algorithm.

Score	No. of Students	Percentage
1-Can't say	0	0.00
2-Hardly	7	12.28
3-Moderate	16	28.07
4-Mostly	14	24.56
5-Definitely	20	35.09
Total	57	100.00



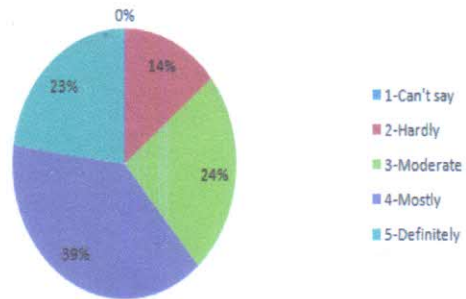
CO3: To understand and apply the concept of synchronization and deadlock.

Score	No. of Students	Percentage
1-Can't say	0	0.00
2-Hardly	3	5.26
3-Moderate	13	22.81
4-Mostly	17	29.82
5-Definitely	24	42.11
Total	57	100.00



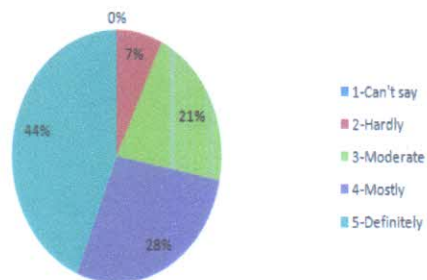
CO4: To evaluate the performance of memory allocation and replacement policies.

Score	No. of Students	Percentage
1-Can't say	0	0.00
2-Hardly	8	14.04
3-Moderate	14	24.56
4-Mostly	22	38.60
5-Definitely	13	22.81
Total	57	100.00



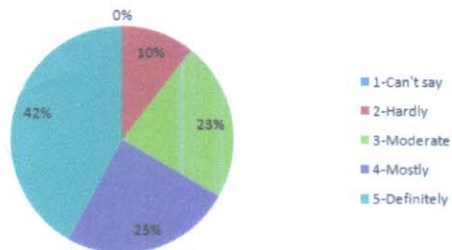
CO5: To understand the concept of file management.

Score	No. of Students	Percentage
1-Can't say	0	0.00
2-Hardly	4	7.02
3-Moderate	12	21.05
4-Mostly	16	28.07
5-Definitely	25	43.86
Total	57	100.00



CO6: To apply the concepts of I/O management and analyze techniques of disk scheduling.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	6	9.23
3-Moderate	13	20.00
4-Mostly	14	21.54
5-Definitely	24	36.92
Total	57	100




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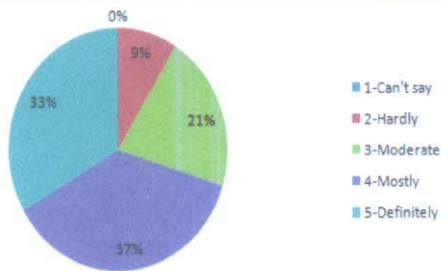
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Department of computer Engineering
Academic Year: 2019-20 (EVEN)
Course Exit Analysis Report (SEM IV)
Subject: COA

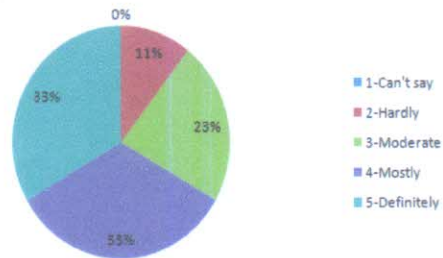
CO1: To understand the basic structure and operation of a digital computer.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	5	8.77
3-Moderate	12	21.05
4-Mostly	21	36.84
5-Definitely	19	33.33
Total	57	100.00



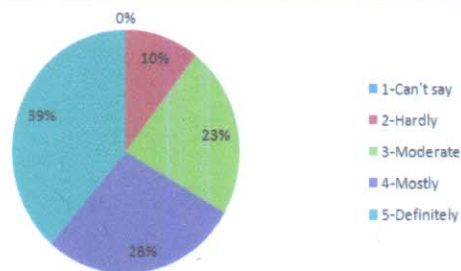
CO2: To understand the parallelism and hazards in processor pipeline.

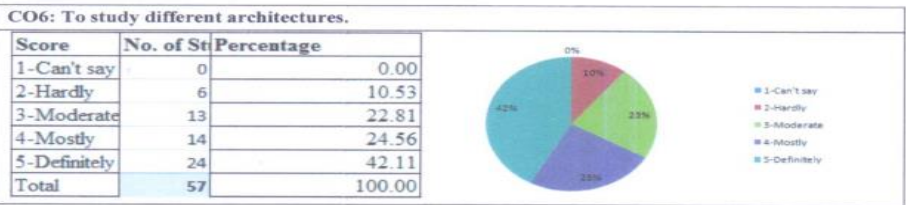
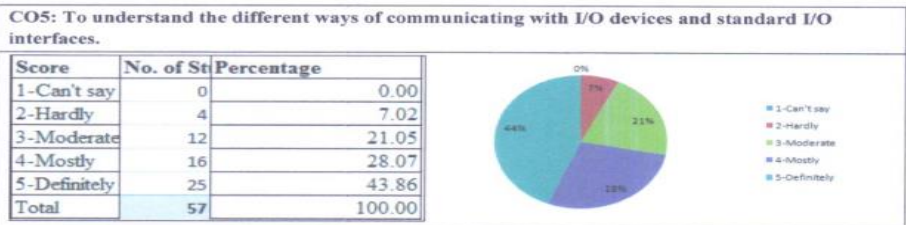
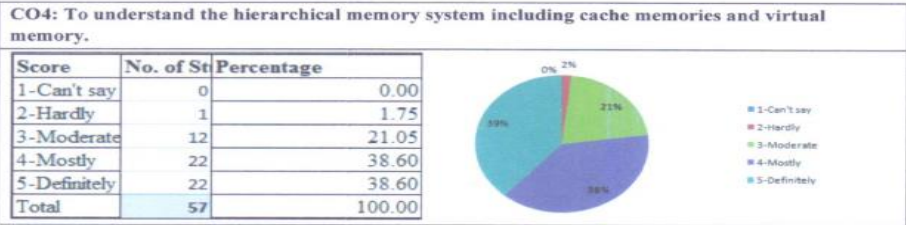
Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	6	10.53
3-Moderate	13	22.81
4-Mostly	19	33.33
5-Definitely	19	33.33
Total	57	100.00




CO3: To understand and design control unit.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	6	10.53
3-Moderate	13	22.81
4-Mostly	16	28.07
5-Definitely	22	38.60
Total	57	100.00






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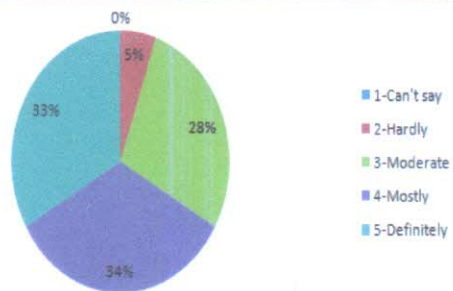

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Department of computer Engineering
Academic Year: 2019-20 (EVEN)
Course Exit Analysis Report (SEM IV)
Subject: CG

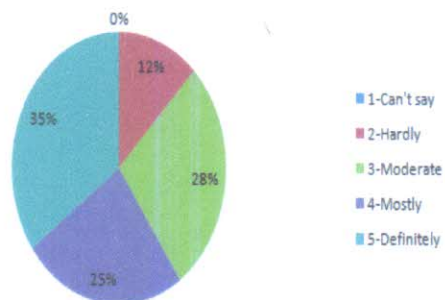
CO1: To equip students with the fundamental knowledge and basic technical competence in the field of computer graphics.

Score	No. of Students	Percentage
1-Can't say	0	0.00
2-Hardly	3	5.26
3-Moderate	16	28.07
4-Mostly	19	33.33
5-Definitely	19	33.33
Total	57	100.00



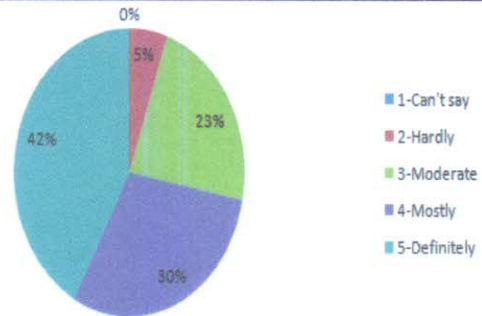
CO2: To emphasize on implementation aspect of Computer Graphics Algorithms.

Score	No. of Students	Percentage
1-Can't say	0	0.00
2-Hardly	7	12.28
3-Moderate	16	28.07
4-Mostly	14	24.56
5-Definitely	20	35.09
Total	57	100.00



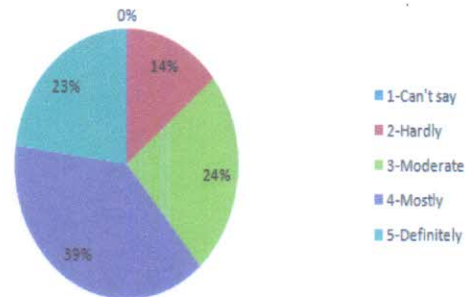
C03: To understand different transformation such as translation, scaling, rotation, clipping on 2D objects.

Score	No. of Students	Percentage
1-Can't say	0	0.00
2-Hardly	3	5.26
3-Moderate	13	22.81
4-Mostly	17	29.82
5-Definitely	24	42.11
Total	57	100.00



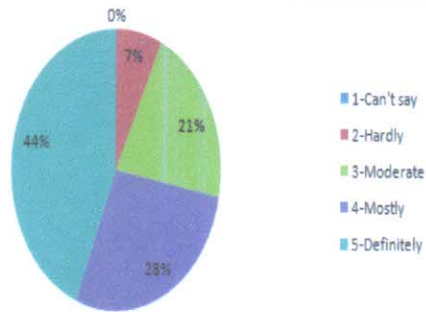
C04: To modify different transformation algorithms of 2D for 3D.

Score	No. of Students	Percentage
1-Can't say	0	0.00
2-Hardly	8	14.04
3-Moderate	14	24.56
4-Mostly	22	38.60
5-Definitely	13	22.81
Total	57	100.00



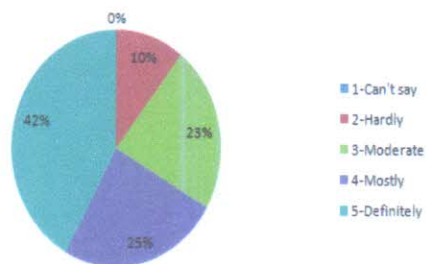
CO5: To use basic algorithms studied to draw curves and fractals.

Score	No. of Students	Percentage
1-Can't say	0	0.00
2-Hardly	4	7.02
3-Moderate	12	21.05
4-Mostly	16	28.07
5-Definitely	25	43.86
Total	57	100.00



CO6: To operate hidden surfaces of objects e.g., removal of it.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	6	9.23
3-Moderate	13	20.00
4-Mostly	14	21.54
5-Definitely	24	36.92
Total	57	100



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Kharghar, Navi Mumbai-410210



Department of computer Engineering
Academic Year: 2019-20 (EVEN)
Course Exit Analysis Report (SEM IV)
Subject: AOA

CO1: To analyze the running time and space complexity of algorithms.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	3	4.62
3-Moderate	13	20.00
4-Mostly	24	36.92
5-Definitely	17	26.15
Total	57	100

CO2: To describe, apply and analyze the complexity of divide and conquer strategy.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	5	7.69
3-Moderate	15	23.08
4-Mostly	21	32.31
5-Definitely	16	24.62
Total	57	100

CO3: To describe, apply and analyze the complexity of greedy strategy.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	1	1.54
3-Moderate	12	18.46
4-Mostly	21	32.31
5-Definitely	23	35.38
Total	57	100

CO4: To describe, apply and analyze the complexity of dynamic programming strategy.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	2	3.51
3-Moderate	11	19.30
4-Mostly	20	35.09
5-Definitely	24	42.11
Total	57	100.00

CO5: To explain and apply backtracking, branch and bound.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	4	7.02
3-Moderate	11	19.30
4-Mostly	18	31.58
5-Definitely	24	42.11
Total	57	100.00

CO6: To explain and apply the string matching techniques.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	6	10.53
3-Moderate	13	22.81
4-Mostly	19	33.33
5-Definitely	19	33.33
Total	57	100.00

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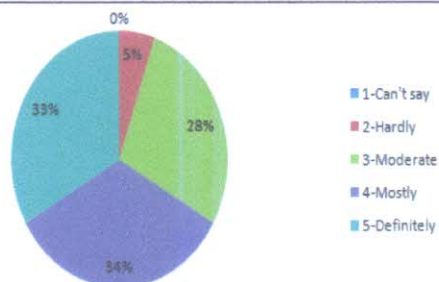
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Department of computer Engineering
Academic Year: 2019-20 (EVEN)
Course Exit Analysis Report (SEM IV)
Subject: AM-IV

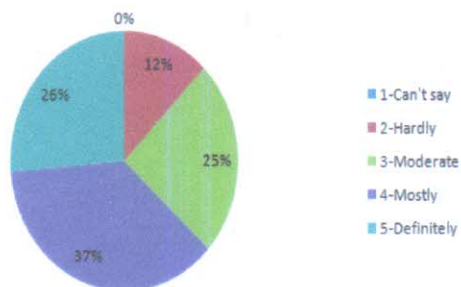
CO1: To understand matrix algebra for engineering problems.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	3	5.26
3-Moderate	16	28.07
4-Mostly	19	33.33
5-Definitely	19	33.33
Total	57	100.00



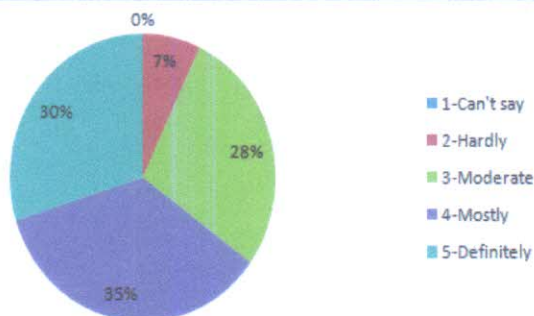
CO2: To study line and contour integrals and expansion of a complex valued function in a power series.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	7	12.28
3-Moderate	14	24.56
4-Mostly	21	36.84
5-Definitely	15	26.32
Total	57	100.00



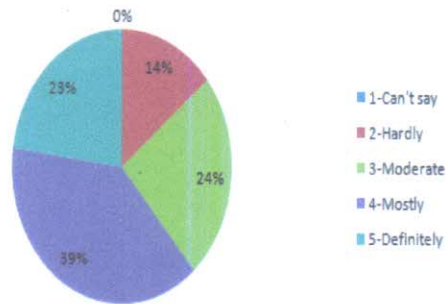
C03: To understand the concept of Z-Transform and iverse Z-Transform with its properties

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	4	7.02
3-Moderate	16	28.07
4-Mostly	20	35.09
5-Definitely	17	29.82
Total	57	100.00



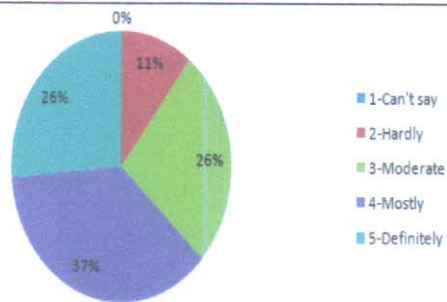
CO4: To familiarize the concept of probability distributions and sampling theory for small samples.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	8	14.04
3-Moderate	14	24.56
4-Mostly	22	38.60
5-Definitely	13	22.81
Total	57	100.00



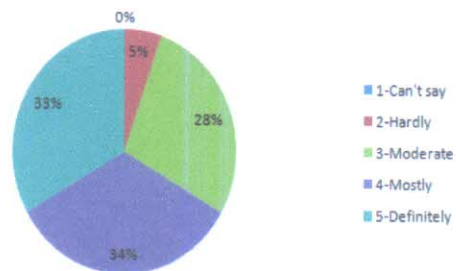
CO5: To study the basic techniques of LPP for optimization.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	6	10.53
3-Moderate	15	26.32
4-Mostly	21	36.84
5-Definitely	15	26.32
Total	57	100.00



CO6: To apply the concept of NLPP to understand the optimization of engineering problem.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	3	5.26
3-Moderate	16	28.07
4-Mostly	19	33.33
5-Definitely	19	33.33
Total	57	100.00




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Department of computer Engineering
Action taken based on feedback from students (CO & PO)
Academic Year: 2019-20 (EVEN)

Summary of feedback-Semester 4:

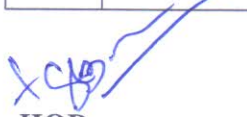
Feedbacks collected through course exit forms were analyzed and necessary actions which are useful for students were planned and conducted. Abstract of suggestions obtained from the stakeholders to enhance the employability of the student are discussed below.


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

Action Taken:

Based on suggestions, Action taken is mentioned below.

Sr. No.	Feedback/suggestions	Action Taken	Date
1	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	14/5/19
2	Need more practice on implementation of Classification algorithm	Useful links are provided: https://www.datasciencecentral.com/implementation-of-17-classification-algorithms-in-r/	10/5/19
3	Students wants the awareness about digital marketing	Seminar on Digital marketing was conducted by the resource person Mr. Sanjog Mishra	11/5/19


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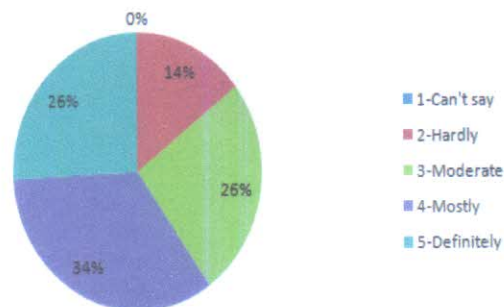
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Department of computer Engineering
Academic Year: 2019-20 (ODD)
Course Exit Analysis Report (SEM V)
Subject: TCS

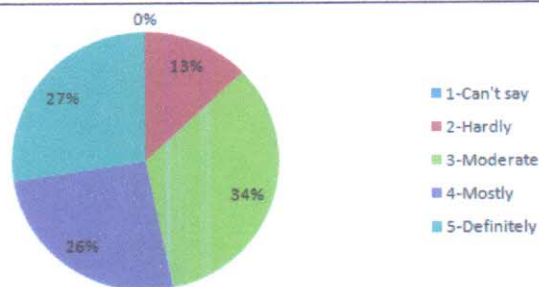
CO1: To identify the central concepts in theory of computation and analyse differentiate between deterministic and nondeterministic automata, apply formulate knowledge to obtain equivalence of NFA and DFA.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	9	14.52
3-Moderate	16	25.81
4-Mostly	21	33.87
5-Definitely	16	25.81
Total	62	100.00



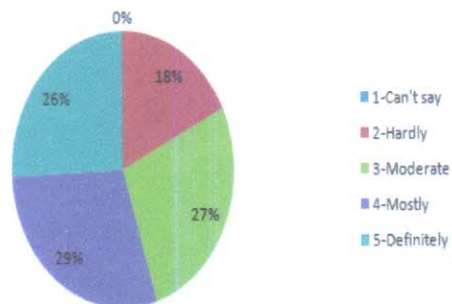
CO2: To investigate the equivalence of languages described by finite automata and regular expressions.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	8	12.31
3-Moderate	21	32.31
4-Mostly	16	24.62
5-Definitely	17	26.15
Total	62	100



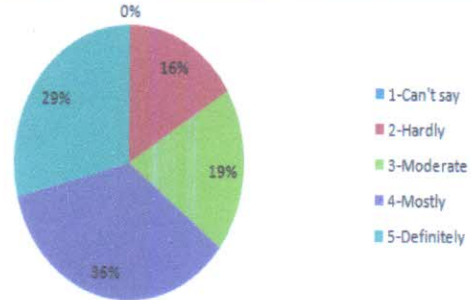
CO3: To create and apply regular, context free grammars while recognizing the strings and tokens.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	11	17.74
3-Moderate	17	27.42
4-Mostly	18	29.03
5-Definitely	16	25.81
Total	62	100.00



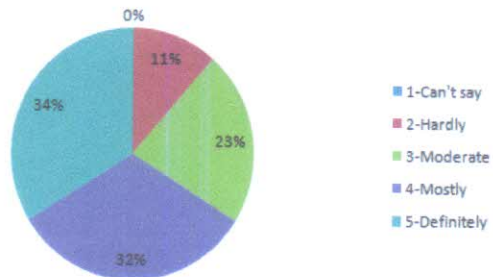
CO4: To design pushdown automata model to recognize the language.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	10	16.13
3-Moderate	12	19.35
4-Mostly	22	35.48
5-Definitely	18	29.03
Total	62	100.00



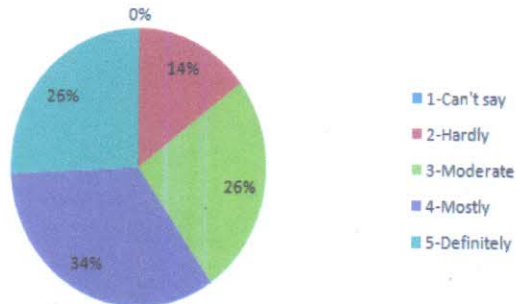
CO5: To develop an understanding of computation through Turing Machine.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	7	11.29
3-Moderate	14	22.58
4-Mostly	20	32.26
5-Definitely	21	33.87
Total	62	100.00



CO6: To acquire fundamental understanding of decidability and undecidability and apply the knowledge to solve computer engineering problem.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	9	14.52
3-Moderate	16	25.81
4-Mostly	21	33.87
5-Definitely	16	25.81
Total	62	100.00




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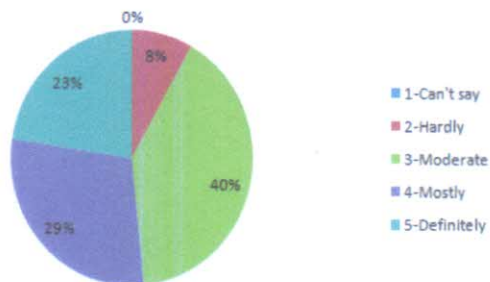
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Department of computer Engineering
Academic Year: 2019-20 (ODD)
Course Exit Analysis Report (SEM V)
Subject: MP

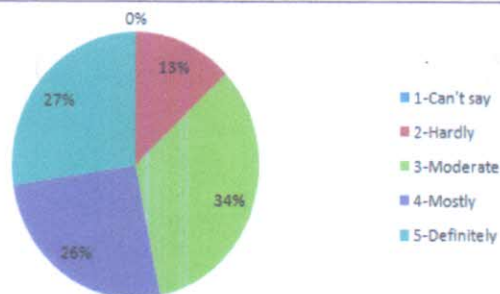
CO1: To understand basic concepts of microprocessor & Understand the concepts of interrupts.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	5	8.06
3-Moderate	25	40.32
4-Mostly	18	29.03
5-Definitely	14	22.58
Total	62	100.00



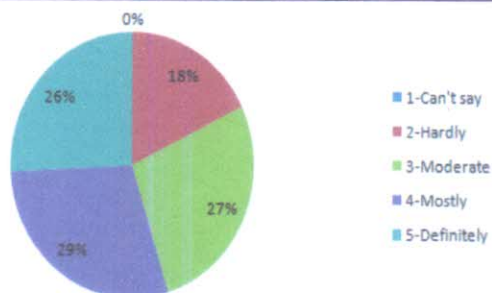
CO2: Apply background knowledge and create the appropriate logic for building assembly language programs for 8086.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	8	12.90
3-Moderate	21	33.87
4-Mostly	16	25.81
5-Definitely	17	27.42
Total	62	100.00



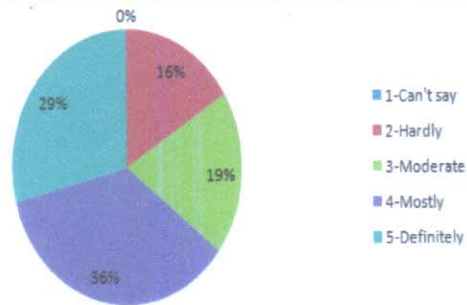
CO3: Explain various peripheral devices and their interfacing to 8086 and to apply it to design Microprocessor based system.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	11	17.74
3-Moderate	17	27.42
4-Mostly	18	29.03
5-Definitely	16	25.81
Total	62	100.00



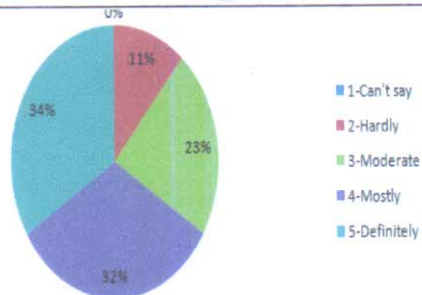
CO4: Prepare students for higher processor architecture and understand different modes of execution and extend the importance of protected mode of 80386.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	10	15.38
3-Moderate	12	18.46
4-Mostly	22	33.85
5-Definitely	18	27.69
Total	62	100



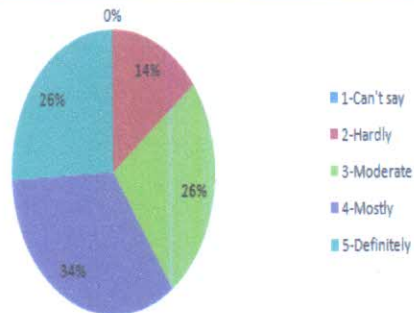
CO5: Discuss Pentium i.e. multicore processor architecture and its organization.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	7	11.29
3-Moderate	14	22.58
4-Mostly	20	32.26
5-Definitely	21	33.87
Total	62	100.00



CO6: To Understand hyperthreading technology.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	9	14.52
3-Moderate	16	25.81
4-Mostly	21	33.87
5-Definitely	16	25.81
Total	62	100.00




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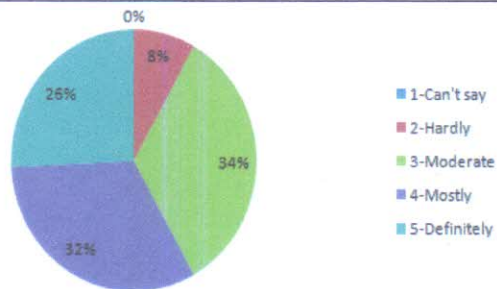
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Department of computer Engineering
Academic Year: 2019-20 (ODD)
Course Exit Analysis Report (SEM V)
Subject: DBMS

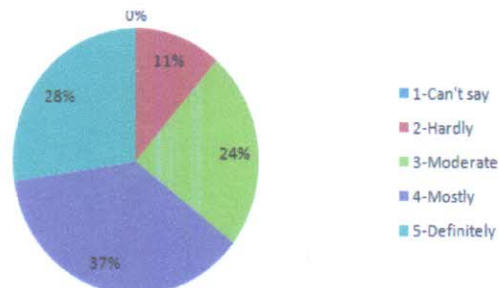
CO1: Understand the role of database management system in an organization.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	5	8.06
3-Moderate	21	33.87
4-Mostly	20	32.26
5-Definitely	16	25.81
Total	62	100.00



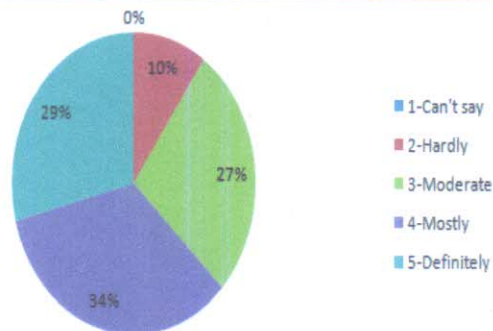
CO2: Design data modeling using the entity-relationship and developing database designs.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	7	11.29
3-Moderate	15	24.19
4-Mostly	23	37.10
5-Definitely	17	27.42
Total	62	100.00



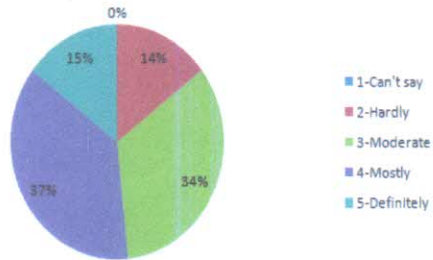
CO3: Understand the relational algebra operators.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	6	9.68
3-Moderate	17	27.42
4-Mostly	21	33.87
5-Definitely	18	29.03
Total	62	100.00



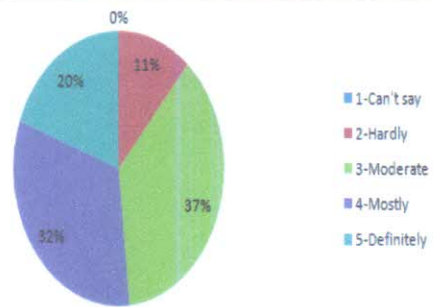
CO4: Understand the use of Structured Query Language (SQL) and learn SQL syntax.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	9	14.52
3-Moderate	21	33.87
4-Mostly	23	37.10
5-Definitely	9	14.52
Total	62	100.00



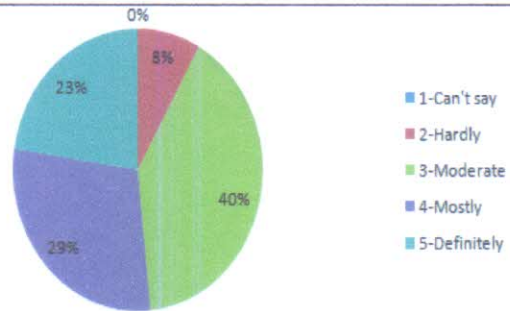
CO5: Understand the normalization techniques to normalize the database.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	7	11.29
3-Moderate	23	37.10
4-Mostly	20	32.26
5-Definitely	12	19.35
Total	62	100.00



CO6: Understand the needs of database processing and learn techniques for controlling the consequences of concurrent data access.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	5	8.06
3-Moderate	25	40.32
4-Mostly	18	29.03
5-Definitely	14	22.58
Total	62	100.00




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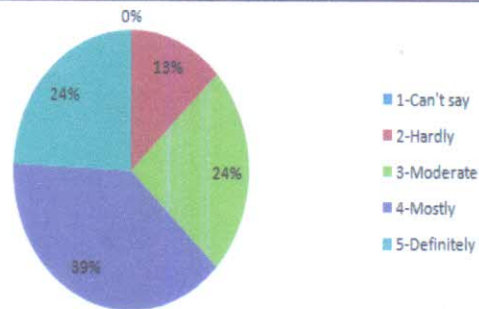
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Department of computer Engineering
Academic Year: 2019-20 (ODD)
Course Exit Analysis Report (SEM V)
Subject: CN

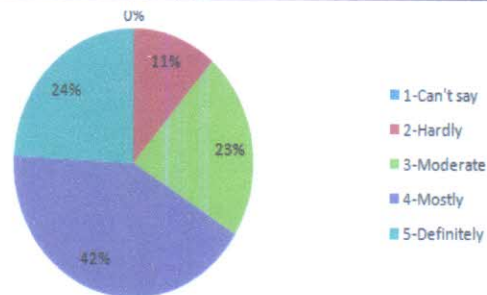
CO1: To explain and introduce concepts and fundamentals of data communication and computer networks.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	8	12.90
3-Moderate	15	24.19
4-Mostly	24	38.71
5-Definitely	15	24.19
Total	62	100.00



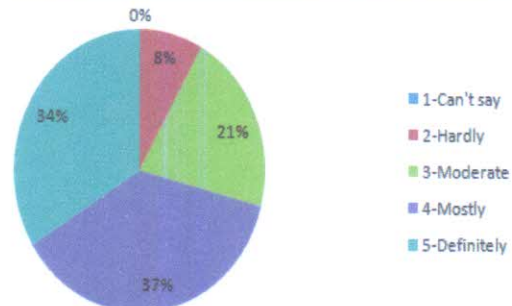
CO2: To interrelate the inter-working of various layers of OSI. To distinguish between different media used for communication.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	7	11.29
3-Moderate	14	22.58
4-Mostly	26	41.94
5-Definitely	15	24.19
Total	62	100.00



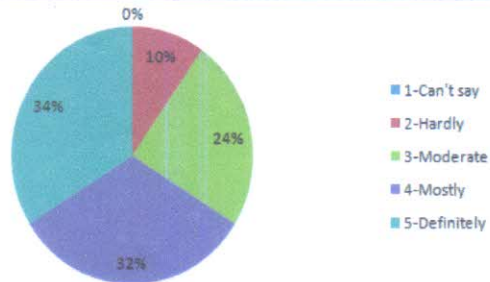
CO3: To discuss the issues and challenges of protocols design while delivering packet in network.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	5	7.69
3-Moderate	13	20.00
4-Mostly	23	35.38
5-Definitely	21	32.31
Total	62	100



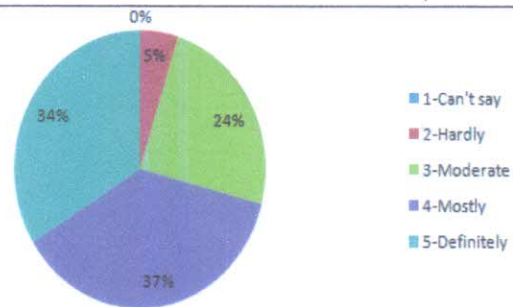
CO4: To study different protocols used for packet delivery in network layer. To assess the strengths and weaknesses of various routing algorithms.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	6	9.68
3-Moderate	15	24.19
4-Mostly	20	32.26
5-Definitely	21	33.87
Total	62	100.00



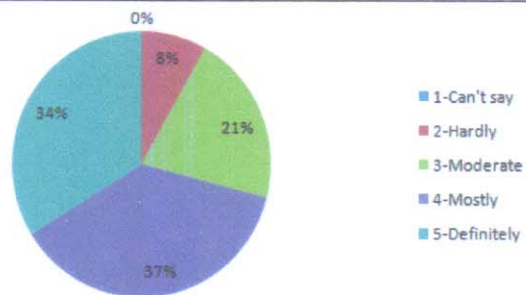
CO5: To understand how process to process communication occurs i.e. transport layer and protocols used in this layer.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	3	4.84
3-Moderate	15	24.19
4-Mostly	23	37.10
5-Definitely	21	33.87
Total	62	100.00



CO6: To understand various application layer protocols.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	5	8.06
3-Moderate	13	20.97
4-Mostly	23	37.10
5-Definitely	21	33.87
Total	62	100.00



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Department of computer Engineering
Action taken based on feedback from students (CO & PO)
Academic Year: 2019-20 (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 Routing algorithms.
- Need practical approach for Theoretical Computer Science.
- Exposure to providing a sound theoretical background as well as good practical approach.

Action Taken:

Based on suggestions, Action taken is mentioned below.

Sr. No.	Feedback/suggestions	Action Taken	Date
1.	required more content for Routing algorithms	Appropriate content provided: https://www.tutorialspoint.com/what-is-a-routing-algorithm-in-computer-network	12/10/19
2	Students are satisfied by the content	Notes are provided	14/10/19
3	Need practical approach for Theoretical Computer Science.	Provide useful links https://www.urbanpro.com/c-language/necessity-of-theory-and-practical-in-computer-science	15/10/19
4	Few students require video links	Links are provided https://www.javatpoint.com/microprocessor-vs-microcontroller	23/10/19
5	Students wants the awareness about digital marketing	Seminar on Digital marketing was conducted by the resource person Mr. Sanjog Mishra	02/04/2019

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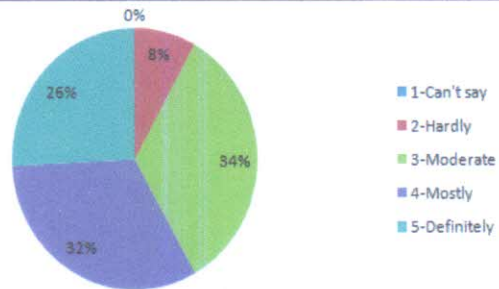
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Department of computer Engineering
Academic Year: 2019-20 (EVEN)
Course Exit Analysis Report (SEM VI)
Subject: SPCC

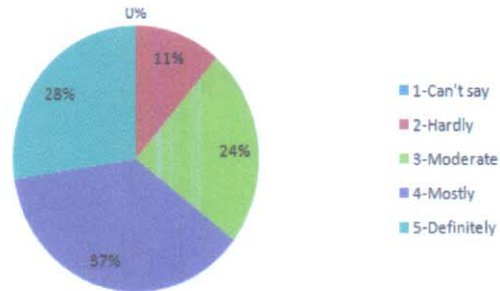
CO1: To understand the role and functionality of various system programs over application programs.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	5	8.06
3-Moderate	21	33.87
4-Mostly	20	32.26
5-Definitely	16	25.81
Total	62	100.00



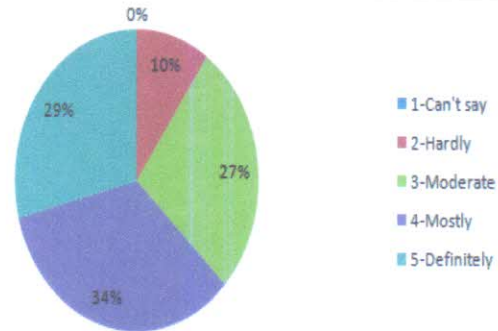
CO2: To understand basic concepts, structure and design of assemblers, macro processors, linkers and loaders.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	7	11.29
3-Moderate	15	24.19
4-Mostly	23	37.10
5-Definitely	17	27.42
Total	62	100.00



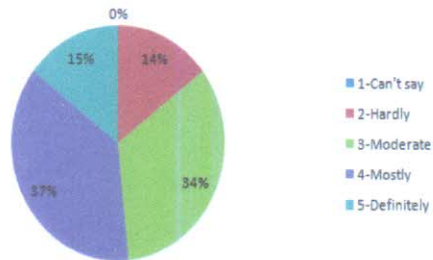
C03: To understand the basic principles of compiler design, its various constituent parts, algorithms and data structures required to be used in the compiler.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	6	9.68
3-Moderate	17	27.42
4-Mostly	21	33.87
5-Definitely	18	29.03
Total	62	100.00



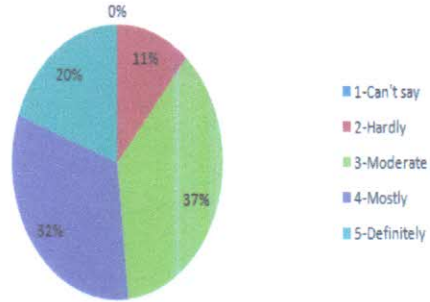
CO4: To understand the need to follow the syntax in writing an application program.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	9	14.52
3-Moderate	21	33.87
4-Mostly	23	37.10
5-Definitely	9	14.52
Total	62	100.00



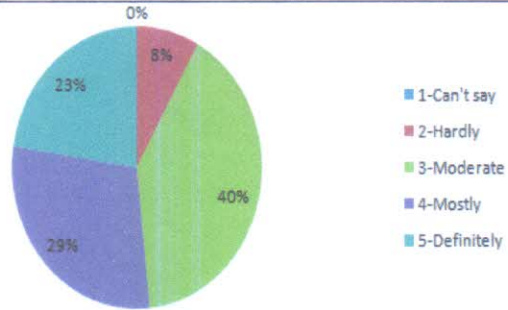
C05:to learn how the analysis phase of compiler is designed to understand the programmer 's requirements without ambiguity

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	7	11.29
3-Moderate	23	37.10
4-Mostly	20	32.26
5-Definitely	12	19.35
Total	62	100.00



CO6:To synthesize the analysis phase outcomes to produce the object code that is efficient in terms of space and execution time

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	5	8.06
3-Moderate	25	40.32
4-Mostly	18	29.03
5-Definitely	14	22.58
Total	62	100.00




HOD

**Head of Department
Computer Engg.**

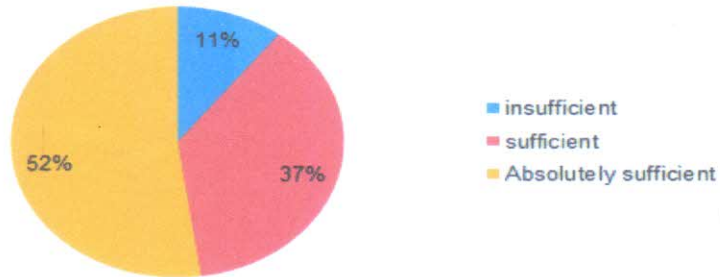


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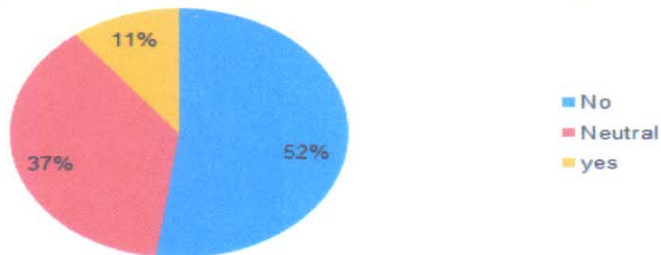


Department of computer Engineering
Academic Year: 2019-20 (EVEN)
Course Exit Analysis Report (SEM VI)
Subject: CSS

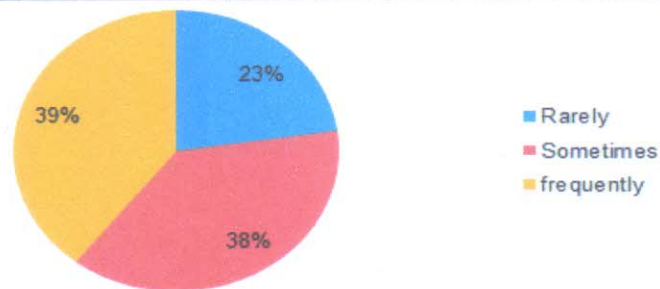
Q1 On what scale, contents learned in practical/theory hours are sufficient to understand course?



Q.2 Are you interested to study advanced contents in this topics?



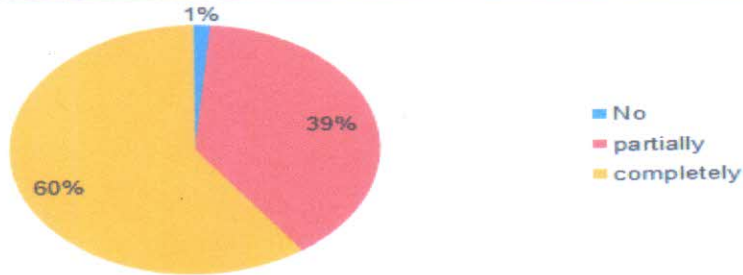
Q.3 Do you believe you will be able to apply knowledge gained in this course to solve real time problems



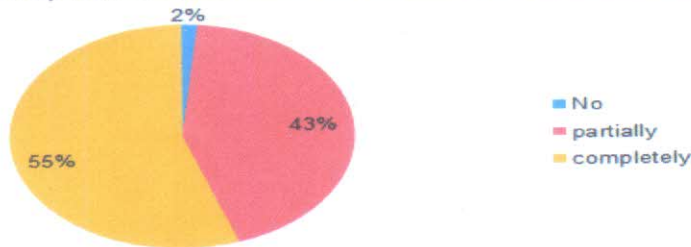


Department of computer Engineering
Academic Year: 2019-20 (EVEN)
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Subject: CSS

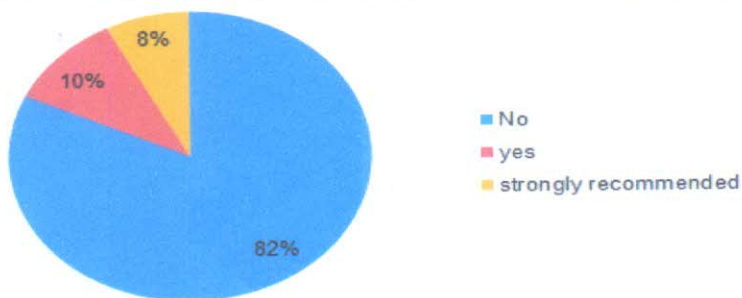
Q.4 Have you understood the principles and techniques of the course?



Q.5 Are you able to understand the various data structures and passes of assembler design?



Q.6 Do you think syllabus needs revision?



H.O.D.

Head of Department
Computer Engg.



Principal

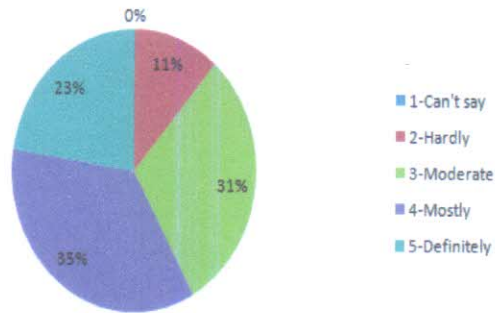
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Department of computer Engineering
Academic Year: 2019-20 (EVEN)
Course Exit Analysis Report (SEM VI)
Subject: SE

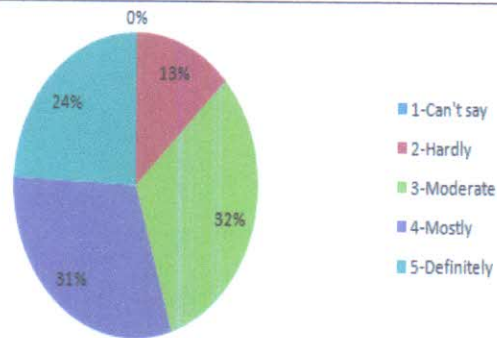
CO1: To understand Software Engineering and analyze Process Models.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	7	11.29
3-Moderate	19	30.65
4-Mostly	22	35.48
5-Definitely	14	22.58
Total	62	100.00



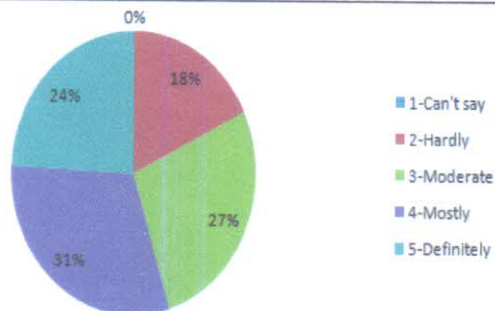
CO2: To identify, Analyze Requirements in Software and develop Software Requirement Specification (SRS) document.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	8	12.90
3-Moderate	20	32.26
4-Mostly	19	30.65
5-Definitely	15	24.19
Total	62	100.00



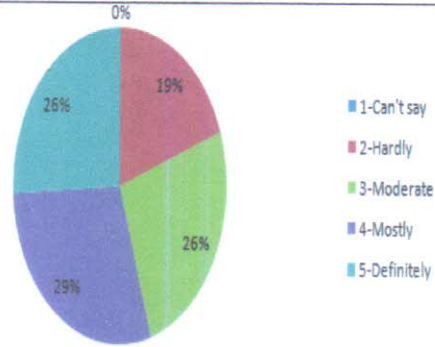
CO3: To classify and execute the process of the project using project estimation techniques and tracking and scheduling the project.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	11	17.74
3-Moderate	17	27.42
4-Mostly	19	30.65
5-Definitely	15	24.19
Total	62	100.00



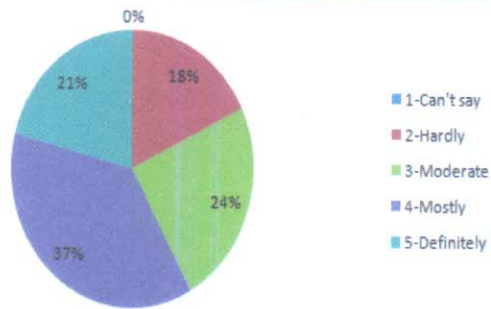
CO4: To design of Software Project using basic Principles and concepts.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	12	19.35
3-Moderate	16	25.81
4-Mostly	18	29.03
5-Definitely	16	25.81
Total	62	100.00



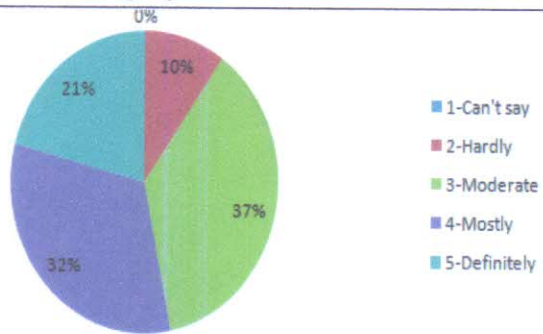
CO5: To evaluate the Software by using various Testing Approaches.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	11	17.74
3-Moderate	15	24.19
4-Mostly	23	37.10
5-Definitely	13	20.97
Total	62	100.00



CO6: To identify Risk in software to assure Quality in software project.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	6	9.68
3-Moderate	23	37.10
4-Mostly	20	32.26
5-Definitely	13	20.97
Total	62	100.00




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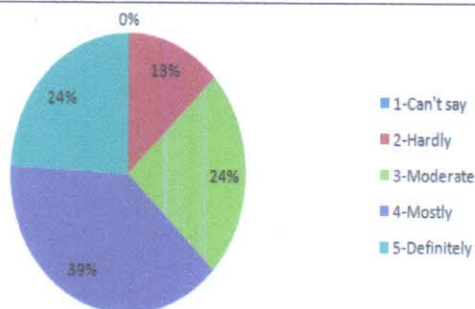
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Department of computer Engineering
Academic Year: 2019-20 (EVEN)
Course Exit Analysis Report (SEM VI)
Subject: DWM

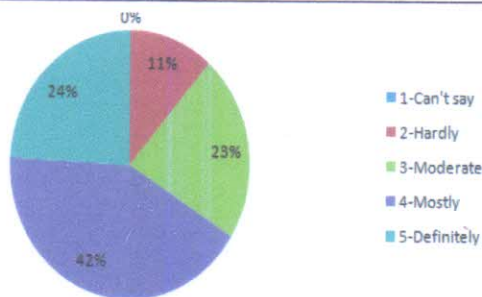
CO1: To understand, design data warehouse with dimensional modelling with analyzing different OLAP operation.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	8	12.90
3-Moderate	15	24.19
4-Mostly	24	38.71
5-Definitely	15	24.19
Total	62	100.00



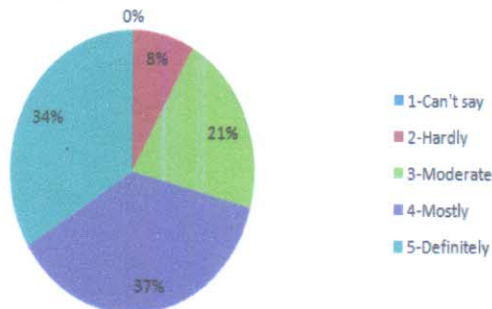
CO2: To understand data mining principles with data preprocessing and data exploration.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	7	11.29
3-Moderate	14	22.58
4-Mostly	26	41.94
5-Definitely	15	24.19
Total	62	100.00



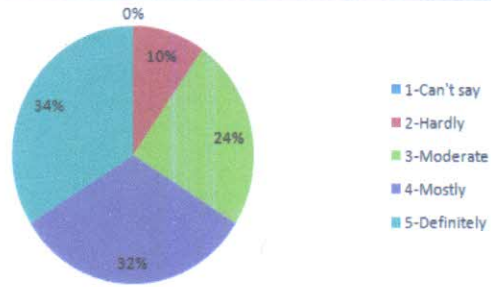
CO3: To classify and evaluate appropriate data mining algorithm.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	5	7.69
3-Moderate	13	20.00
4-Mostly	23	35.38
5-Definitely	21	32.31
Total	62	100



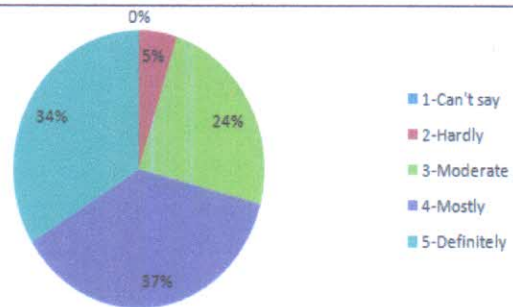
CO4: To analyze and evaluate clustering technique.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	6	9.68
3-Moderate	15	24.19
4-Mostly	20	32.26
5-Definitely	21	33.87
Total	62	100.00



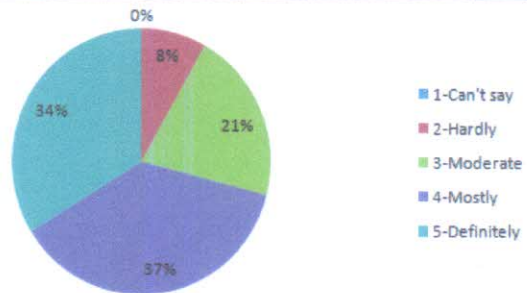
CO5: To identify and apply associate rule mining technique for real time applications.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	3	4.84
3-Moderate	15	24.19
4-Mostly	23	37.10
5-Definitely	21	33.87
Total	62	100.00



CO6: To understand and apply the concept of web mining.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	5	8.06
3-Moderate	13	20.97
4-Mostly	23	37.10
5-Definitely	21	33.87
Total	62	100.00

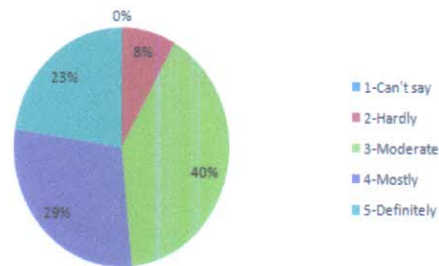




Department of computer Engineering
Academic Year: 2019-20 (EVEN)
Course Exit Analysis Report (SEM VI)
Subject: CSS

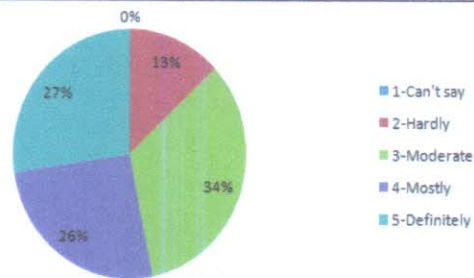
CO1: To introduce classical encryption techniques and concepts of modular arithmetic and number theory.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	5	8.06
3-Moderate	25	40.32
4-Mostly	18	29.03
5-Definitely	14	22.58
Total	62	100.00



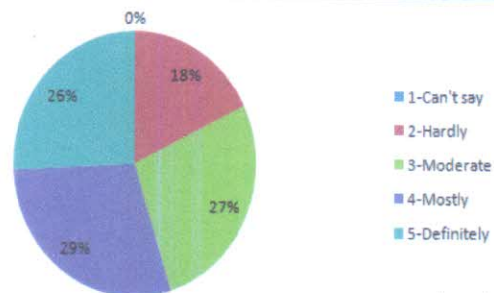
CO2: To explore the working principles and utilities of various cryptographic algorithms.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	8	12.90
3-Moderate	21	33.87
4-Mostly	16	25.81
5-Definitely	17	27.42
Total	62	100.00



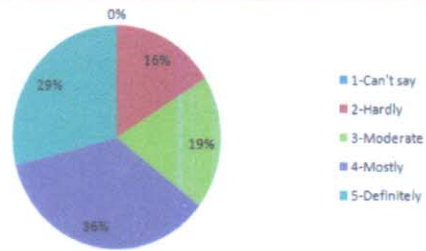
CO3: To explore the design issues and working principles of various authentication protocols.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	11	17.74
3-Moderate	17	27.42
4-Mostly	18	29.03
5-Definitely	16	25.81
Total	62	100.00



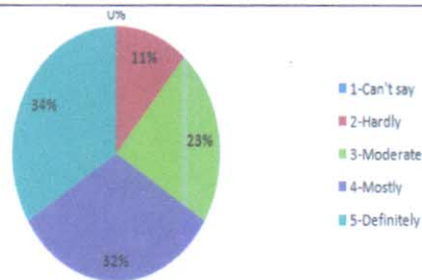
CO4: To develop the ability to use existing cryptographic utilities to build programs for secure Communication.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	10	15.38
3-Moderate	12	18.46
4-Mostly	22	33.85
5-Definitely	18	27.69
Total	62	100



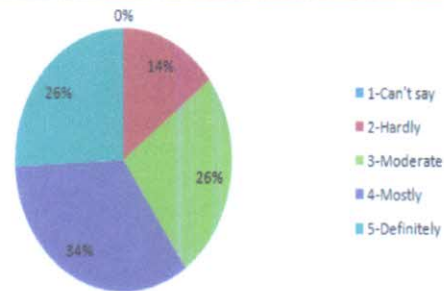
CO5: To Understand, compare and apply different encryption and decryption techniques to solve problems related to confidentiality and authentication.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	7	11.29
3-Moderate	14	22.58
4-Mostly	20	32.26
5-Definitely	21	33.87
Total	62	100.00



CO6: Analyse and apply system security concept to recognize malicious code.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	9	14.52
3-Moderate	16	25.81
4-Mostly	21	33.87
5-Definitely	16	25.81
Total	62	100.00



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Department of computer Engineering
Action taken based on feedback from students (CO & PO)
Academic Year: 2019-20 (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.

Action Taken:

Based on suggestions, Action taken is mentioned below.

Sr. No.	Feedback/suggestions	Action Taken	Date
1	Needs more practice on Compiler Analysis Phase	Useful links are provided: https://nptel.ac.in/courses/106108052	11/5/20
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	18/5/20
3	Needs Seminar on Blockchain	Seminar conducted on Blockchain	1/3/20


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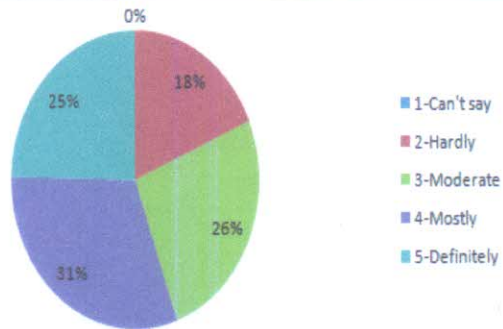
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Department of Computer Engineering
Academic Year: 2019-20 (ODD)
Course Exit Analysis Report (SEM VII)
Subject: HMI

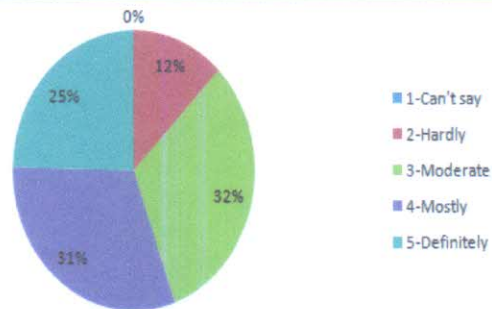
CO1: To learn the foundation of human machine interaction.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	12	18.46
3-Moderate	17	26.15
4-Mostly	20	30.77
5-Definitely	16	24.62
Total	65	100



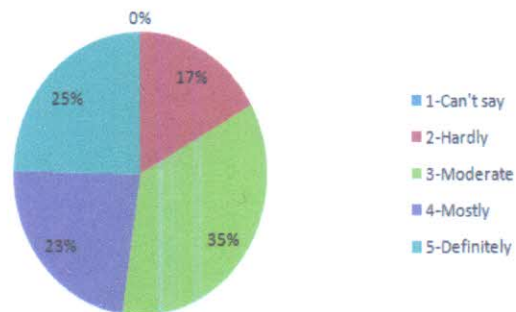
CO2: To understand the importance of human psychology in designing good interfaces.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	8	12.31
3-Moderate	21	32.31
4-Mostly	20	30.77
5-Definitely	16	24.62
Total	65	100



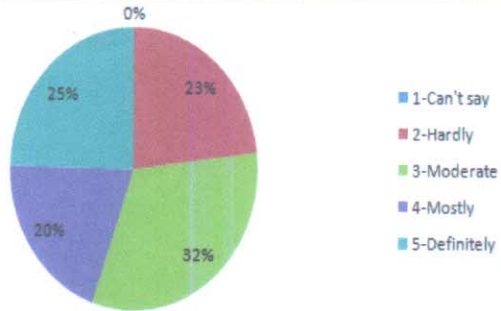
CO3: To learn the graphical user interface.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	11	16.92
3-Moderate	23	35.38
4-Mostly	15	23.08
5-Definitely	16	24.62
Total	65	100



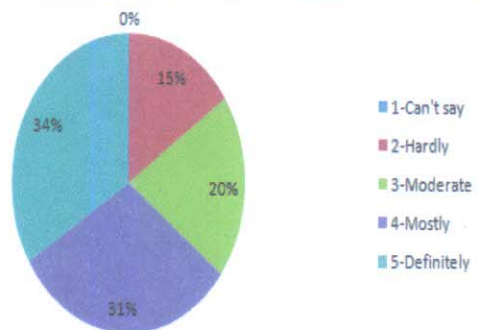
CO4: To make aware of mobile interaction design and its usage in day – to – day activities

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	15	23.08
3-Moderate	21	32.31
4-Mostly	13	20.00
5-Definitely	16	24.62
Total	65	100



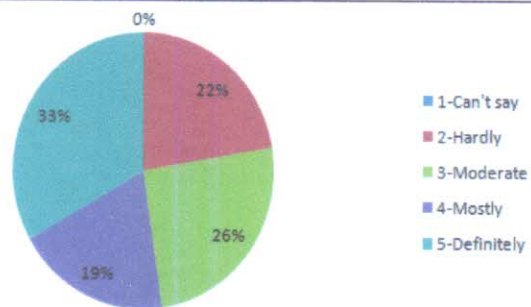
CO5: To understand various design technologies to meet user requirements.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	10	15.38
3-Moderate	13	20.00
4-Mostly	20	30.77
5-Definitely	22	33.85
Total	65	100



CO6: To encourage to indulge into research in Machine Interaction Design

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	14	21.54
3-Moderate	16	24.62
4-Mostly	12	18.46
5-Definitely	21	32.31
Total	63	96.92307692




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Department of computer Engineering
Academic Year: 2019-20 (ODD)
Course Exit Analysis Report (SEM VII)
Subject: DC

CO1: To provide students with contemporary knowledge in distributed systems

Score	No. of St	Percentage
1-Can't say	6	9.23
2-Hardly	3	4.62
3-Moderate	8	12.31
4-Mostly	18	27.69
5-Definitely	30	46.15
Total	65	100

CO2: To equip students with skills to analyze and design distributed applications.

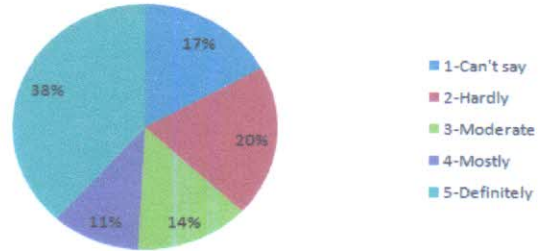
Score	No. of St	Percentage
1-Can't say	6	9.23
2-Hardly	3	4.62
3-Moderate	10	15.38
4-Mostly	12	18.46
5-Definitely	34	52.31
Total	65	100

CO3: To learn master skills to measure the performance of distributed synchronization algorithm

Score	No. of St	Percentage
1-Can't say	8	12.31
2-Hardly	3	4.62
3-Moderate	14	21.54
4-Mostly	10	15.38
5-Definitely	30	46.15
Total	65	100

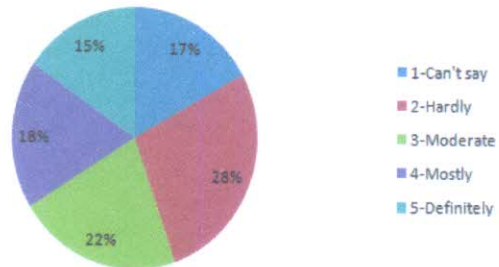
CO4: study different resources and process management techniques in distributed environment

Score	No. of St	Percentage
1-Can't say	11	16.92
2-Hardly	13	20.00
3-Moderate	9	13.85
4-Mostly	7	10.77
5-Definitely	25	38.46
Total	65	100



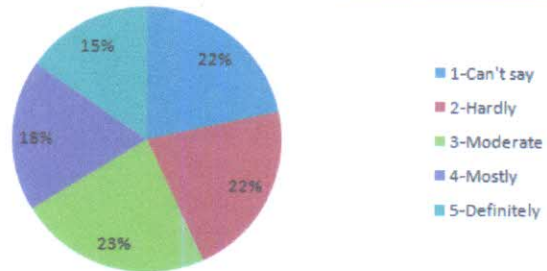
CO5: To explain techniques to maintain data consistent in distributed computing.

Score	No. of St	Percentage
1-Can't say	11	16.92
2-Hardly	18	27.69
3-Moderate	14	21.54
4-Mostly	12	18.46
5-Definitely	10	15.38
Total	65	100



CO6: To understand and explore knowledge of distributed file system.

Score	No. of St	Percentage
1-Can't say	14	21.54
2-Hardly	14	21.54
3-Moderate	15	23.08
4-Mostly	12	18.46
5-Definitely	10	15.38
Total	65	100



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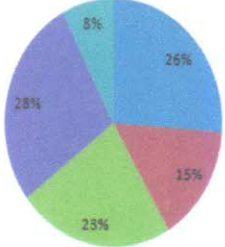
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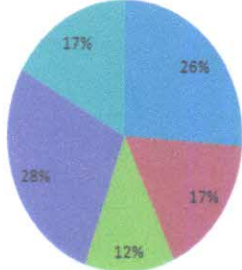
Department of computer Engineering
Academic Year: 2019-20 (ODD)
Course Exit Analysis Report (SEM VII)
Subject: EM

CO1: To understand the concept of environmental management		
Score	No. of St	Percentage
1-Can't say	17	26.15
2-Hardly	10	15.38
3-Moderate	15	23.08
4-Mostly	18	27.69
5-Definitely	5	7.69
Total	65	100



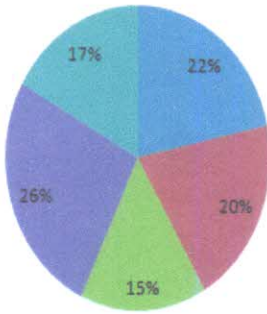
- 1-Can't say
- 2-Hardly
- 3-Moderate
- 4-Mostly
- 5-Definitely

CO2: To understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.		
Score	No. of St	Percentage
1-Can't say	17	26.15
2-Hardly	11	16.92
3-Moderate	8	12.31
4-Mostly	18	27.69
5-Definitely	11	16.92
Total	65	100



- 1-Can't say
- 2-Hardly
- 3-Moderate
- 4-Mostly
- 5-Definitely

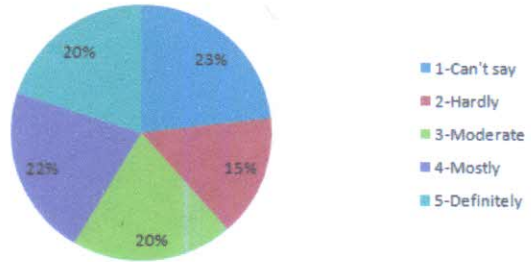
CO3: To explain the concept of ecosystem its interdependence & food chain etc		
Score	No. of St	Percentage
1-Can't say	14	21.54
2-Hardly	13	20.00
3-Moderate	10	15.38
4-Mostly	17	26.15
5-Definitely	11	16.92
Total	65	100



- 1-Can't say
- 2-Hardly
- 3-Moderate
- 4-Mostly
- 5-Definitely

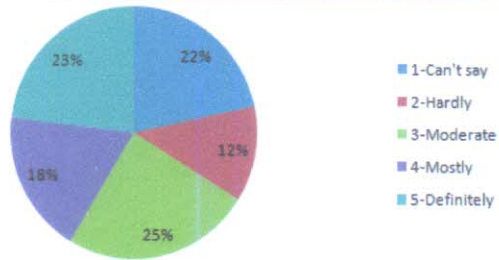
CO4: To explain the concept of ecosystem its interdependence & food chain etc

Score	No. of St	Percentage
1-Can't say	15	23.08
2-Hardly	10	15.38
3-Moderate	13	20.00
4-Mostly	14	21.54
5-Definitely	13	20.00
Total	65	100



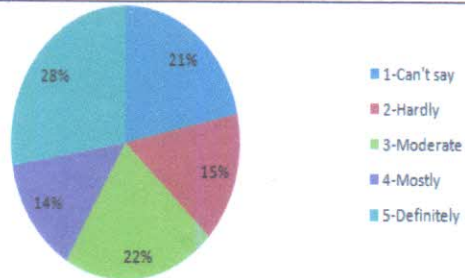
CO5: To apply the process of ISO-14000, EMS Certification to their respective companies

Score	No. of St	Percentage
1-Can't say	14	21.54
2-Hardly	8	12.31
3-Moderate	16	24.62
4-Mostly	12	18.46
5-Definitely	15	23.08
Total	65	100



CO6: To understand and interpret environment related legislations

Score	No. of St	Percentage
1-Can't say	14	21.54
2-Hardly	10	15.38
3-Moderate	14	21.54
4-Mostly	9	13.85
5-Definitely	18	27.69
Total	65	100



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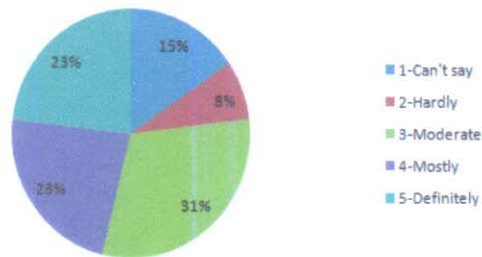
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Department of computer Engineering
Academic Year: 2019-20 (ODD)
Course Exit Analysis Report (SEM VII)
Subject: NLP

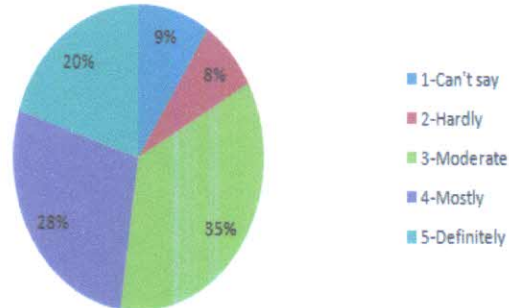
CO1: To understand the basic concepts of Natural Language Processing

Score	No. of St	Percentage
1-Can't say	10	15.38
2-Hardly	5	7.69
3-Moderate	20	30.77
4-Mostly	15	23.08
5-Definitely	15	23.08
Total	65	100



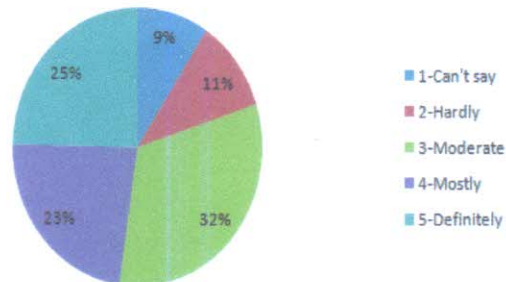
CO2: To create and apply appropriate techniques for word level analysis in natural language processing.

Score	No. of St	Percentage
1-Can't say	6	9.23
2-Hardly	5	7.69
3-Moderate	23	35.38
4-Mostly	18	27.69
5-Definitely	13	20.00
Total	65	100



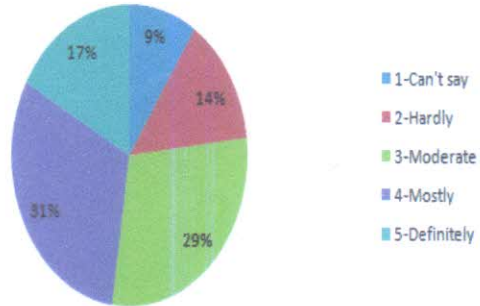
CO3: To design and apply the concept of main language level: Morphology, syntax, semantic, pragmatic For a software system to meet specified needs with social consideration.

Score	No. of St	Percentage
1-Can't say	6	9.23
2-Hardly	7	10.77
3-Moderate	21	32.31
4-Mostly	15	23.08
5-Definitely	16	24.62
Total	65	100



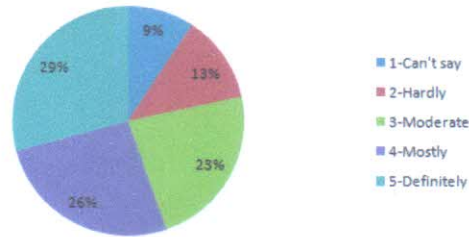
CO4: To investigate engineering problem and design model for semantic analysis.

Score	No. of St	Percentage
1-Can't say	6	9.23
2-Hardly	9	13.85
3-Moderate	19	29.23
4-Mostly	20	30.77
5-Definitely	11	16.92
Total	65	100



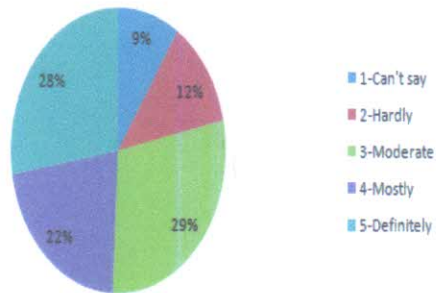
CO5: To identify difficult issues of society and to create the various language models in world of NLP.

Score	No. of St	Percentage
1-Can't say	6	9.23
2-Hardly	8	12.31
3-Moderate	15	23.08
4-Mostly	17	26.15
5-Definitely	19	29.23
Total	65	100



CO6: To design and present Mini project in groups.

Score	No. of St	Percentage
1-Can't say	6	9.23
2-Hardly	8	12.31
3-Moderate	19	29.23
4-Mostly	14	21.54
5-Definitely	18	27.69
Total	65	100



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Department of computer Engineering
Action taken based on feedback from students (CO & PO)
Academic Year: 2019-20 (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.
- Students needs more practice on Neural Networks and Fuzzy Logic

Action Taken:

Based on suggestions, Action taken is 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	12/10/19
2.	Maximum students were satisfied by the contents, need study material	Study material is provided https://www.geeksforgeeks.org/natural-language-programming/	13/10/19
3.	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	16/10/19
4.	Students needs more practice on Neural Networks and Fuzzy Logic	Sufficient content provided by useful link: https://gateknowledge.in/neural-networks-and-fuzzy-logic/	18/10/19

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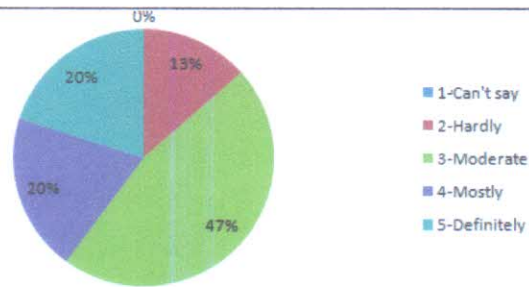
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Department of computer Engineering
Academic Year: 2019-20 (EVEN)
Course Exit Analysis Report (SEM VIII)
Subject: ASSDF

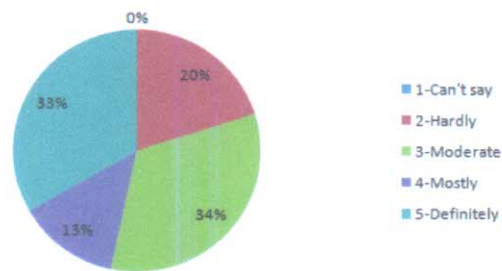
CO1: To understand cyber attacks and defense strategies and express underlying principles of access control mechanisms.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	2	13.33
3-Moderate	7	46.67
4-Mostly	3	20.00
5-Definitely	3	20.00
Total	15	100.00



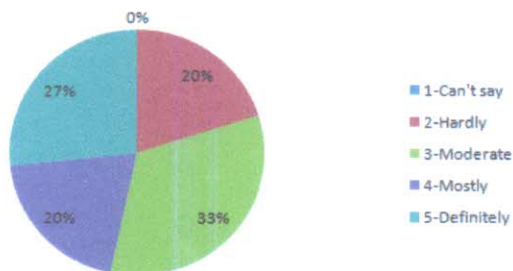
CO2: To Classify malicious code and targeted malicious code.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	3	20.00
3-Moderate	5	33.33
4-Mostly	2	13.33
5-Definitely	5	33.33
Total	15	100.00



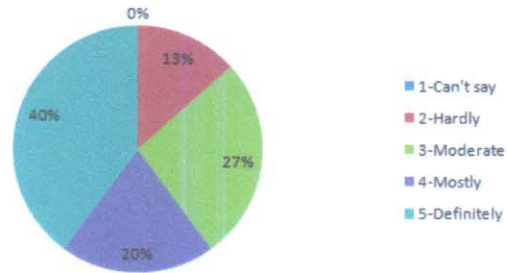
CO3: To explore software vulnerabilities, attacks and protection mechanisms of web application.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	3	20.00
3-Moderate	5	33.33
4-Mostly	3	20.00
5-Definitely	4	26.67
Total	15	100.00



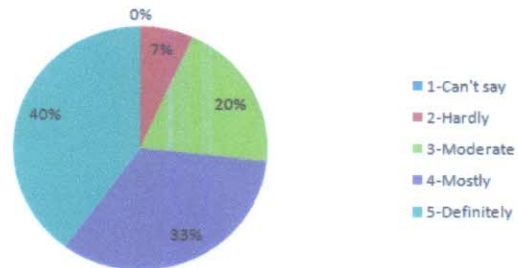
CO4: To explore vulnerabilities, attacks and protection mechanisms of wireless networks and protocols, WLAN & mobile devices.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	2	13.33
3-Moderate	4	26.67
4-Mostly	3	20.00
5-Definitely	6	40.00
Total	15	100.00



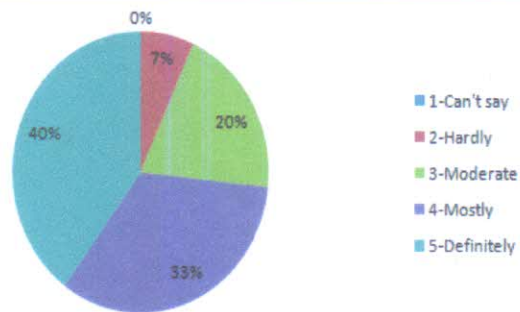
CO5: To Develop and mitigate security management and policies.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	1	6.67
3-Moderate	3	20.00
4-Mostly	5	33.33
5-Definitely	6	40.00
Total	15	100.00



CO6: To Use and explore techniques used in digital forensics.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	1	6.67
3-Moderate	3	20.00
4-Mostly	5	33.33
5-Definitely	6	40.00
Total	15	100.00




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Department of computer Engineering
Academic Year: 2019-20 (EVEN)
Course Exit Analysis Report (SEM VIII)
Subject: Big Data & Analytics

CO1: To provide an overview of an exciting growing field of big data analytics.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	8	16.67
3-Moderate	14	29.17
4-Mostly	10	20.83
5-Definitely	16	33.33
Total	48	100.00

CO2: To introduce programming skills to build simple solutions using big data technologies.

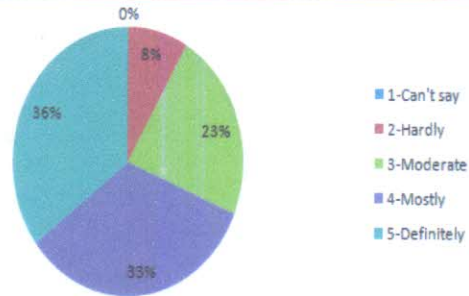
Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	5	10.42
3-Moderate	15	31.25
4-Mostly	12	25.00
5-Definitely	16	33.33
Total	48	100.00

CO3: To teach the fundamental techniques and principles in achieving big data analytics with scalability.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	6	12.50
3-Moderate	13	27.08
4-Mostly	14	29.17
5-Definitely	15	31.25
Total	48	100.00

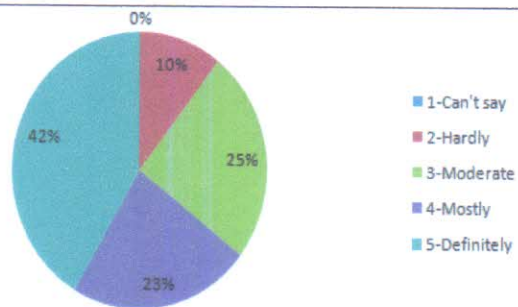
CO4: To enable students to have skills that will help them to solve complex real-world problems.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	4	8.33
3-Moderate	11	22.92
4-Mostly	16	33.33
5-Definitely	17	35.42
Total	48	100.00



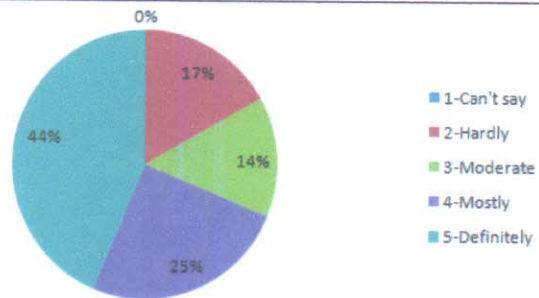
CO5: To provide an indication of the current research approaches.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	5	10.42
3-Moderate	12	25.00
4-Mostly	11	22.92
5-Definitely	20	41.67
Total	48	100.00



CO6: To Adapt adequate perspectives of big data analytics in various applications.

Score	No. of St	Percentage
1-Can't say	0	0.00
2-Hardly	8	16.67
3-Moderate	7	14.58
4-Mostly	12	25.00
5-Definitely	21	43.75
Total	48	100.00




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Department of computer Engineering
Action taken based on feedback from students (CO & PO)
Academic Year: 2019-20 (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.

- More practice for about deployment models such as private, public, hybrid and community
- Need awareness about the latest technologies and practices in industry.
- Need animated videos for better understanding.

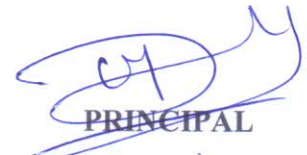
Action Taken:

Based on suggestions, Action taken is mentioned below.

Sr. No.	Feedback/suggestions	Action Taken	Date
1	Content provided in syllabus is vast and needs notes about deployment models such as private, public, hybrid and community	link is given to cover the remaining topics: https://theintactone.com/2019/07/14/ccb-u2-topic-1-cloud-deployment-models-public-community-private-hybrid-models/	20/5/20
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	14/5/20


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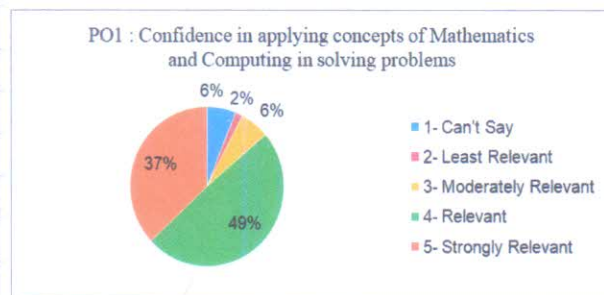
Department of Computer Engineering

Academic Year 2019-20

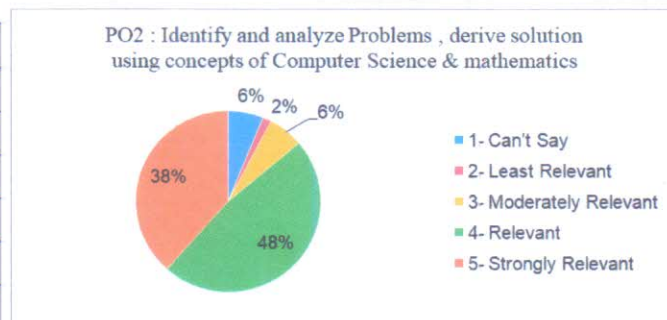
Program Exit Analysis Report

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

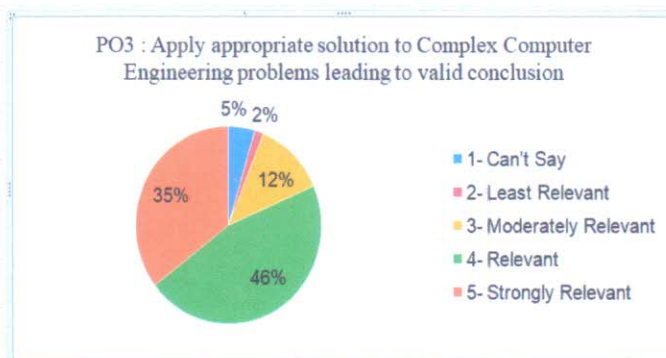
Score	No. of Students	Total %
1- Can't Say	4	6%
2- Least Relevant	1	2%
3- Moderately Releva	4	6%
4- Relevant	32	49%
5- Strongly Relevant	24	37%
Grand Total	65	100%



Score	No. of Students	Total %
1- Can't Say	4	6%
2- Least Relevant	1	2%
3- Moderately Releva	4	6%
4- Relevant	31	48%
5- Strongly Relevant	25	38%
Grand Total	65	100%



Score	No. of Students	Total %
1- Can't Say	3	5%
2- Least Relevant	1	2%
3- Moderately Releva	8	12%
4- Relevant	30	46%
5- Strongly Relevant	23	35%
Grand Total	65	100%





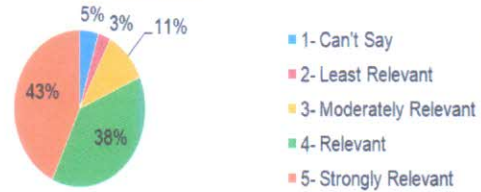
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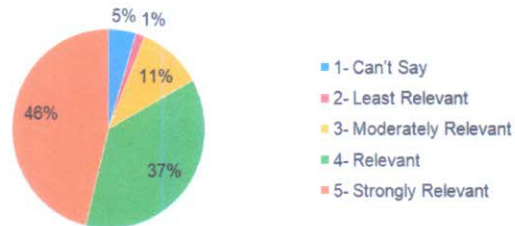
Score	No. of Students	Total%
1- Can't Say	3	5%
2- Least Relevant	2	3%
3- Moderately Releval	7	11%
4- Relevant	25	38%
5- Strongly Relevant	28	43%
Grand Total	65	100%

PO4 : Design a software System, components, Process to meet specified needs with appropriate attention to health and Safety Standards, Environmental and Societal Considerations



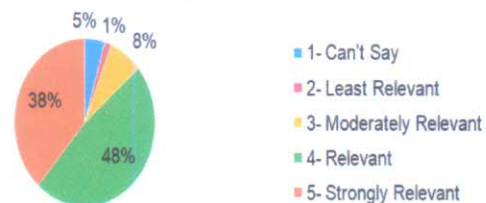
Score	No. of Students	Total%
1- Can't Say	3	5%
2- Least Relevant	1	2%
3- Moderately Releval	7	11%
4- Relevant	24	37%
5- Strongly Relevant	30	46%
Grand Total	65	100%

PO5 : Create, select and apply appropriate techniques, resources and advanced Engineering software using modern tools and design for Computer Engineering Problems



Score	No. of Students	Total %
1- Can't Say	3	5%
2- Least Relevant	1	2%
3- Moderately Releval	5	8%
4- Relevant	31	48%
5- Strongly Relevant	25	38%
Grand Total	65	100%

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





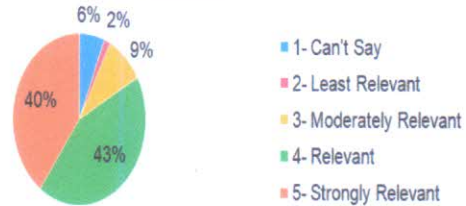
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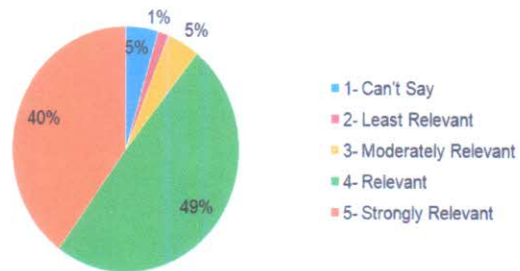
Score	No. of Students	Total%
1- Can't Say	4	6%
2- Least Relevant	1	2%
3- Moderately Relevant	6	9%
4- Relevant	28	43%
5- Strongly Relevant	26	40%
Grand Total	65	100%

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



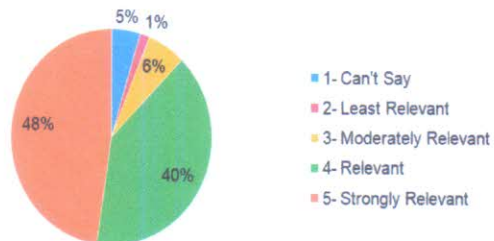
Score	No. of Students	Total%
1- Can't Say	3	5%
2- Least Relevant	1	2%
3- Moderately Relevant	3	5%
4- Relevant	32	49%
5- Strongly Relevant	26	40%
Grand Total	65	100%

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



Score	No. of Students	Total%
1- Can't Say	3	5%
2- Least Relevant	1	2%
3- Moderately Relevant	4	6%
4- Relevant	26	40%
5- Strongly Relevant	31	48%
Grand Total	65	100%

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





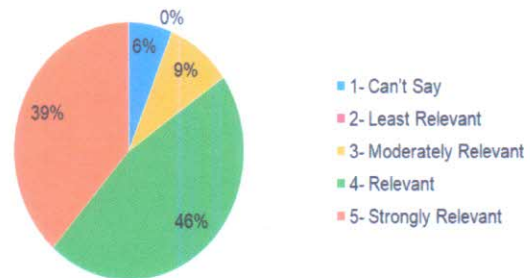
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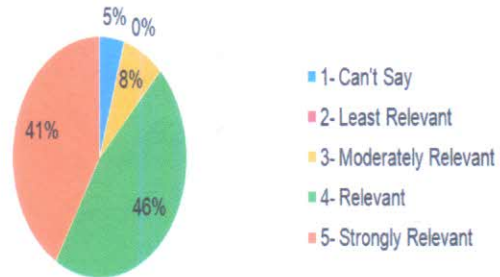
Score	No. of Students	Total %
1- Can't Say	4	6%
2- Least Relevant	0	0%
3- Moderately Relevant	6	9%
4- Relevant	30	46%
5- Strongly Relevant	25	38%
Grand Total	65	100%

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



Score	No. of Students	Total %
1- Can't Say	3	5%
2- Least Relevant	0	0%
3- Moderately Relevant	5	8%
4- Relevant	30	46%
5- Strongly Relevant	27	42%
Grand Total	65	100%

PO11 : Apply principles of Management



Score	No. of Students	Total %
1- Can't Say	4	6%
2- Least Relevant	1	2%
3- Moderately Relevant	10	15%
4- Relevant	24	37%
5- Strongly Relevant	26	40%
Grand Total	65	100%

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





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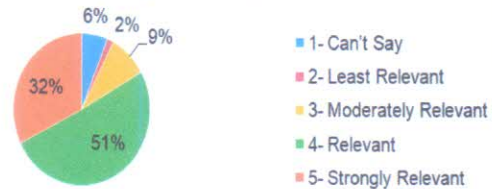
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PSO: Program Specific Objectives

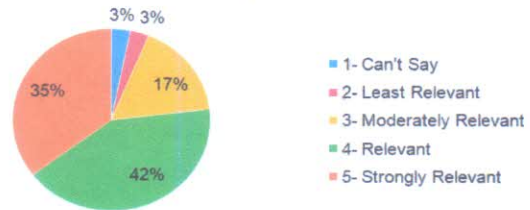
Score	No.of Students	Total %
1- Can't Say	4	6%
2- Least Relevant	1	2%
3- Moderately Releval	6	9%
4- Relevant	33	51%
5- Strongly Relevant	21	32%
Grand Total	65	100%

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	2	3%
2- Least Relevant	2	3%
3- Moderately Releval	11	17%
4- Relevant	27	42%
5- Strongly Relevant	23	35%
Grand Total	65	100%

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



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Principal

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Department of computer Engineering
Action taken based on feedback from students (CO & PO)
Academic Year: 2019-20

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	Students required seminar on AI & ML	Seminar was conducted by the recourse person M .Pankaj Pawar	17/01/2020
2	Students required webinar on linux	Seminar was taken Mr. Ramesh Kharat and Mr. Harshit Shukla	03/02/2020
3	Students had few queries on emerging topics of NLP	To overcome that queries workshop was conducted by prof. Tushar Ghorpade	12/02/2020
4	IOT workshop was required by the students	Three days workshop on IOT was arranged by Mr. Karan Bahure	09/09/2019 to 11/09/2019
5	Needs seminar on emerging opportunities on internship	Seminar was organized by Mr. Sanket Parab	14/10/2019

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