



SARASWATI Education Society's
SARASWATI College of Engineering

Learn Live Achieve and Contribute

Kharghar, Navi Mumbai - 410 210.

NAAC A+ Accredited

Department of Computer Science And Engineering in Data Science

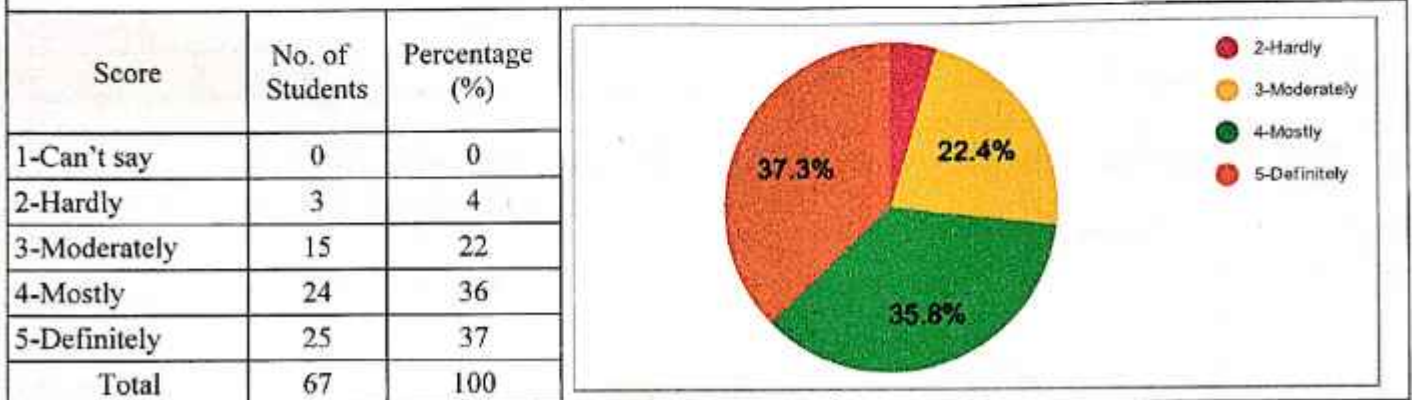
Academic Year 2023-24 (EVEN SEM)

Course Exit Analysis Report (Sem - IV)

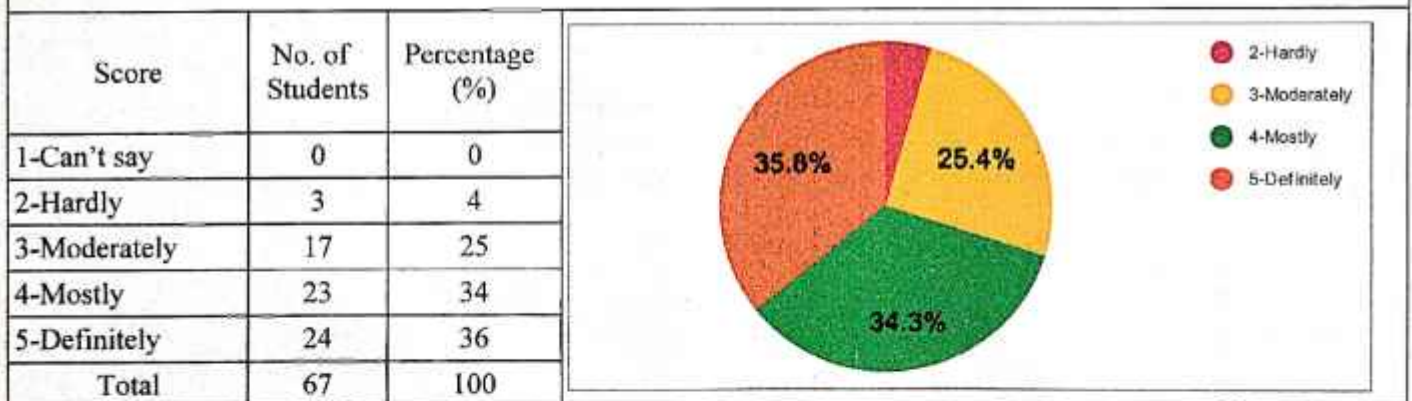
Subject- AOA Lab

Subject Incharge- Prof. Diksha Bombe

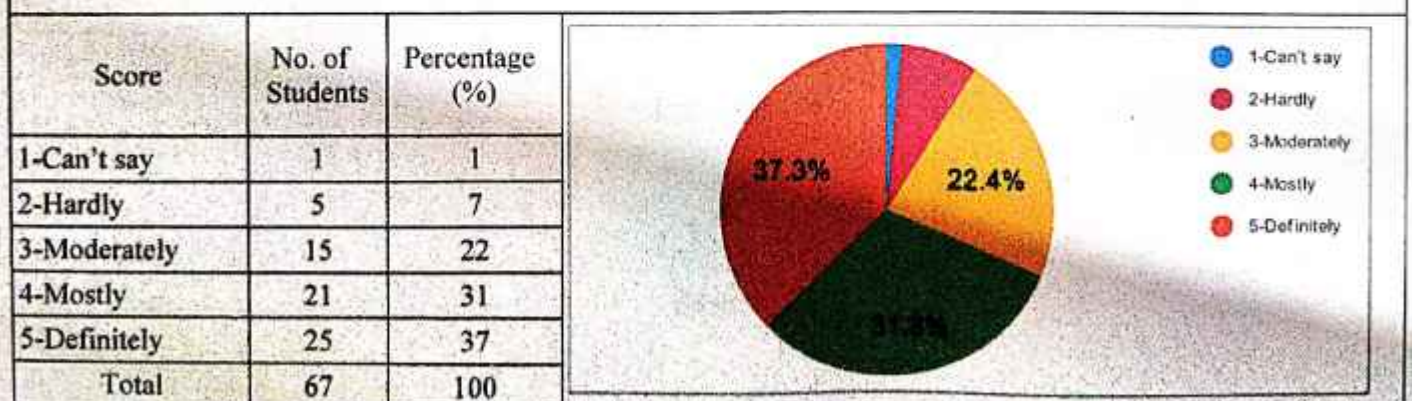
CO1: Are you able to Implement the algorithms using different approaches?



CO2: Are you able to analyze and compare the complexities of various algorithms?



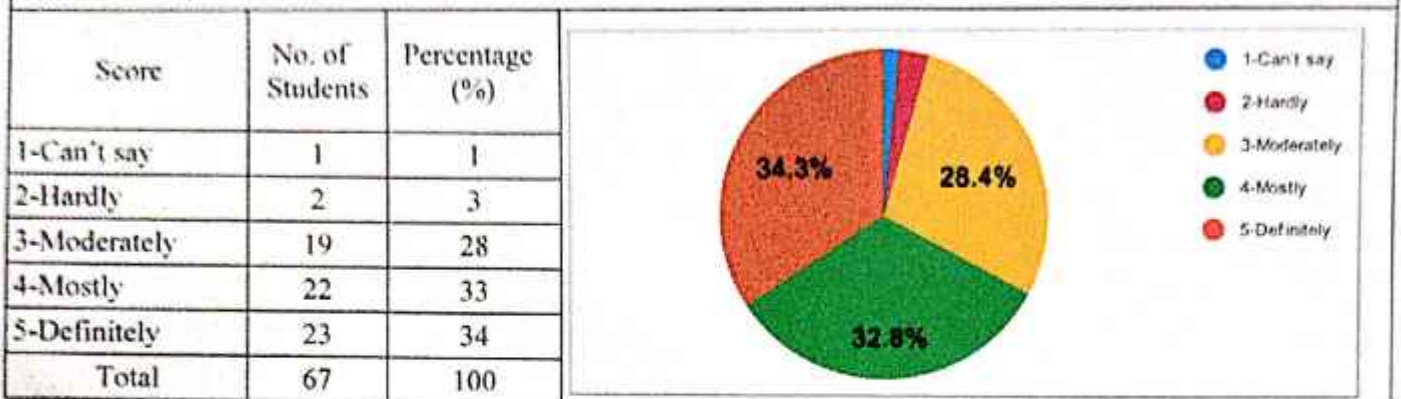
CO3: Are you able to design and implement efficient algorithms for a specified application?



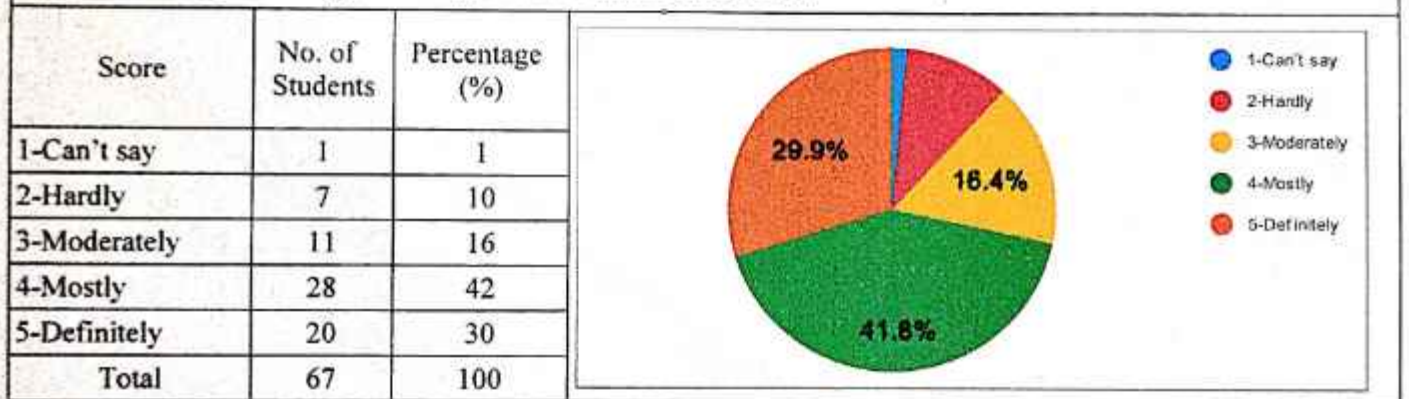
Course Exit Analysis Report (Sem - IV)

Subject- AOA Lab

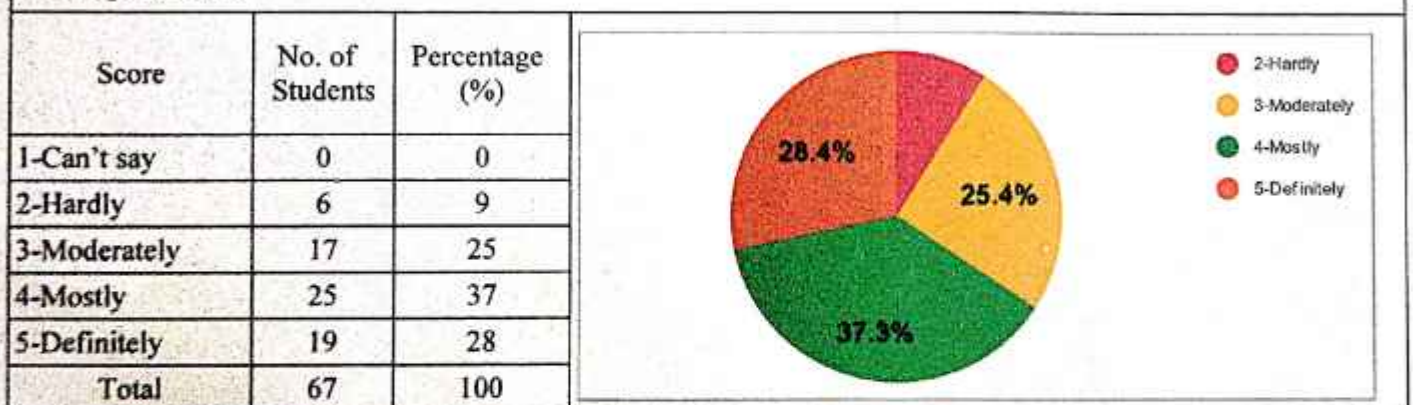
CO4: Are you able to Analyze worst-case running time of algorithms and understand fundamental algorithmic problems?



CO5: Can you able to get clear idea on algorithmic design paradigms like Divide-and-Conquer, Dynamic Programming, Greedy, Branch and Bound etc.?



CO6: Is it Strengthen the ability to identify and apply the suitable algorithm for the given real-world problem?



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HOD

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Principal



CO1: Are you able to understand the concepts of time and space complexity of an algorithm?

Score	No. of Students	Percentage (%)
1-Can't say	0	0
2-Hardly	1	1
3-Moderately	17	25
4-Mostly	28	42
5-Definitely	21	31
Total	67	100

CO2: Are you able to describe, apply and analyze the complexity of divide and conquer strategy?

Score	No. of Students	Percentage (%)
1-Can't say	0	0
2-Hardly	2	3
3-Moderately	15	22
4-Mostly	25	37
5-Definitely	25	37
Total	67	100

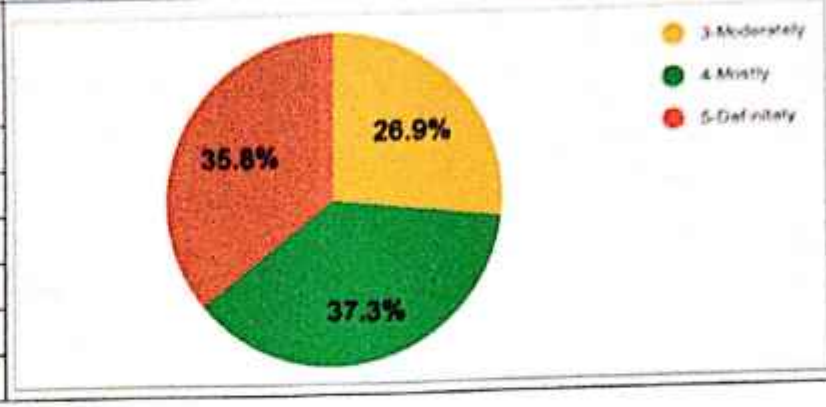
CO3: Are you able to describe, apply and analyze the complexity of greedy strategy?

Score	No. of Students	Percentage (%)
1-Can't say	0	0
2-Hardly	0	0
3-Moderately	17	25
4-Mostly	26	39
5-Definitely	24	36
Total	67	100

Course Exit Analysis Report (Sem - IV)
Subject- AOA Theory

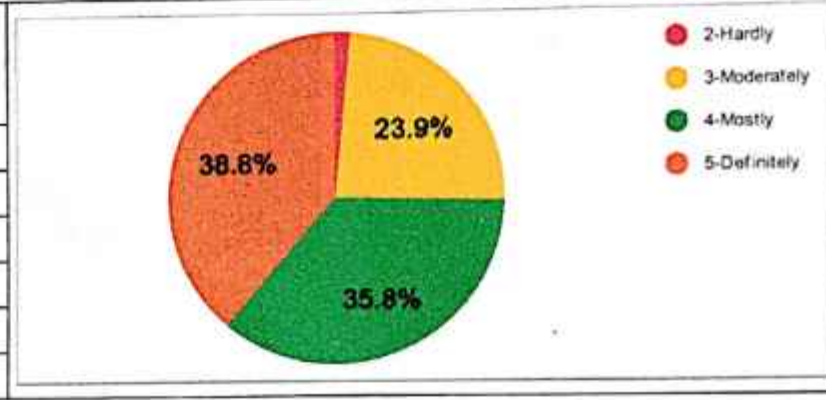
CO4: Are you able to describe, apply and analyze the complexity of dynamic programming strategy?

Score	No. of Students	Percentage (%)
1-Can't say	0	0
2-Hardly	0	0
3-Moderately	18	27
4-Mostly	25	37
5-Definitely	24	36
Total	67	100



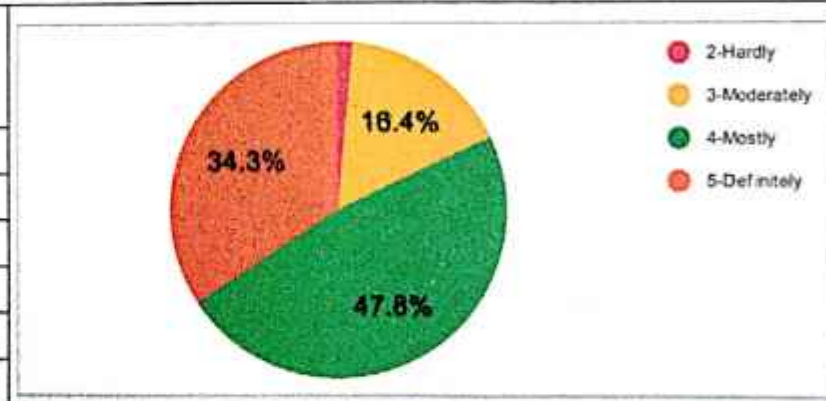
CO5: Are you able to explain and apply backtracking, branch and bound?

Score	No. of Students	Percentage (%)
1-Can't say	0	0
2-Hardly	1	1
3-Moderately	16	24
4-Mostly	24	36
5-Definitely	26	39
Total	67	100



CO6: Are you able to Understand and apply string matching techniques?

Score	No. of Students	Percentage (%)
1-Can't say	0	0
2-Hardly	1	1
3-Moderately	11	16
4-Mostly	32	48
5-Definitely	23	34
Total	67	100




Faculty


HOD


Principal



Department of COMPUTER SCIENCE AND ENGINEERING IN
DATA SCIENCE

Academic Year: 2023-2024 (EVEN SEM)

Course Exit Analysis Report (Sem IV)

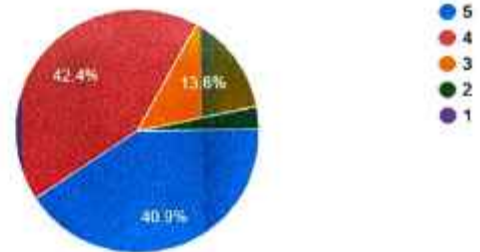
Subject: DBMS LAB

Subject In-charge: Prof. Neha Mahajan

Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	2	3
3- Moderately	9	13.6
4- Mostly	28	42.4
5- Definitely	27	40.9
Total	66	100

At the end of the course are you able to design ER/EER diagram and convert to relational model.

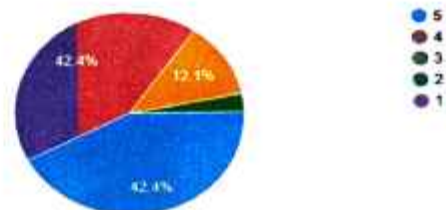
66 responses



Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	2	3
3- Moderately	8	12.1
4- Mostly	28	42.4
5- Definitely	28	42.4
Total	66	100

At the end of the course are you able to apply basic SQL DDL statements for Creating and altering TABLE.

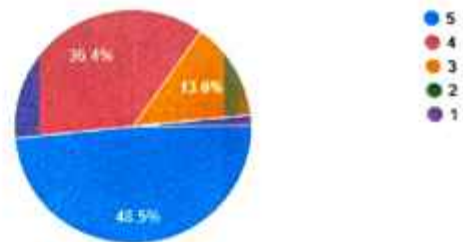
66 responses



Score	No. of Students	Percentage (%)
1- Can't Say	1	1.5
2 - Hardly	0	0
3- Moderately	9	13.6
4- Mostly	24	36.4
5- Definitely	32	48.5
Total	66	100

At the end of the course are you able to display and manage data from multiple tables and use SQL aggregate function .

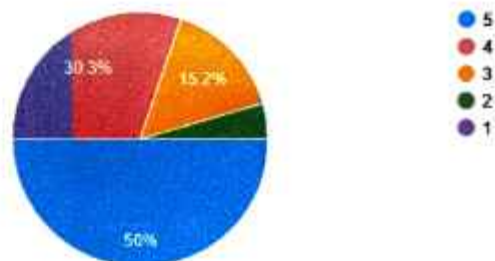
66 responses



Score	No. of Students	Percentage (%)
1- Can't Say	1	0
2 - Hardly	3	4.5
3- Moderately	10	15.2
4- Mostly	20	30.3
5- Definitely	33	50
Total	66	100

At the end of the course are you able to write and execute simple and nested queries using DML.

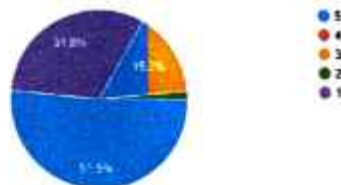
66 responses



Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	1	1.5
3- Moderately	10	15.2
4- Mostly	21	31.8
5- Definitely	34	51.5
Total	66	100

At the end of the course are you able to write and execute SQL statements for creating views, triggers, functions and procedures etc.

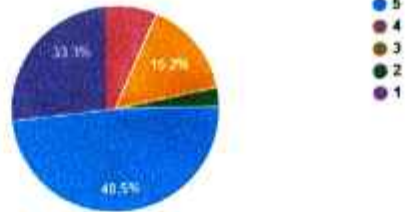
66 responses



Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	2	3
3- Moderately	10	15.2
4- Mostly	22	33.3
5- Definitely	32	48.5
Total	66	100

At the end of the course are you able to understand and implement the concept of Transaction control through TCL (grant, revoke) and DCL (savepoint, rollback, commit) commands. *

66 responses



Meh
Faculty

RCL
H.O.D (CSE-DS)

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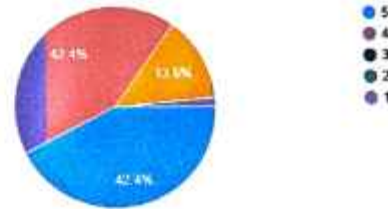
Subject: DBMS

Subject In-charge: Prof. Neha Mahajan

Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	1	1.5
3- Moderately	9	13.6
4- Mostly	28	42.4
5- Definitely	28	42.4
Total	66	100

At the end of the course are you able to understand the basics of core components and architecture of DBMS

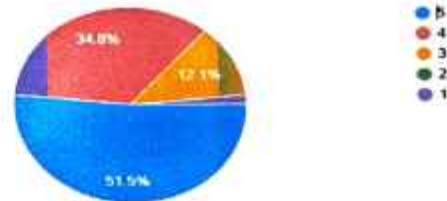
66 responses



Score	No. of Students	Percentage (%)
1- Can't Say	1	1.5
2 - Hardly	0	0
3- Moderately	8	12.1
4- Mostly	23	34.8
5- Definitely	34	51.5
Total	66	100

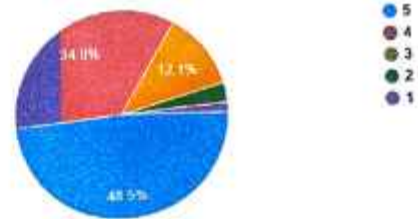
At the end of the course are you able to understand the design of database schema and ER model.

66 responses



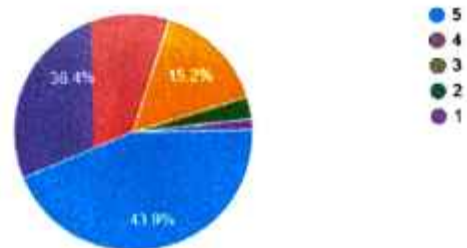
Score	No. of Students	Percentage (%)
1- Can't Say	1	1.5
2 - Hardly	2	3
3- Moderately	8	12.1
4- Mostly	23	34.8
5- Definitely	32	48.5
Total	66	100

At the end of the course are you able to understand the concept of different keys, constraints
66 responses



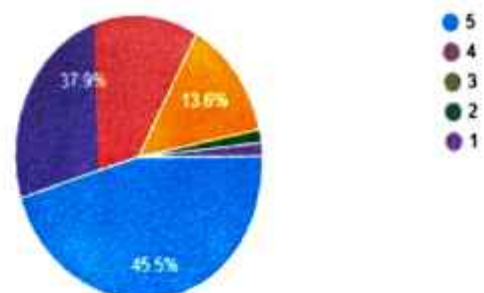
Score	No. of Students	Percentage (%)
1- Can't Say	1	1.5
2 - Hardly	2	3
3- Moderately	10	15.2
4- Mostly	24	36.4
5- Definitely	29	43.9
Total	66	100

At the end of the course are you able to understand characteristics of SQL, Operators and different types of SQL commands?
66 responses



Score	No. of Students	Percentage (%)
1- Can't Say	1	1.5
2 - Hardly	1	1.5
3- Moderately	9	13.6
4- Mostly	25	37.9
5- Definitely	30	45.5
Total	66	100

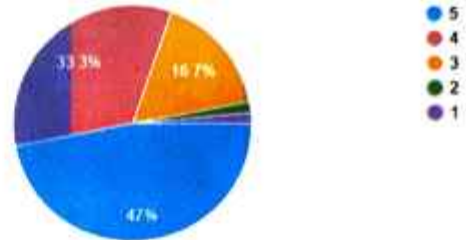
At the end of the course are you able to understand different forms of Normalization
66 responses



Score	No. of Students	Percentage (%)
1- Can't Say	1	1.5
2 - Hardly	1	1.5
3- Moderately	11	16.7
4- Mostly	22	33.3
5- Definitely	31	47
Total	66	100

At the end of the course are you able to understand the transaction ACID properties, serializability and deadlock ? *

66 responses



[Handwritten Signature]
Faculty

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H.O.D (CSE-DS)

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Academic Year 2023-24 (EVEN SEM)

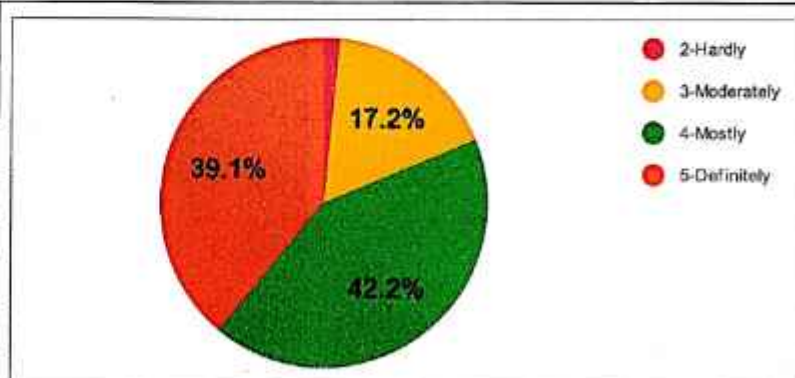
Course Exit Analysis Report (Sem - IV)

Subject- Engineering Mathematics IV

Subject Incharge- Prof. Shubhangi Kadam

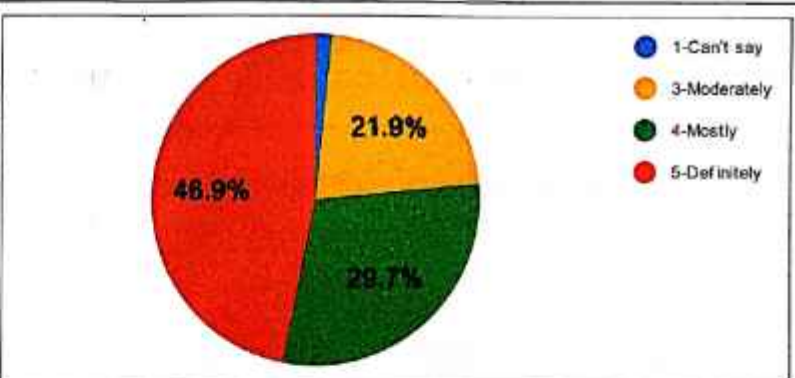
CO1- Apply the concepts of eigenvalues and eigenvectors in engineering problems.

Score	No. of Students	Percentage (%)
1-Can't say	0	0
2-Hardly	1	2
3-Moderately	11	17
4-Mostly	27	42
5-Definitely	25	39
Total	64	100



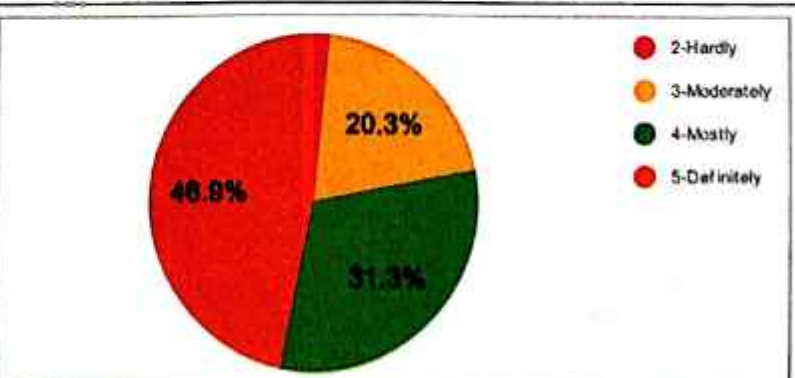
CO2- Use the concepts of Complex Integration for evaluating integrals, computing residues & evaluate various contour integrals.

Score	No. of Students	Percentage (%)
1-Can't say	1	2
2-Hardly	0	0
3-Moderately	14	22
4-Mostly	19	30
5-Definitely	30	47
Total	64	100



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

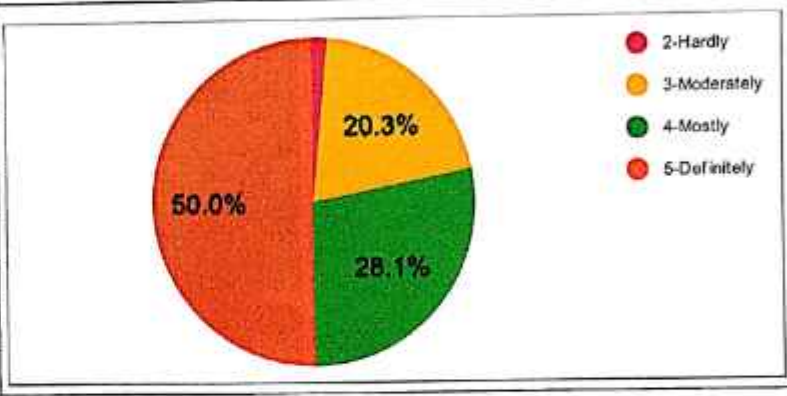
Score	No. of Students	Percentage (%)
1-Can't say	0	0
2-Hardly	1	2
3-Moderately	13	20
4-Mostly	20	31
5-Definitely	30	47
Total	64	100



Course Exit Analysis Report (Sem - IV)
Subject- Engineering Mathematics IV

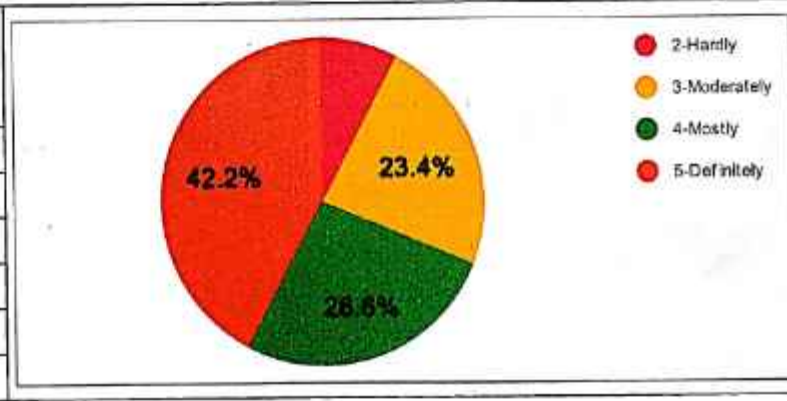
CO4- Use the concept of probability distribution and sampling theory to engineering problems.

Score	No. of Students	Percentage (%)
1-Can't say	0	0
2-Hardly	1	2
3-Moderately	13	20
4-Mostly	18	28
5-Definitely	32	50
Total	64	100



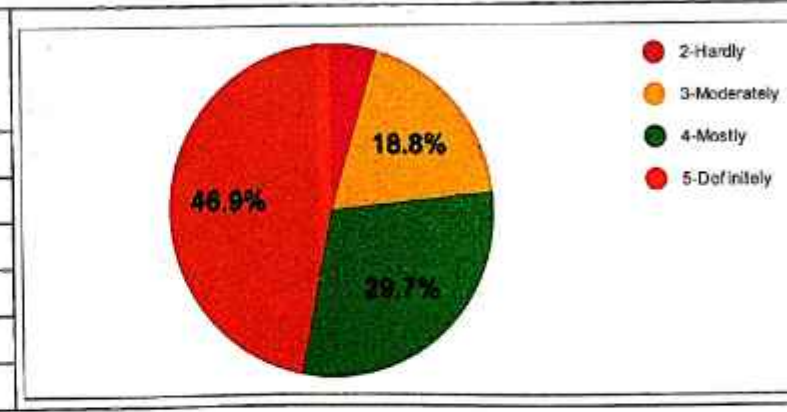
CO5- Apply the concept of Linear Programming Problems to optimization.

Score	No. of Students	Percentage (%)
1-Can't say	0	0
2-Hardly	5	8
3-Moderately	15	23
4-Mostly	17	27
5-Definitely	27	42
Total	64	100



CO6- Solve Non-Linear Programming Problems for optimization of engineering problems.

Score	No. of Students	Percentage (%)
1-Can't say	0	0
2-Hardly	3	5
3-Moderately	12	19
4-Mostly	19	30
5-Definitely	30	47
Total	64	100



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Faculty

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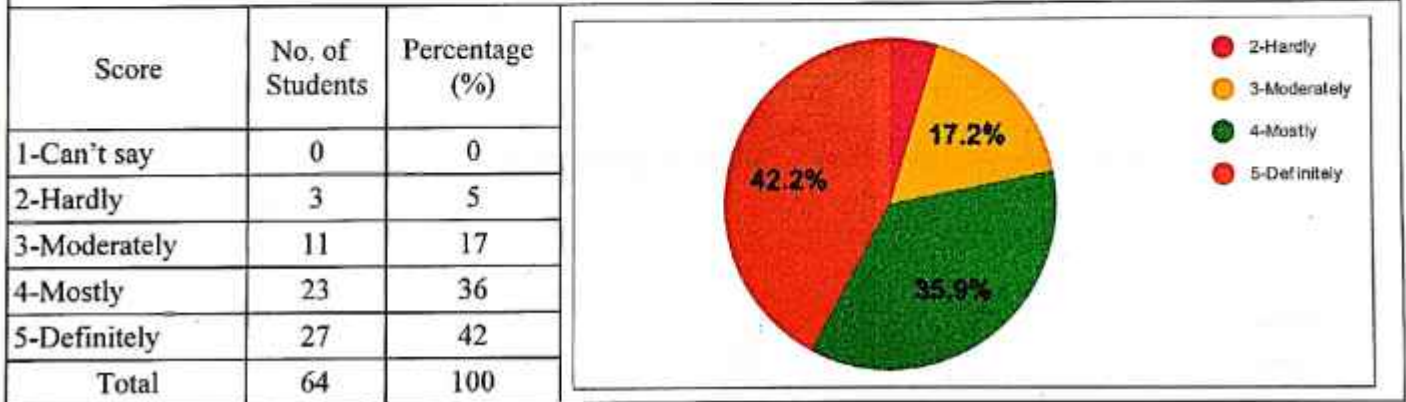
Academic Year 2023-24 (EVEN SEM)

Course Exit Analysis Report (Sem - IV)

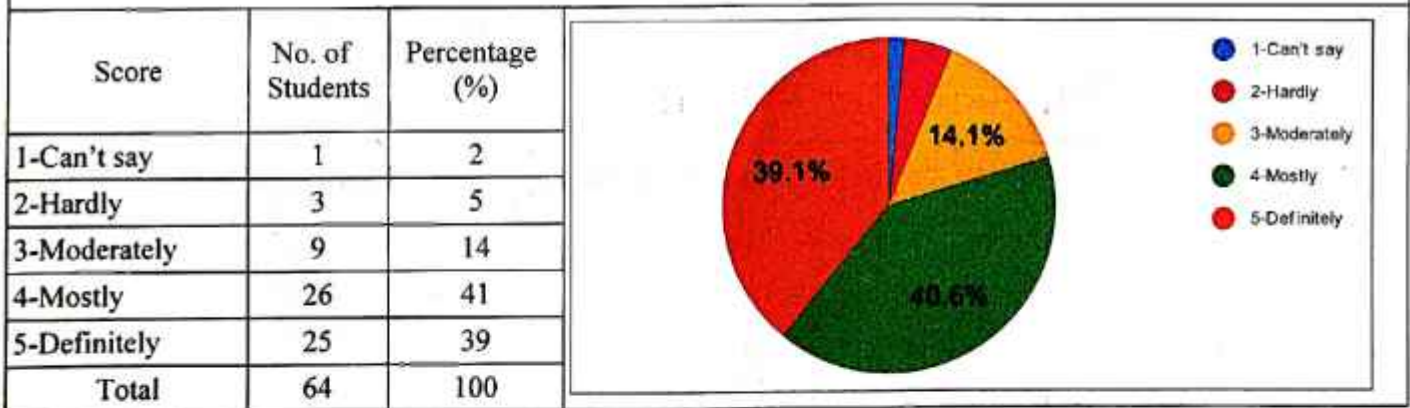
Subject- MINIPROJECT 1B

Subject Incharge - Prof. Gayatri Dharap

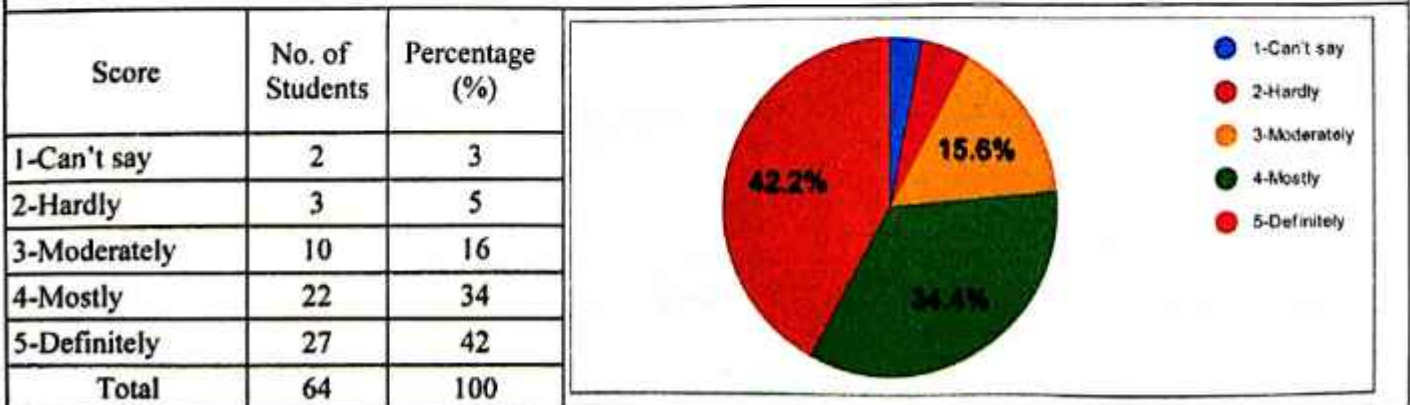
CO1: Are you able to Identify problems based on societal /research needs.



CO2: Can you apply Knowledge and skill to solve societal problems in a group?



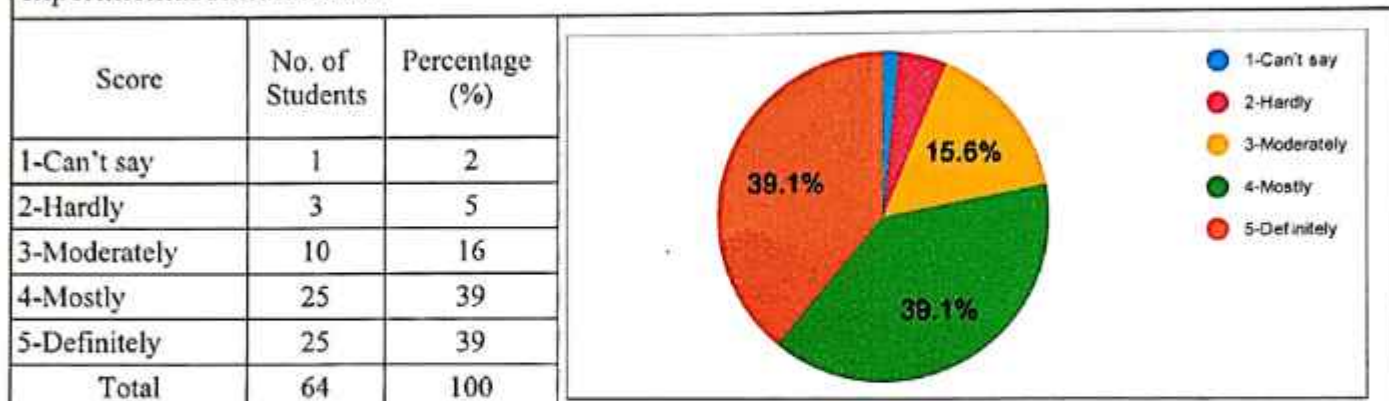
CO3: Are you able to develop interpersonal skills to work as member of a group or leader.?



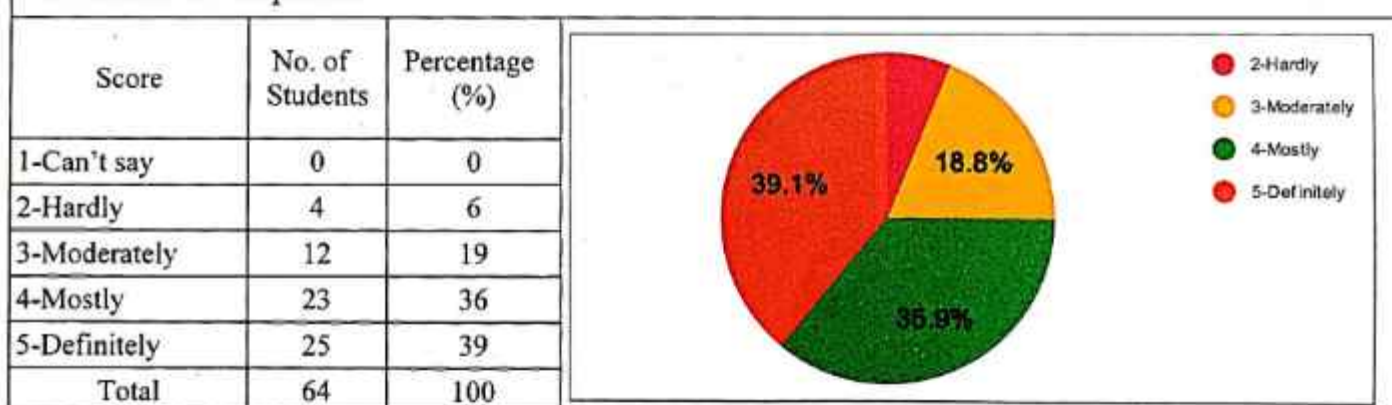
Course Exit Analysis Report (Sem - IV)

Subject- MINIPROJECT 1B

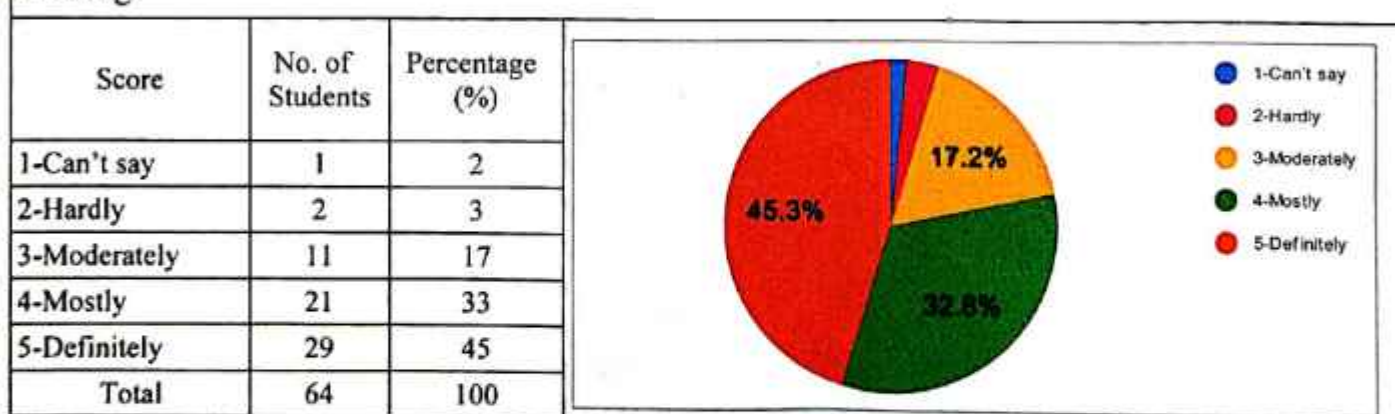
CO4: Are you able draw the proper inferences from available results through theoretical/experimental/simulations.?



CO5: Can you analyze the impact of solutions in societal and environmental context for sustainable development?



CO6: Are you able to Demonstrate capabilities of self-learning in a group, which leads to lifelong learning?



Hayalin
Faculty

RCK
HOD

UJ
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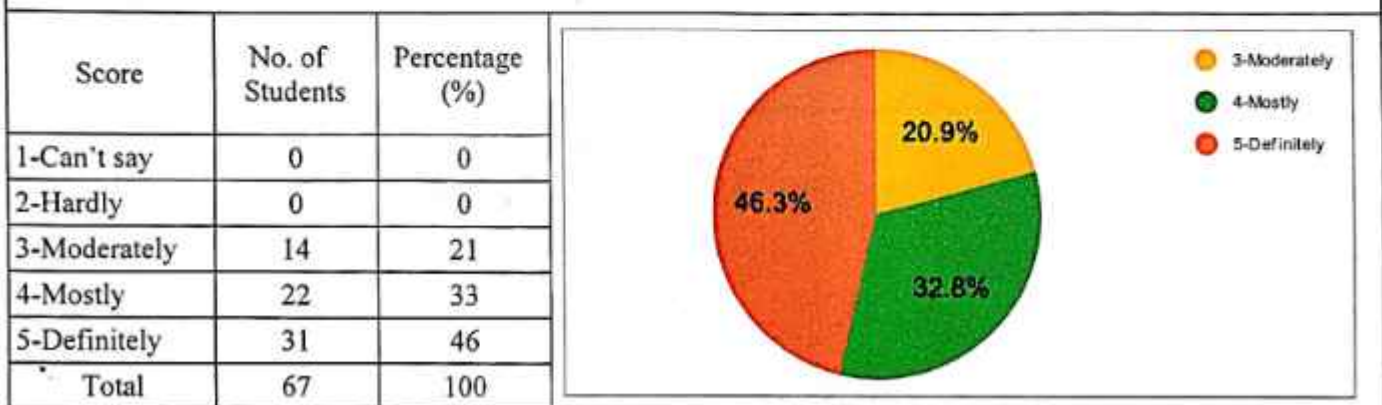
Academic Year 2023-24 (EVEN SEM)

Course Exit Analysis Report (Sem - VIII)

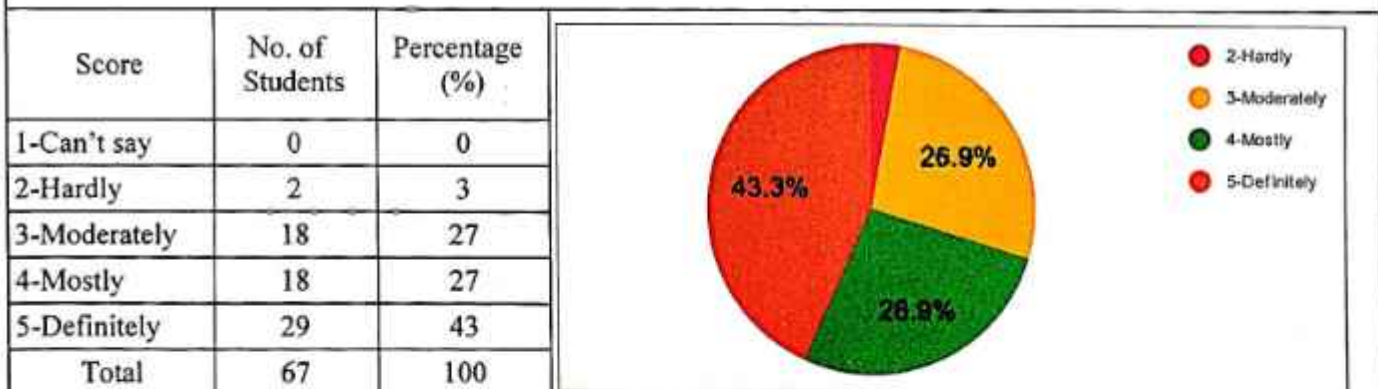
Subject- MP Lab

Subject Incharge- Prof. Sarita Kale

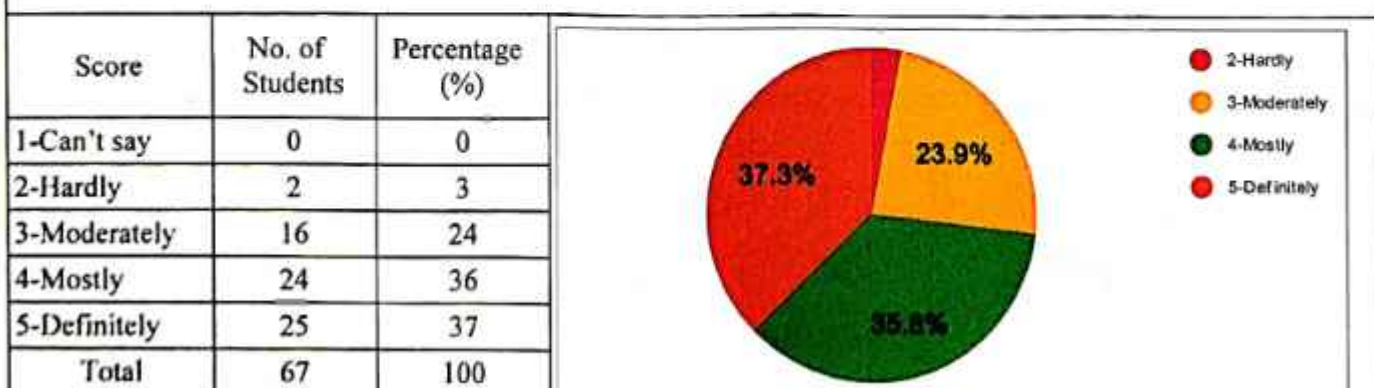
C01. Use appropriate instructions to program microprocessor to perform various arithmetic functions .



C02. Develop the program to display string in assembly language using INT 21 H



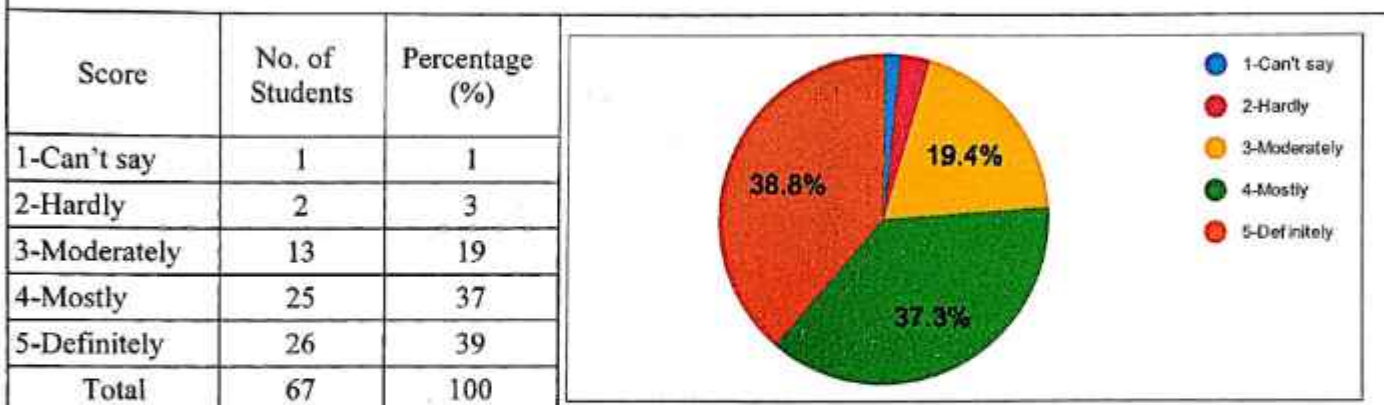
C03. Demonstrate the execution and debugging of assembly/mixed language program..



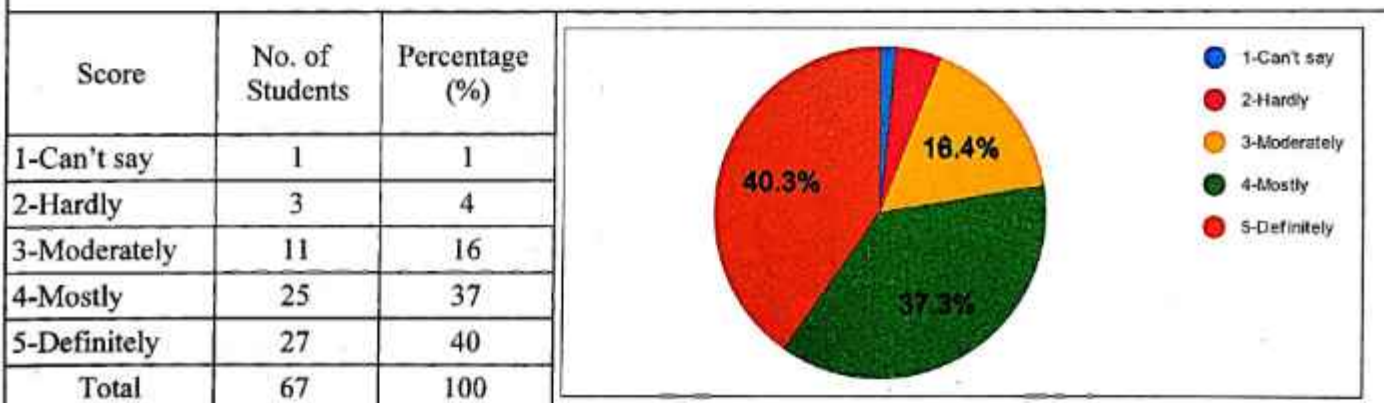
Course Exit Analysis Report (Sem - VIII)

Subject- MP Lab

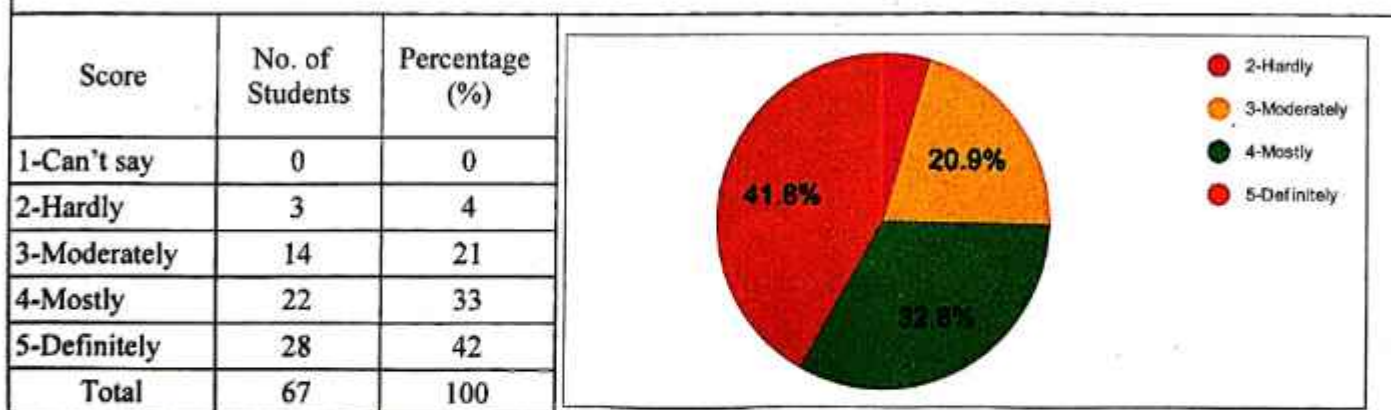
C04. Develop the assembly language program to draw square using INT 10h.



C05. Develop the assembly language program using Procedure and Macro.



C06. Develop the program for interfacing of Stepper motor .



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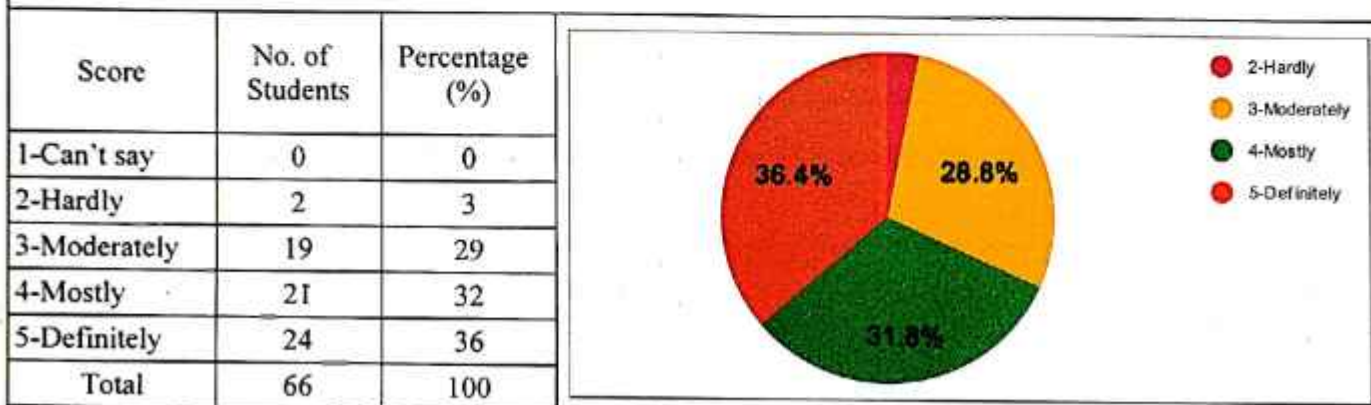
Academic Year 2023-24 (EVEN SEM)

Course Exit Analysis Report (Sem - VIII)

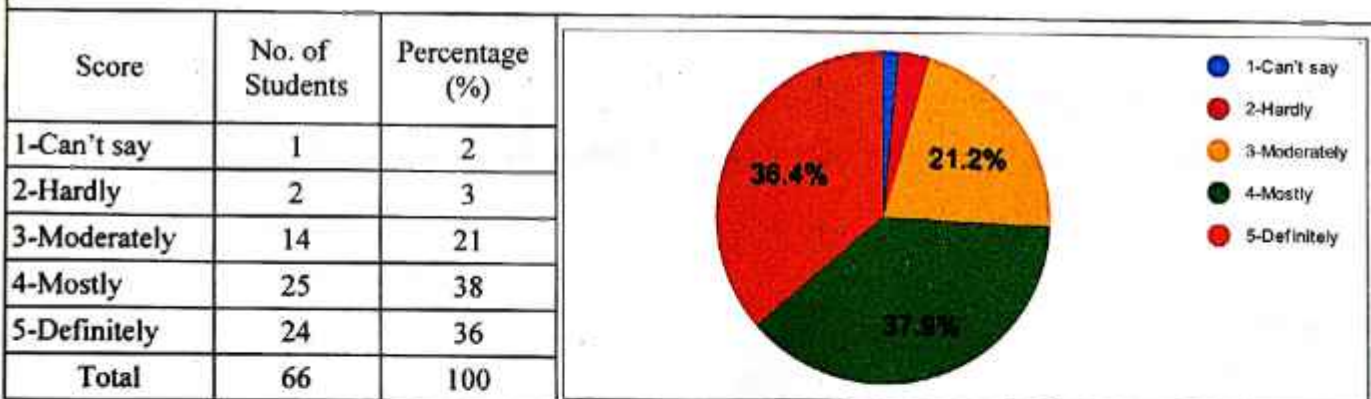
Subject- MP Theory

Subject Incharge- Prof. Sarita Kale

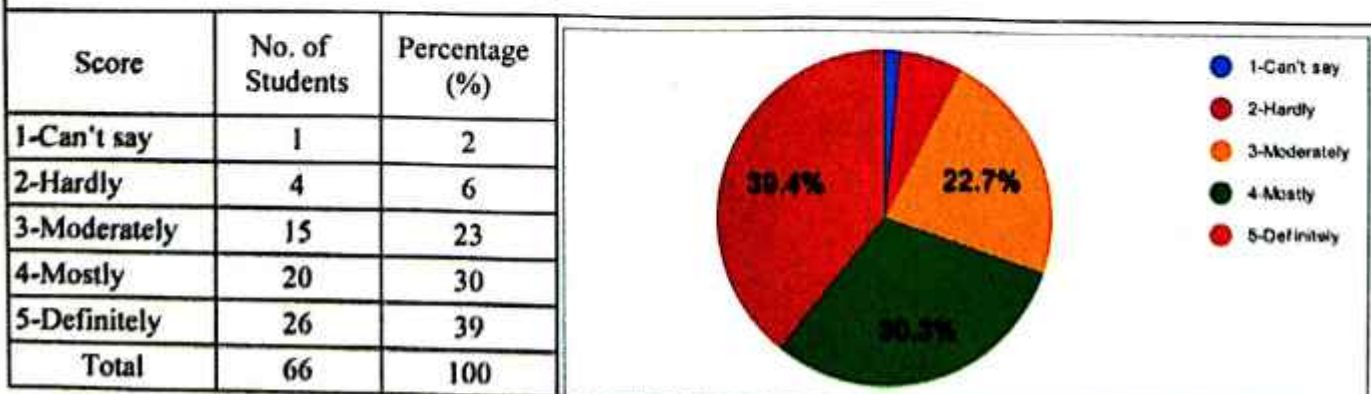
C01. Understand basic engineering fundamentals to describe the architecture of 8086 processor .



C02. Apply the instructions of 8086 to implement the assembly language program .Analyse and interpret the result of ALP using integrated tool.



C03. Able to refine architecture design into detailed design using processor, memory chip or different peripheral ICs within existing constraints ..

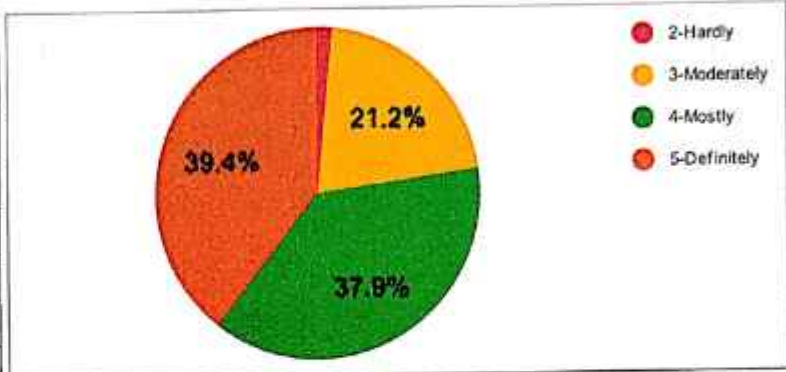


Course Exit Analysis Report (Sem - VIII)

Subject- MP Theory

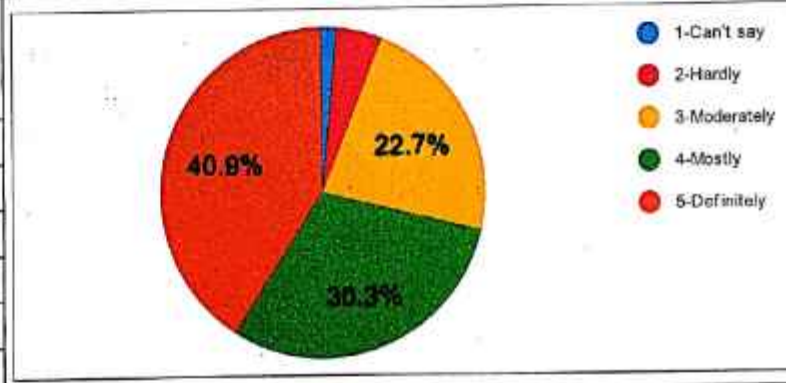
C04. Explore and synthesize 80386 system requirements from larger social and professional concerns

Score	No. of Students	Percentage (%)
1-Can't say	0	0
2-Hardly	1	2
3-Moderately	14	21
4-Mostly	25	38
5-Definitely	26	39
Total	66	100



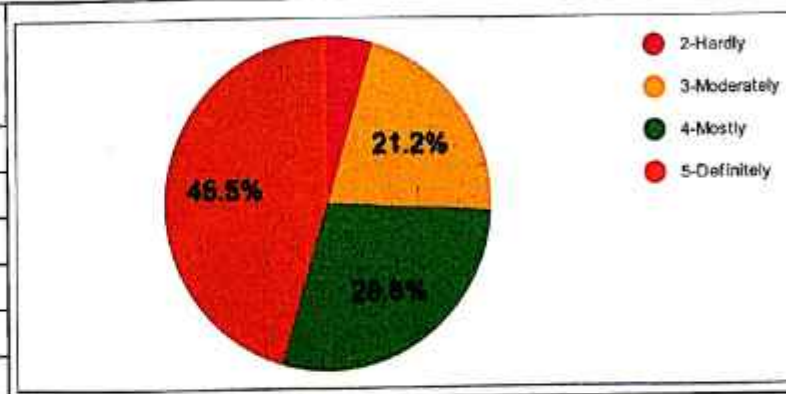
C05. Able to perform systematic evaluation of degree of microprocessor from 8086 to Pentium to which several design concepts meet the criteria. .

Score	No. of Students	Percentage (%)
1-Can't say	1	2
2-Hardly	3	5
3-Moderately	15	23
4-Mostly	20	30
5-Definitely	27	41
Total	66	100



C06 . Apply basic engineering fundamentals to describe the hyper threading technology in higher processors .

Score	No. of Students	Percentage (%)
1-Can't say	0	0
2-Hardly	3	5
3-Moderately	14	21
4-Mostly	19	29
5-Definitely	30	45
Total	66	100



[Signature]
Faculty

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HOD

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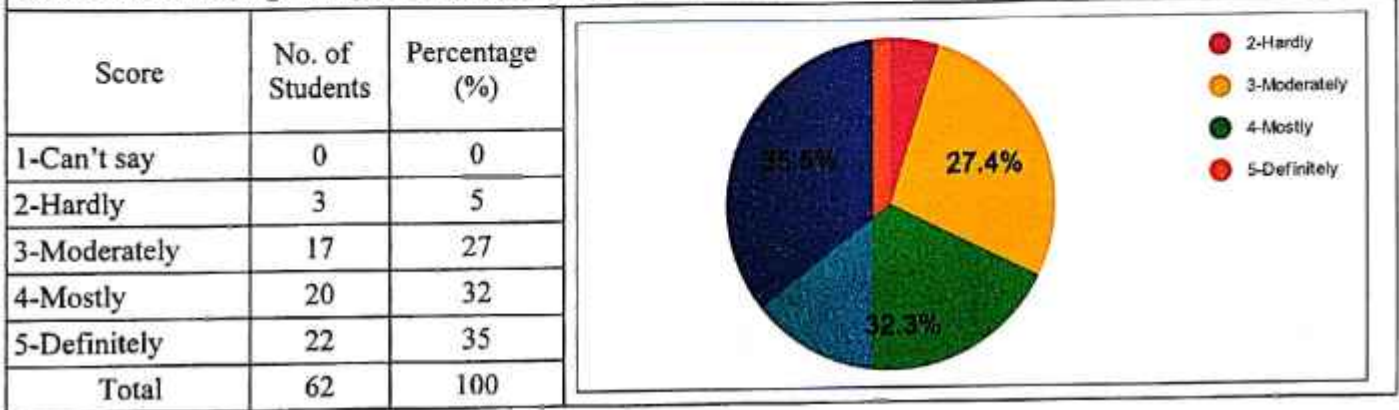
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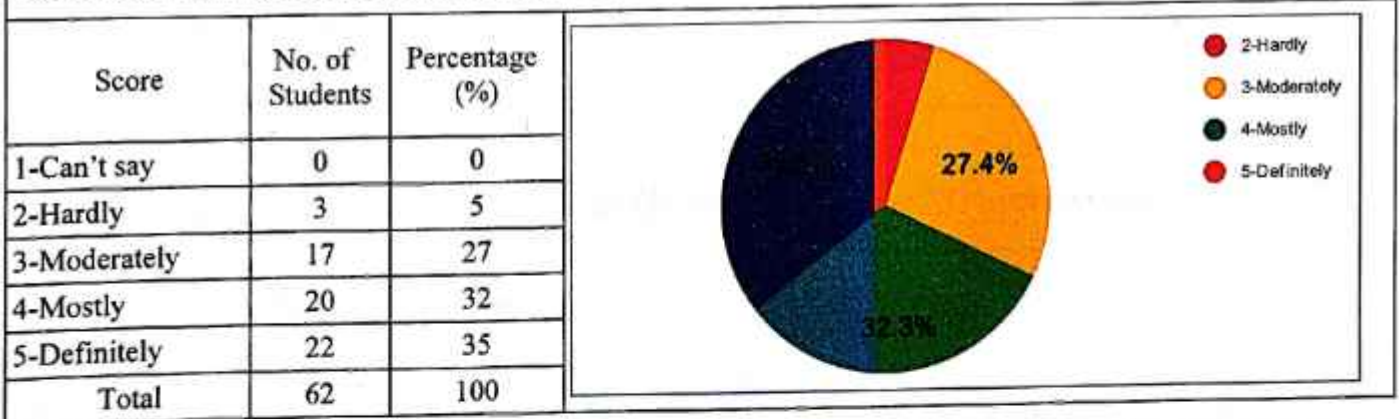
Subject- OS Lab

Subject Incharge- Prof. Sonali Ramteke

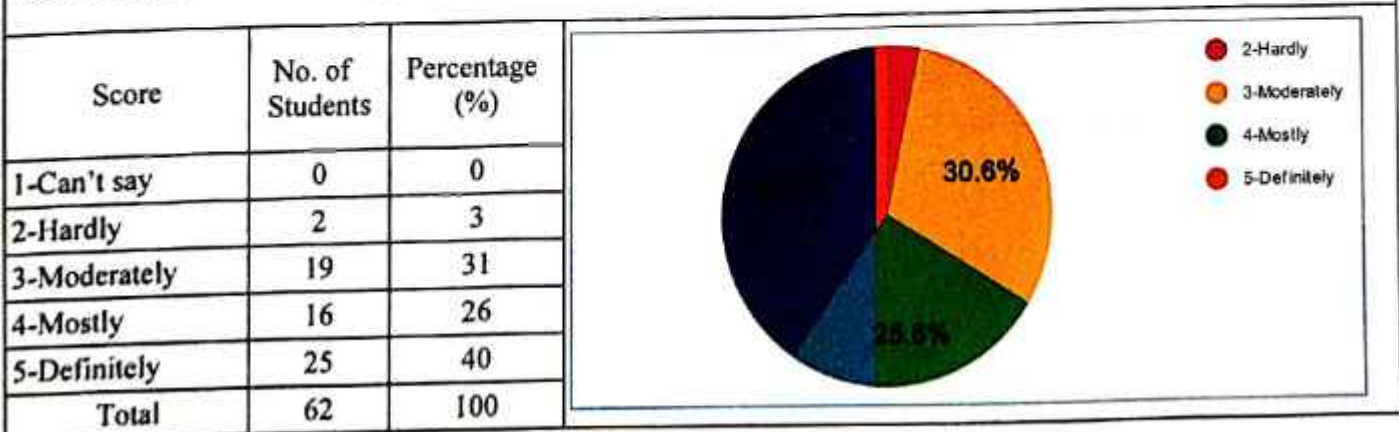
CO1: To gain practical experience with designing and implementing concept of OS such as system calls, CPU scheduling, process management, memory management, file system and Deadlock handling using C language in LINUX environment.



CO2: To familiarize a students with the architecture of Linux OS.



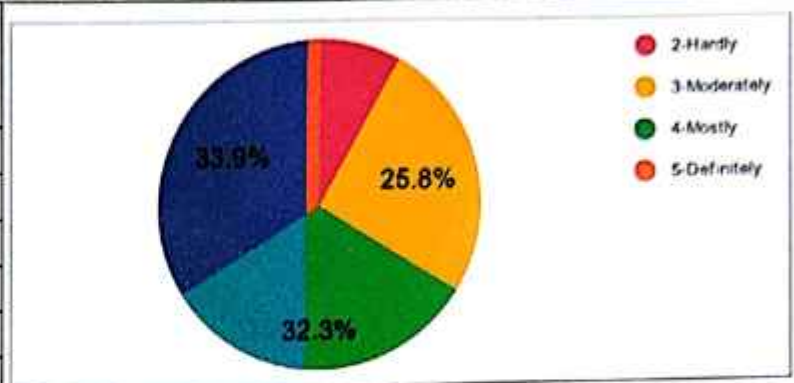
CO3: To provide necessary skills for development and debugging programs in Linux environment.



Course Exit Analysis Report (Sem - IV)
Subject- OS Lab

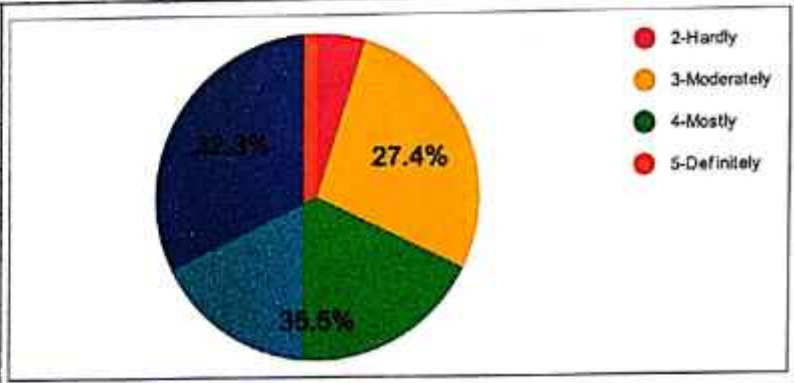
CO4: To learn programmatically to implement simple operation system mechanism.

Score	No. of Students	Percentage (%)
1-Can't say	0	0
2-Hardly	5	8
3-Moderately	16	26
4-Mostly	20	32
5-Definitely	21	34
Total	62	100



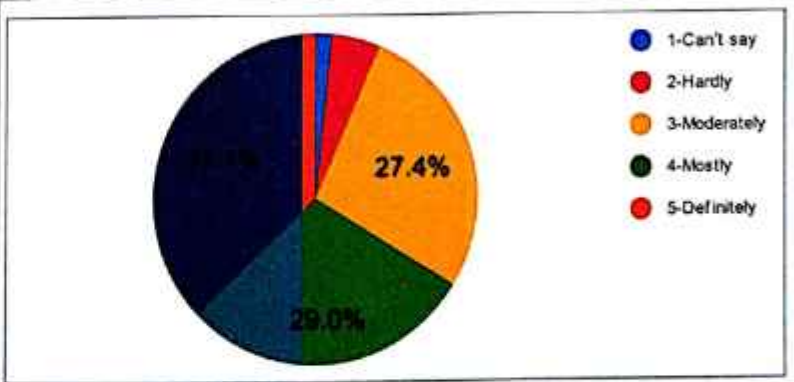
CO5: Implement and analyze concepts of Virtual memory.

Score	No. of Students	Percentage (%)
1-Can't say	0	0
2-Hardly	3	5
3-Moderately	17	27
4-Mostly	22	35
5-Definitely	20	32
Total	62	100



CO6: Demonstrate and analyze concepts of file management and I/O management techniques.

Score	No. of Students	Percentage (%)
1-Can't say	1	2
2-Hardly	3	5
3-Moderately	17	27
4-Mostly	18	29
5-Definitely	23	37
Total	62	100



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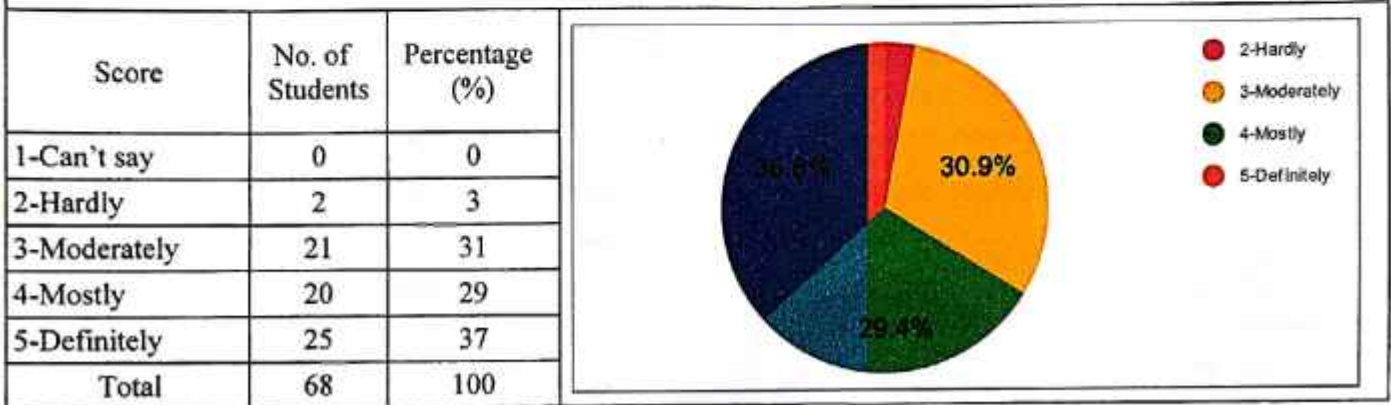
Academic Year 2023-24 (EVEN SEM)

Course Exit Analysis Report (Sem - IV)

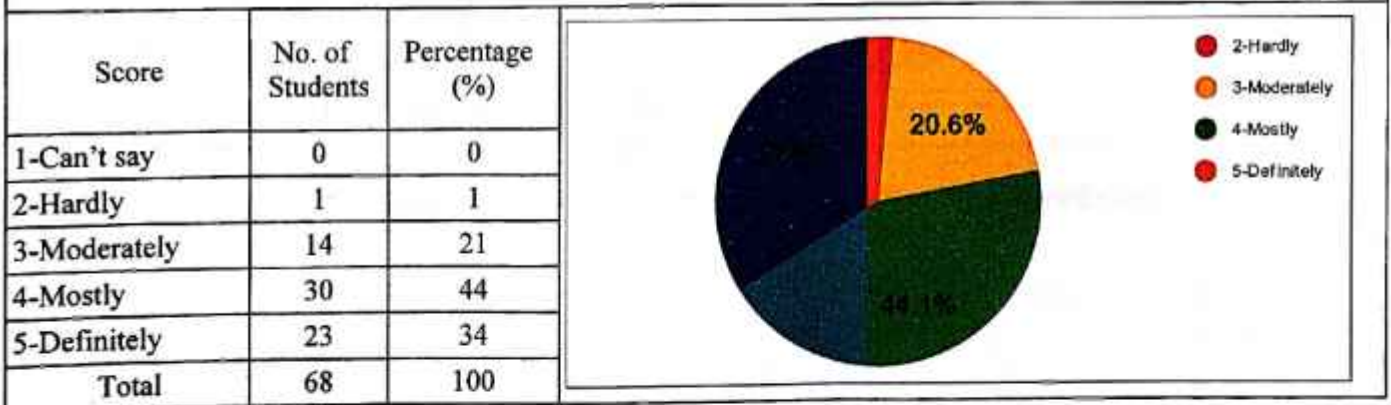
Subject- OS Theory

Subject Incharge- Prof. Sonali Ramteke

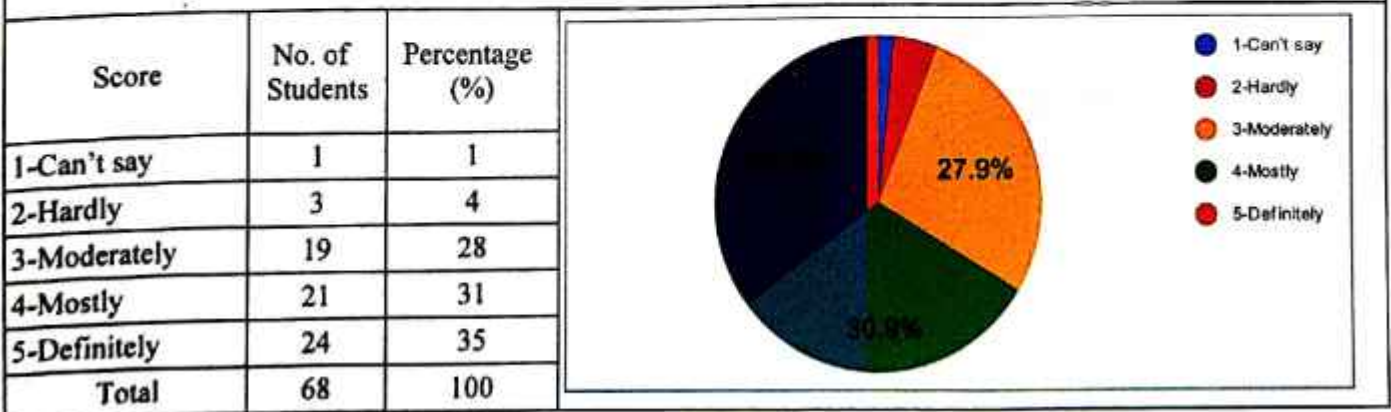
CO1: To introduce basic concept and functions of operating system..



CO2: To understand the concept of process, threads and resources management..

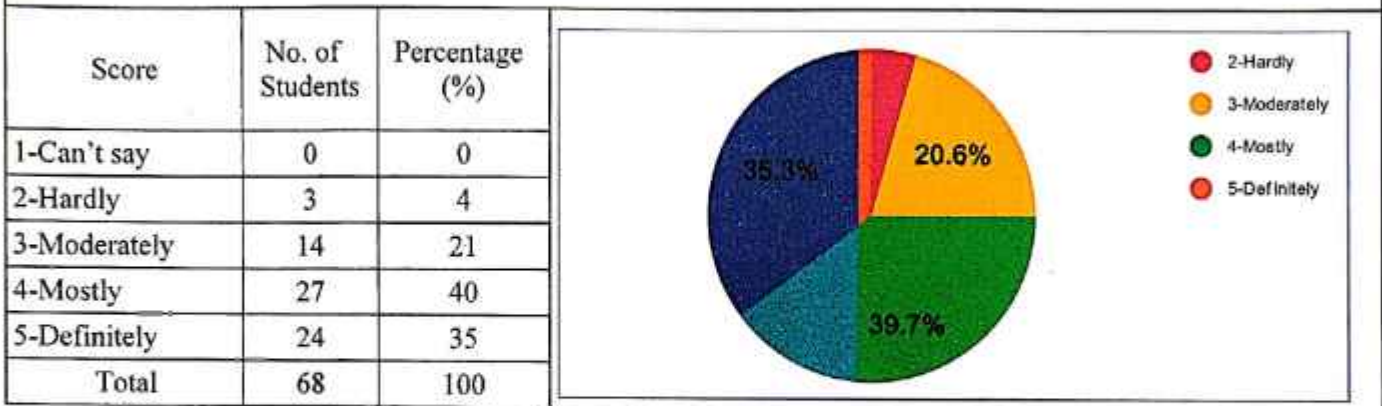


CO3: To understand the concept of process synchronization and deadlock.

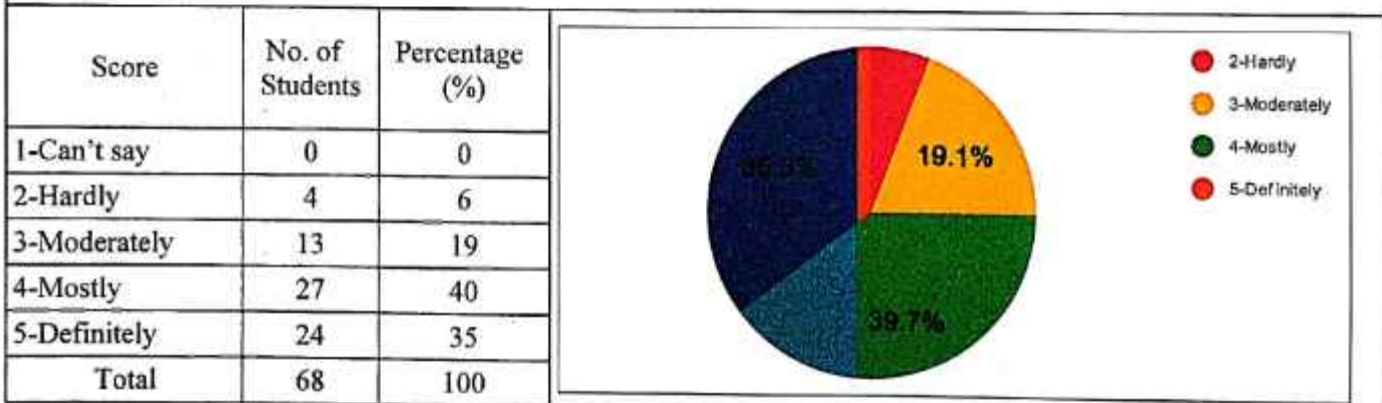


Course Exit Analysis Report (Sem - IV)
Subject- OS Theory

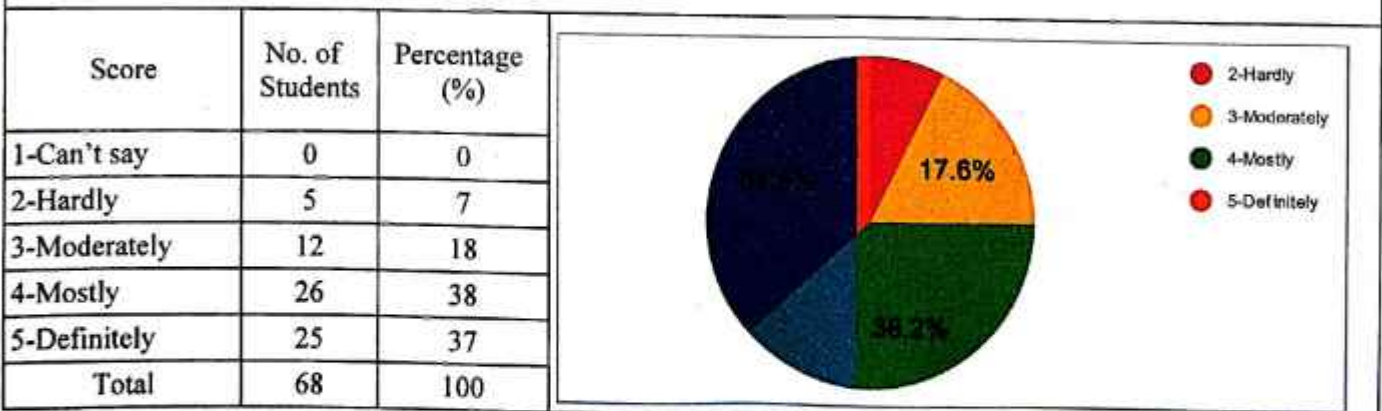
CO4: To understand various memory, I/O and file management.



CO5: Evaluate performance of Memory allocation and replacement policies.



CO6: Apply concept of I/O management and analysis techniques of disk scheduling .



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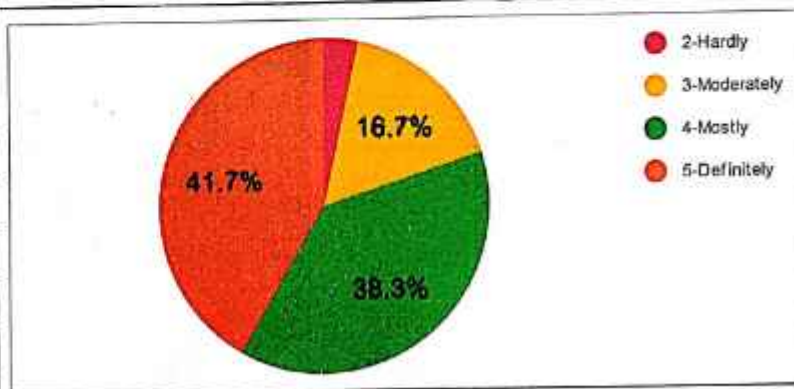
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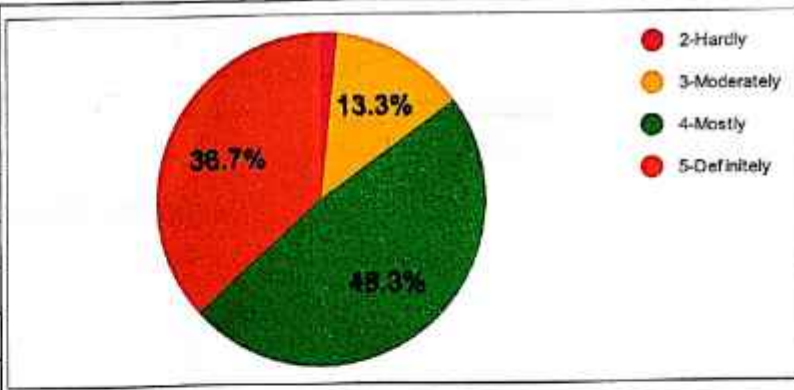
CO1: Do you understand Basics of Python programming?

Score	No. of Students	Percentage (%)
1-Can't say	0	0
2-Hardly	2	3
3-Moderately	10	17
4-Mostly	23	38
5-Definitely	25	42
Total	60	100



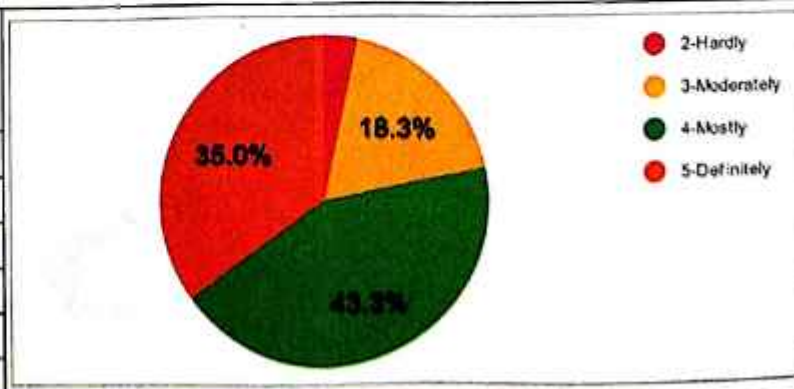
CO2: Are you able to explore contents of files, directories and text processing with python?

Score	No. of Students	Percentage (%)
1-Can't say	0	0
2-Hardly	1	2
3-Moderately	8	13
4-Mostly	29	48
5-Definitely	22	37
Total	60	100



CO3: Are you able to perform Object Oriented Programming using Python?

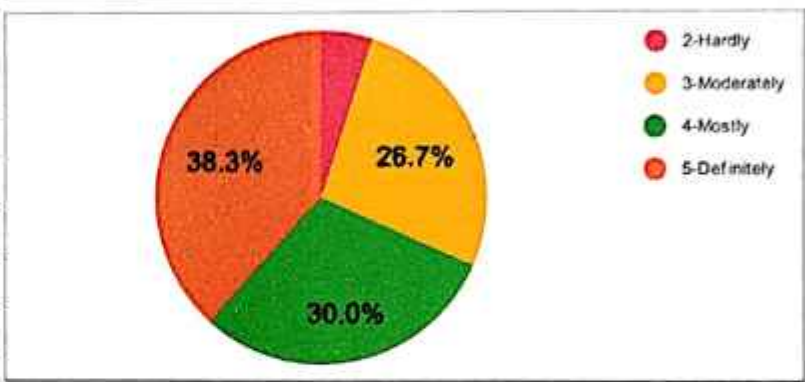
Score	No. of Students	Percentage (%)
1-Can't say	0	0
2-Hardly	2	3
3-Moderately	11	18
4-Mostly	26	43
5-Definitely	21	35
Total	60	100



Course Exit Analysis Report (Sem - IV)
Subject- Python Programming

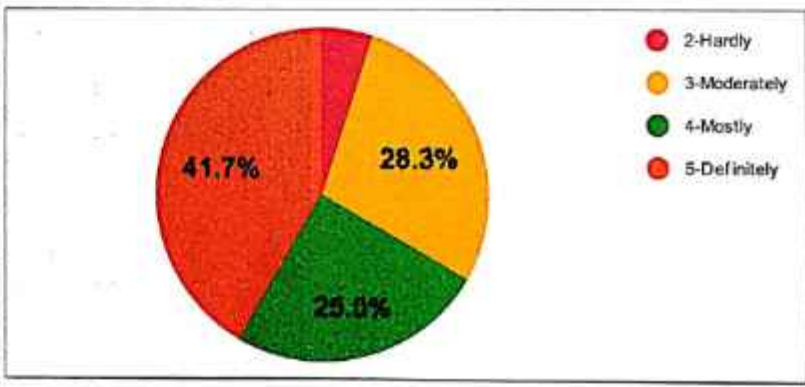
CO4: Are you able to develop program for data structure using built in functions in Python?

Score	No. of Students	Percentage (%)
1-Can't say	0	0
2-Hardly	3	5
3-Moderately	16	27
4-Mostly	18	30
5-Definitely	23	38
Total	60	100



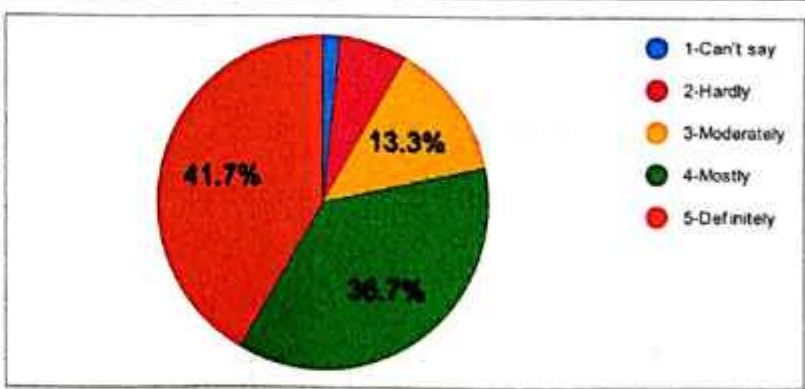
CO5: Are you able to understand Multithreading concepts using python?

Score	No. of Students	Percentage (%)
1-Can't say	0	0
2-Hardly	3	5
3-Moderately	17	28
4-Mostly	15	25
5-Definitely	25	42
Total	60	100



CO6: Are you able to Apply Numpy and pandas techniques?

Score	No. of Students	Percentage (%)
1-Can't say	1	2
2-Hardly	4	7
3-Moderately	8	13
4-Mostly	22	37
5-Definitely	25	42
Total	60	100



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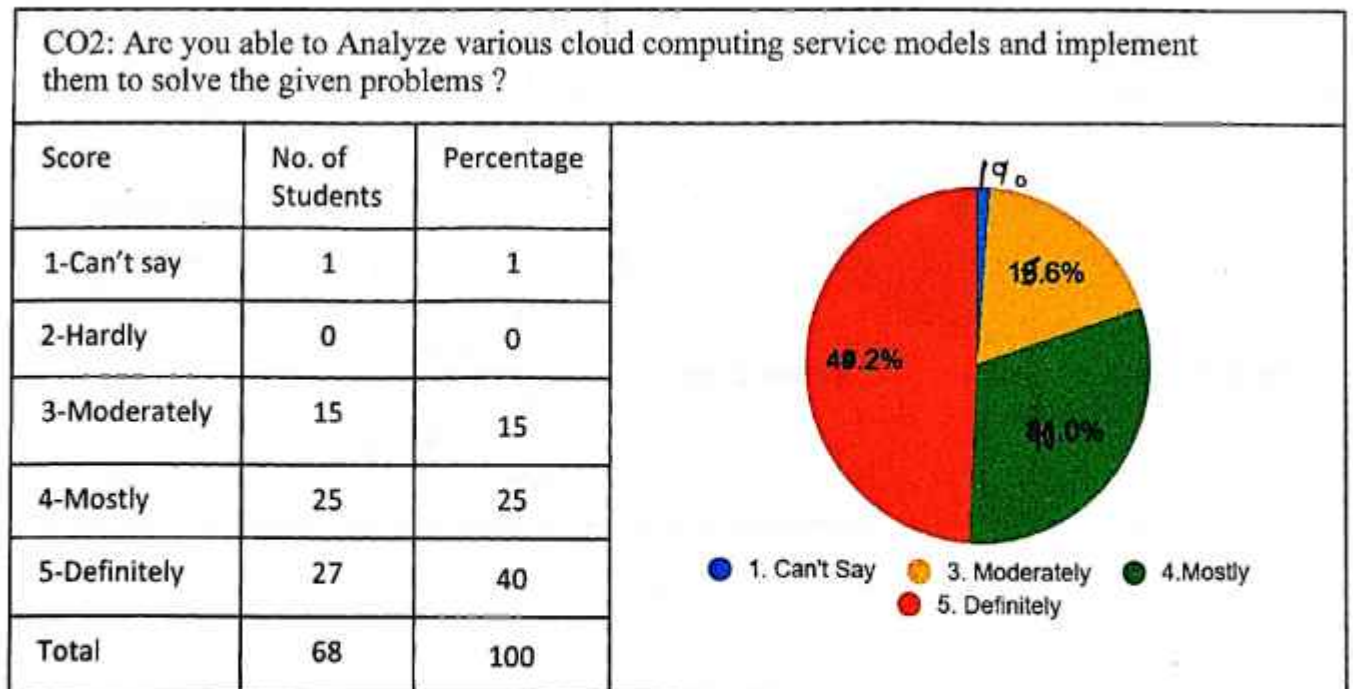
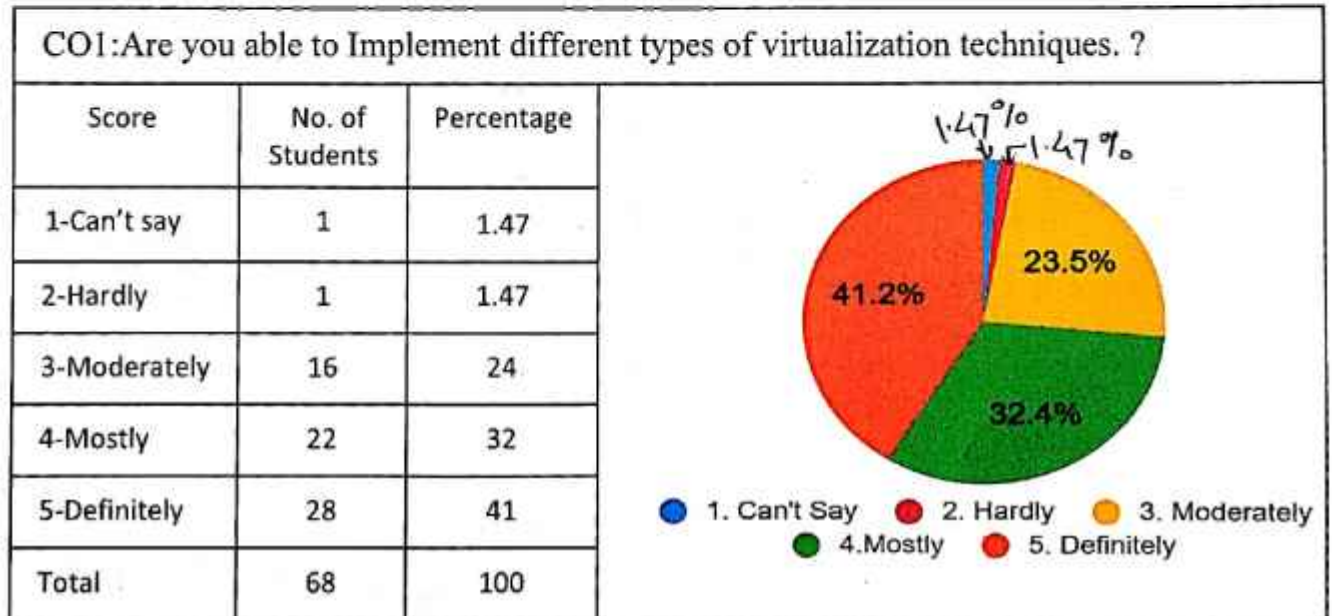
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ACADEMIC YEAR 2023-24

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING IN DATA
 SCIENCE Course Exit Analysis Report (SEM VI)

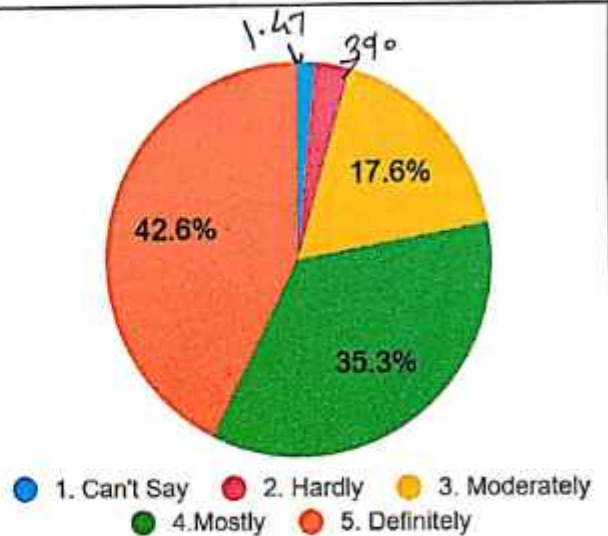
Course - Cloud Computing Lab (Lab)

Course In charge - Prof. Jayshri Bankar



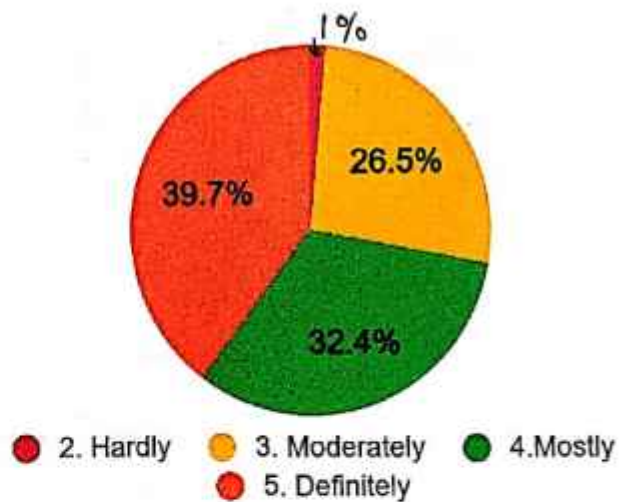
CO3: Are you able to Design and develop real world web applications and deploy them on commercial cloud(s) ?

Score	No. of Students	Percentage
1-Can't say	1	1.47
2-Hardly	2	3
3-Moderately	12	18
4-Mostly	24	35
5-Definitely	29	43
Total	68	100



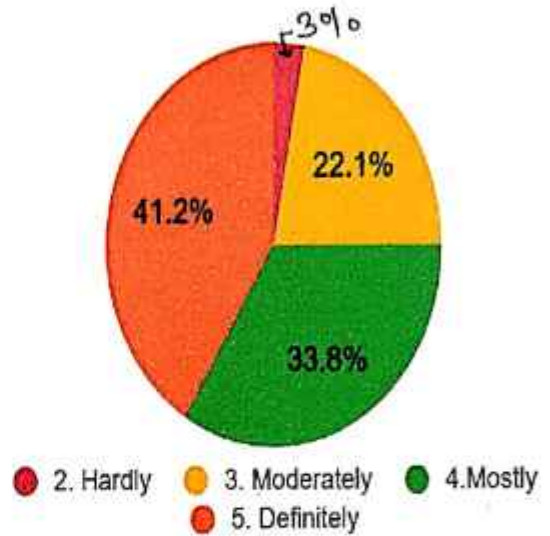
CO4: Are you able to Explain major security issues in the cloud and mechanisms to address them ?

Score	No. of Students	Percentage
1-Can't say	0	0
2-Hardly	1	1
3-Moderately	18	26
4-Mostly	22	32
5-Definitely	27	40
Total	68	100



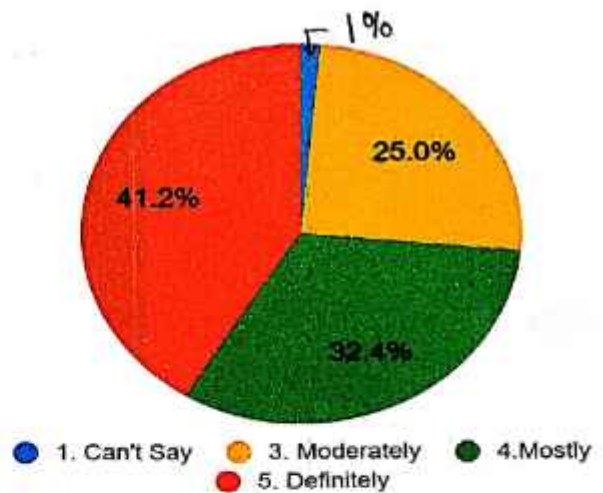
CO5: Are you able to Explore various commercially available cloud services and recommend the appropriate one for the given application ?

Score	No. of Students	Percentage
1-Can't say	0	0
2-Hardly	2	3
3-Moderately	15	22
4-Mostly	23	34
5-Definitely	28	41
Total	68	100



CO6: Are you able to Implement the concept of containerization ?

Score	No. of Students	Percentage
1-Can't say	1	1
2-Hardly	0	0
3-Moderately	17	25
4-Mostly	22	32
5-Definitely	28	41
Total	68	100



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ACADEMIC YEAR 2023-24

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING IN

DATA SCIENCE

Course Exit Analysis Report (SEM VI)

Subject- CSS Lab

Subject Teacher - Prof. Nisha Singh Gaur

CO1: To be able to apply the knowledge of symmetric cryptography to implement simple ciphers.

Score	No. of Students	Percentage
1-Can't say	2	2
2-Hardly	0	0
3-Moderately	11	16
4-Mostly	30	42
5-Definitely	29	40
Total	72	100

CO2: To be able to analyze and implement public key algorithms like RSA and El Gamal.

Score	No. of Students	Percentage
1-Can't say	0	0
2-Hardly	2	3
3-Moderately	16	22
4-Mostly	26	36
5-Definitely	28	39
Total	72	100



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING IN

DATA SCIENCE

Course Exit Analysis Report (SEM VI)

CO3: To analyze and evaluate performance of hashing algorithms.

Score	No. of Students	Percentage
1-Can't say	0	0
2-Hardly	2	3
3-Moderately	12	17
4-Mostly	25	35
5-Definitely	33	45
Total	72	100

CO4: To explore the different network reconnaissance tools to gather information about networks.

Score	No. of Students	Percentage
1-Can't say	0	0
2-Hardly	3	4
3-Moderately	15	21
4-Mostly	27	38
5-Definitely	27	38
Total	72	100



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING IN

DATA SCIENCE

Course Exit Analysis Report (SEM VI)

CO5: Use tools like sniffers, port scanners and other related tools for analyzing packets in a network.

Score	No. of Students	Percentage
1-Can't say	0	0
2-Hardly	1	1
3-Moderately	12	17
4-Mostly	31	43
5-Definitely	28	39
Total	72	100

CO6: Apply and set up firewalls and intrusion detection systems using open source technologies and to explore email security.

Score	No. of Students	Percentage
1-Can't say	0	0
2-Hardly	3	4
3-Moderately	12	17
4-Mostly	28	39
5-Definitely	29	40
Total	72	100

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Academic Year 2023-24 (EVEN SEM)

Course Exit Analysis Report (Sem - VI)

Subject- CSS Theory

Subject Incharge- Prof. Diksha Bombe

CO1: Are you able to Identify information security goals, classical encryption techniques and acquire fundamental knowledge on the concepts of finite fields and number theory.

Score	No. of Students	Percentage (%)
1-Can't say	2	3
2-Hardly	0	0
3-Moderately	12	16
4-Mostly	31	42
5-Definitely	28	38
Total	73	100

CO2: Are you able to Understand, compare and apply different encryption and decryption techniques to solve problems related to confidentiality and authentication

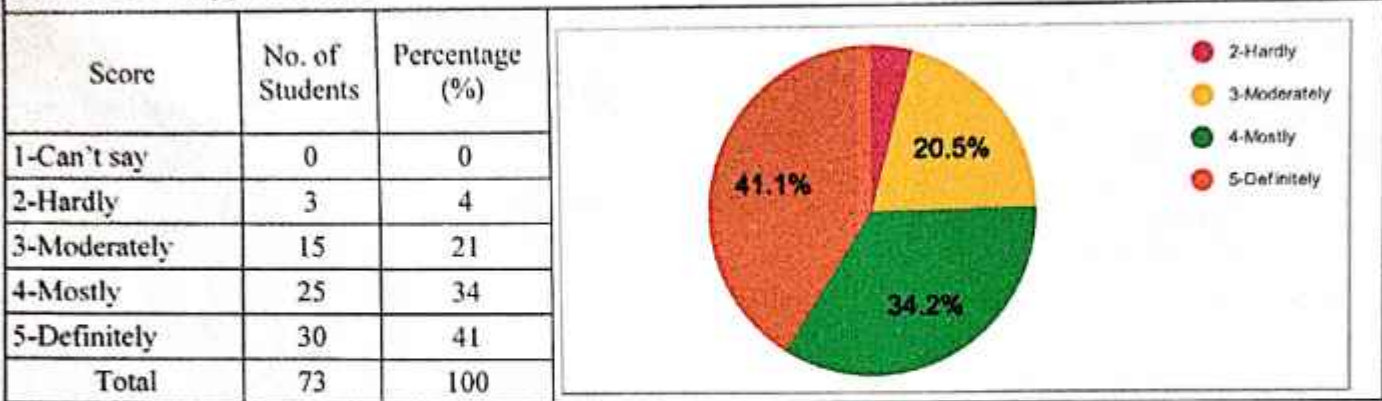
Score	No. of Students	Percentage (%)
1-Can't say	0	0
2-Hardly	1	1
3-Moderately	18	25
4-Mostly	27	37
5-Definitely	27	37
Total	73	100

CO3: Are you able to Apply the knowledge of cryptographic checksums and evaluate the performance of different message digest algorithms for verifying the integrity of varying message

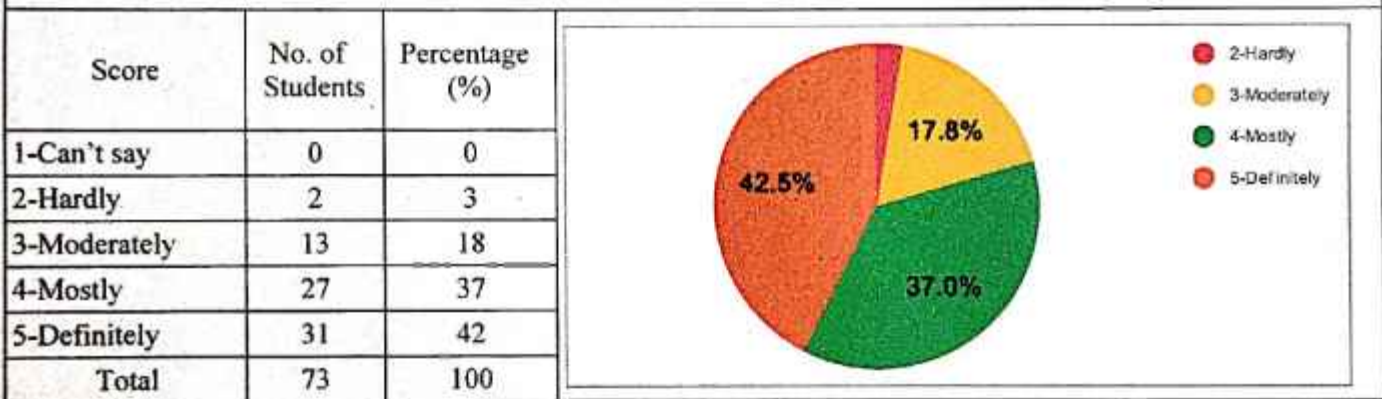
Score	No. of Students	Percentage (%)
1-Can't say	0	0
2-Hardly	2	3
3-Moderately	18	25
4-Mostly	24	33
5-Definitely	29	40
Total	73	100

Course Exit Analysis Report (Sem - VI)
Subject- CSS Theory

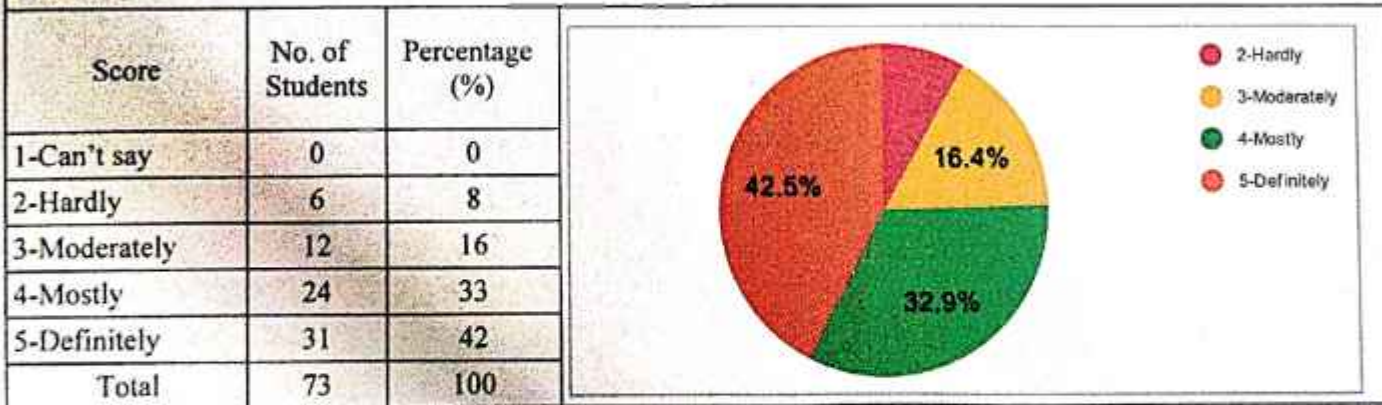
CO4: Are you able to Apply different digital signature algorithms to achieve authentication and create secure applications.



CO5: Are you able to Understand the concept of Operating System Security & Database Security



CO6: Are you able to Understand concept of Web Security such as Cookies, SSL, HTTPS, SSH, Web Browser Attacks.



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ACADEMIC YEAR 2023-24
 DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING IN
 DATA SCIENCE
 Course Exit Analysis Report (SEM VI)
 Subject- DAV(Lab)
 Subject Teacher - Prof. Vandana sharma

CO1: To effectively use libraries for Data Analytics.		
Score	No. of Students	Percentage
1-Can't say	0	0
2-Hardly	1	1.39
3-Moderately	10	13.89
4-Mostly	21	29.17
5-Definitely	40	55.56
Total	72	100

- 1. Can't Say
- 2. Hardly
- 3. Moderately
- 4. Mostly
- 5. Definitely

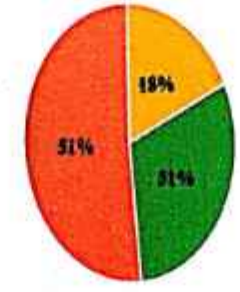
CO2: To understand the use of regression Techniques in data analytics applications.		
Score	No. of Students	Percentage
1-Can't say	0	0
2-Hardly	0	0
3-Moderately	8	11.11
4-Mostly	25	34.72
5-Definitely	39	54.17
Total	72	100

- 1. Can't Say
- 2. Hardly
- 3. Moderately
- 4. Mostly
- 5. De Legend



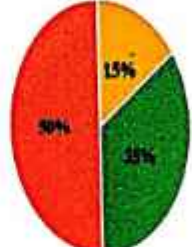
ACADEMIC YEAR 2023-24
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 DATA SCIENCE
 Course Exit Analysis Report (SEM VI)
 Subject- DAV(Lab)
 Subject Teacher - Prof. Vandana sharma

CO3: To use time series models for prediction.		
Score	No. of Students	Percentage
1-Can't say	0	0
2-Hardly	0	0
3-Moderately	13	18.06
4-Mostly	22	30.56
5-Definitely	37	51.39
Total	72	100



- 1. Can't Say
- 2. Hardly
- 3. Moderately
- 4. Mostly
- 5. Definitely

CO4: To introduce the concept of text analytics and its applications.		
Score	No. of Students	Percentage
1-Can't say	0	0
2-Hardly	0	0
3-Moderately	11	15.28
4-Mostly	25	34.72
5-Definitely	36	50
Total	72	100



- 1. Can't Say
- 2. Hardly
- 3. Moderately
- 4. Mostly
- 5. Definitely



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DATA SCIENCE

Course Exit Analysis Report (SEM VI)

Subject- DAV(Lab)

Subject Teacher - Prof. Vandana sharma

CO5: To apply suitable visualization techniques using R and Python.

Score	No. of Students	Percentage
1-Can't say	0	0
2-Hardly	0	0
3-Moderately	8	11.11
4-Mostly	26	36.11
5-Definitely	38	52.78
Total	72	100

- 1. Can't Say
- 2. Hardly
- 3. Moderately
- 4. Mostly
- 5. Definitely

CO6: Implement visualization techniques to given data sets using Python.

Score	No. of Students	Percentage
1-Can't say	1	0
2-Hardly	0	0
3-Moderately	7	9.72
4-Mostly	24	33.33
5-Definitely	40	55.56
Total	72	100

- 1. Can't Say
- 2. Hardly
- 3. Moderately
- 4. Mostly
- 5. Definitely

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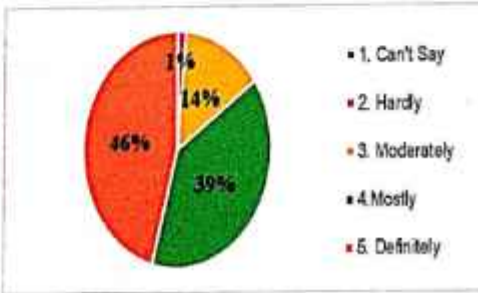
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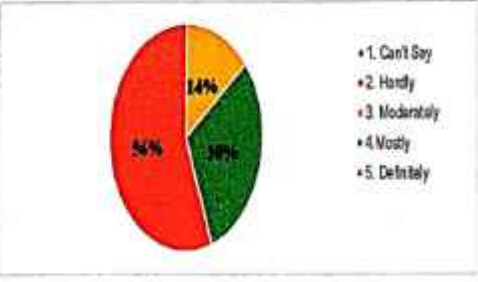
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 DATA SCIENCE
 Course Exit Analysis Report (SEM VI)
 Subject- DAV(TH)
 Subject Teacher - Prof. Vandana sharma

CO1: To Introduce the concept of Data Analytics Lifecycle.		
Score	No. of Students	Percentage
1-Can't say	0	0
2-Hardly	1	1.39
3-Moderately	10	13.89
4-Mostly	28	38.89
5-Definitely	33	45.83
Total	72	100



CO2: .To Develop Mathematical concepts required for advance regression.		
Score	No. of Students	Percentage
1-Can't say	0	0
2-Hardly	0	0
3-Moderately	10	13.89
4-Mostly	22	30.56
5-Definitely	40	55.56
Total	72	100





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 DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING IN
 DATA SCIENCE

Course Exit Analysis Report (SEM VI)
 Subject- DAV(TH)
 Subject Teacher - Prof. Vandana sharma

CO3: To Understand data modeling in time series and its process.

Score	No. of Students	Percentage
1-Can't say	0	0
2-Hardly	1	1.39
3-Moderately	8	11.11
4-Mostly	32	44.44
5-Definitely	31	43.06
Total	72	100

- 1. Can't Say
- 2. Hardly
- 3. Moderately
- 4. Mostly
- 5. Definitely

CO4: To create awareness about Text analytics and its applications.

Score	No. of Students	Percentage
1-Can't say	0	0
2-Hardly	0	0
3-Moderately	8	11.11
4-Mostly	30	41.67
5-Definitely	34	47.22
Total	72	100

- 1. Can't Say
- 2. Hardly
- 3. Moderately
- 4. Mostly
- 5. Definitely



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ACADEMIC YEAR 2023-24
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING IN
DATA SCIENCE
Course Exit Analysis Report (SEM VI)
Subject- DAV(TH)
Subject Teacher - Prof. Vandana sharma

CO5: To provide overview of Data analytics and visualization with R.

Score	No. of Students	Percentage
1-Can't say	0	0
2-Hardly	0	0
3-Moderately	10	13.89
4-Mostly	20	27.78
5-Definitely	42	58.33
Total	72	100

- 1. Can't Say
- 2. Hardly
- 3. Moderately
- 4. Mostly
- 5. Definitely

CO6: To provide an overview of Data analytics and visualization with Python.

Score	No. of Students	Percentage
1-Can't say	0	0
2-Hardly	0	0
3-Moderately	11	15.28
4-Mostly	29	40.28
5-Definitely	32	44.44
Total	72	100

- 1. Can't Say
- 2. Hardly
- 3. Moderately
- 4. Mostly
- 5. Definitely

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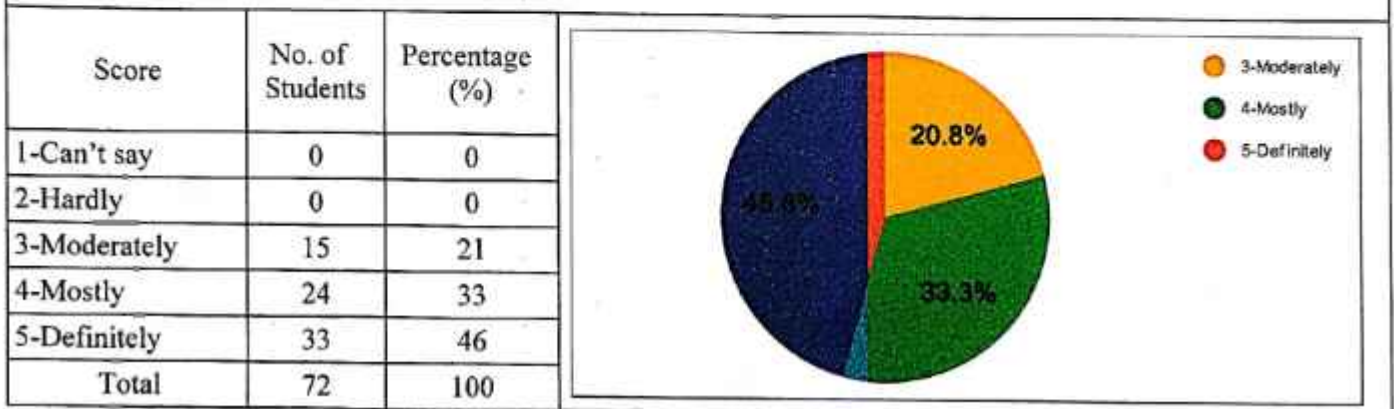
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Course Exit Analysis Report (Sem - VI)

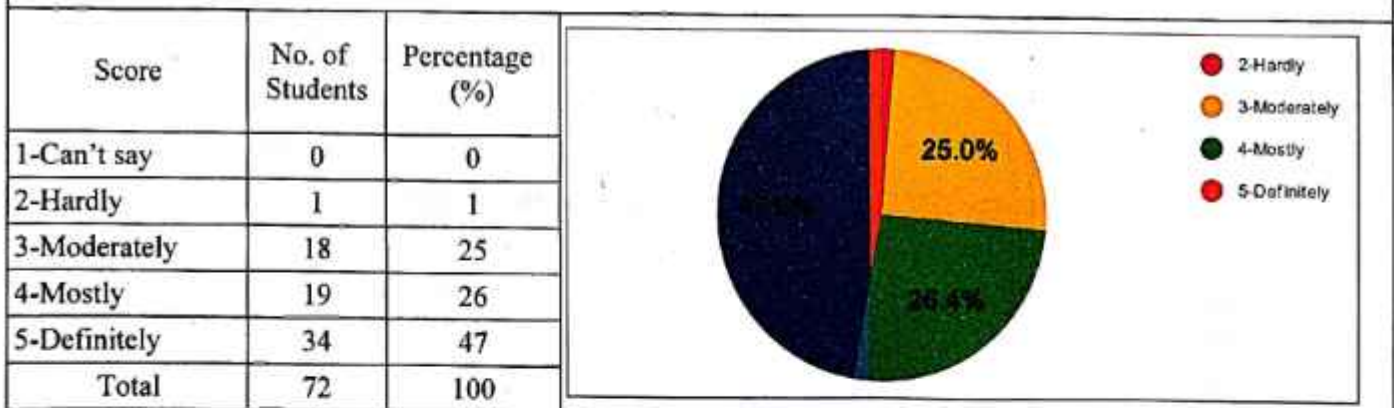
Subject- Distributed Computing

Subject Incharge- Prof. Sonali Ramteke

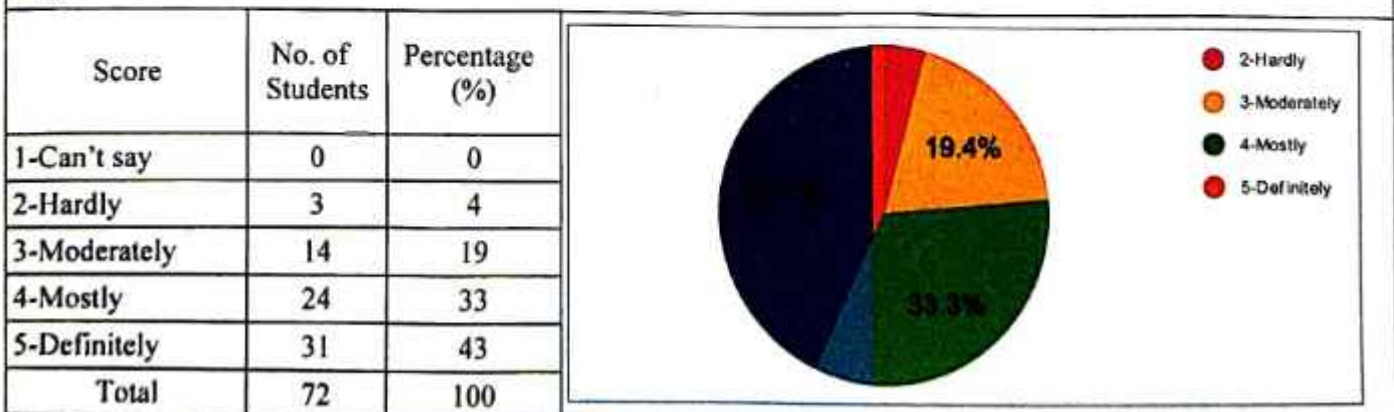
CO1: To provide students with contemporary knowledge in distributed systems.



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

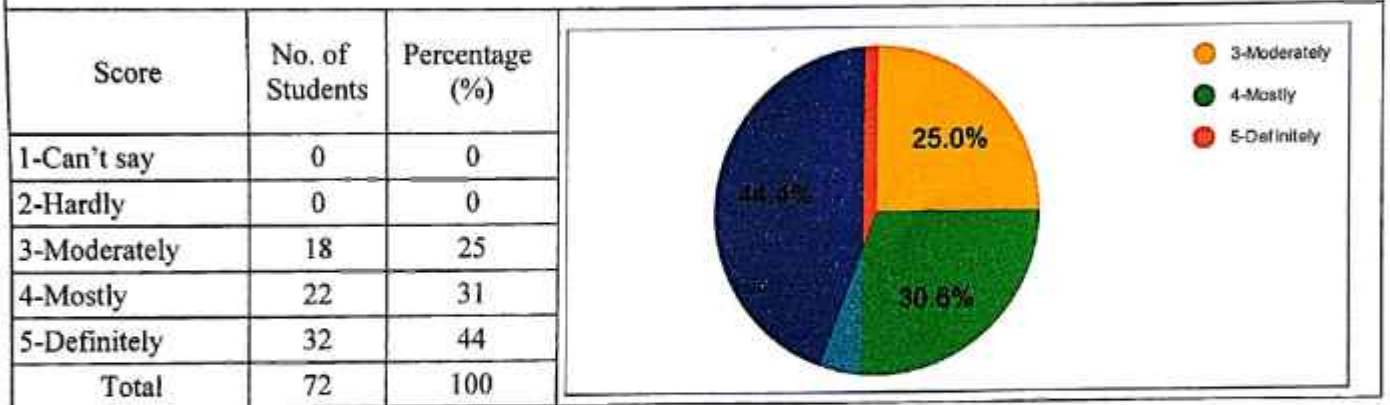


CO3: To provide master skills to measure the performance of distributed synchronization algorithms.

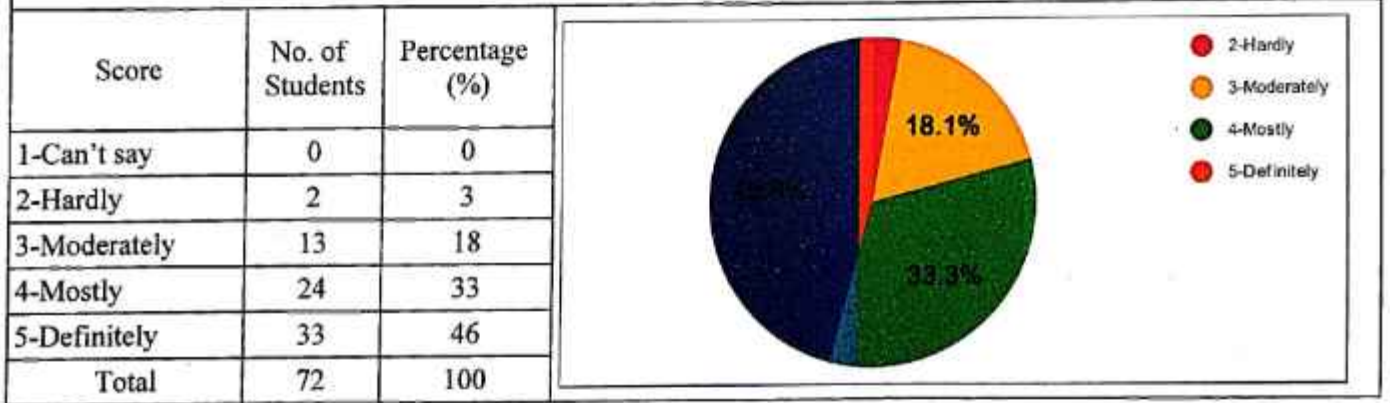


Course Exit Analysis Report (Sem - VI)
Subject- Distributed Computing

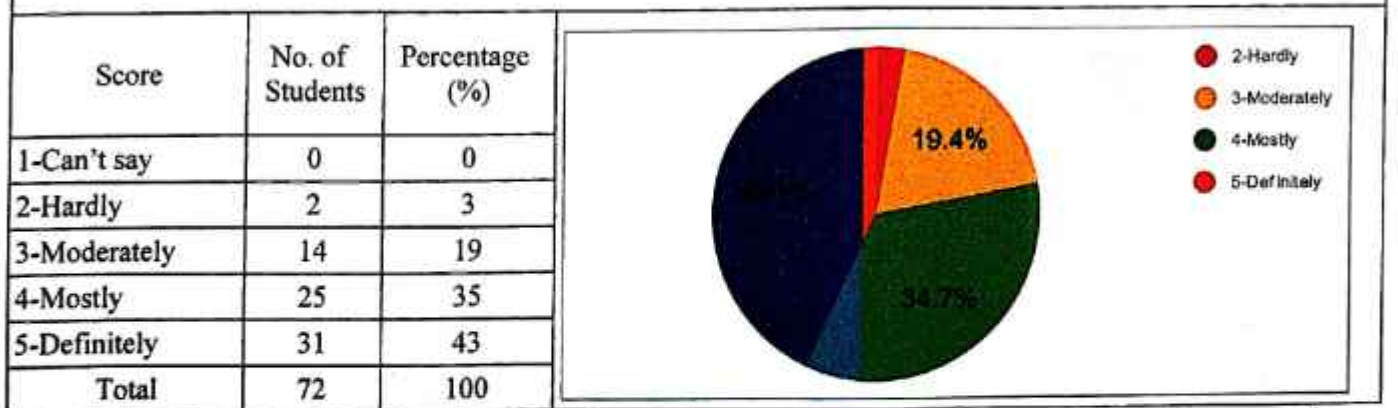
CO4: To equip students with skills to availability of resources.



CO5: To provide master skills to distributed file system.



CO6: Demonstrate the concept of Consistency and Replication Management.



S. Ramjeke
Faculty

RSM
HOD

[Signature]
Principal



Course Exit Analysis Report (Sem - VI)

Subject- Honours-DF

Subject Incharge- Pintu Sharma

CO1: To understand the various computer and cyber-crimes in the digital world.

Score	No. of Students	Percentage (%)
1-Can't say	0	0
2-Hardly	0	0
3-Moderately	11	25
4-Mostly	12	27.3
5-Definitely	21	47.7
Total	44	100

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

CO2: To understand a significance of digital forensics life cycle, underlying forensics principles and investigation process.

Score	No. of Students	Percentage (%)
1-Can't say	0	0
2-Hardly	1	2
3-Moderately	11	25
4-Mostly	11	25
5-Definitely	21	48
Total	44	100

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

CO3: To understand the importance of File system management with respect to computer forensics.

Score	No. of Students	Percentage (%)
1-Can't say	0	0
2-Hardly	1	2
3-Moderately	11	25
4-Mostly	13	30
5-Definitely	19	43
Total	44	100

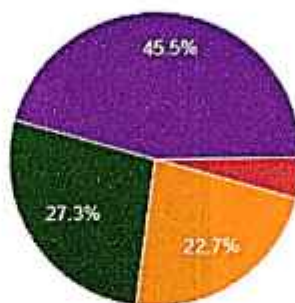
- 1-Can't say
- 2-Hardly
- 3-Moderately
- 4-Mostly
- 5-Definitely

Course Exit Analysis Report (Sem - VI)

Subject- Honours-DF

CO4: To be able to identify the live data in case of any incident handling and application of appropriate tools and practices for the same.

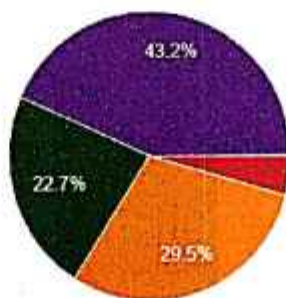
Score	No. of Students	Percentage (%)
1-Can't say	0	0
2-Hardly	2	3
3-Moderately	10	23
4-Mostly	12	28
5-Definitely	20	46
Total	44	100



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

CO5: To Develop the skills in application of various tools and investigation report writing with suitable evidences.

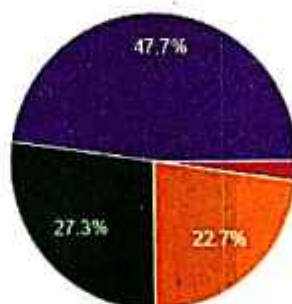
Score	No. of Students	Percentage (%)
1-Can't say	0	0
2-Hardly	2	5
3-Moderately	13	30
4-Mostly	10	23
5-Definitely	19	43
Total	44	100



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

CO6: To be able to identify the network and mobile related threats and recommendation of suitable forensics procedures for the same.

Score	No. of Students	Percentage (%)
1-Can't say	0	0
2-Hardly	1	2
3-Moderately	10	23
4-Mostly	12	27
5-Definitely	21	48
Total	44	100



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

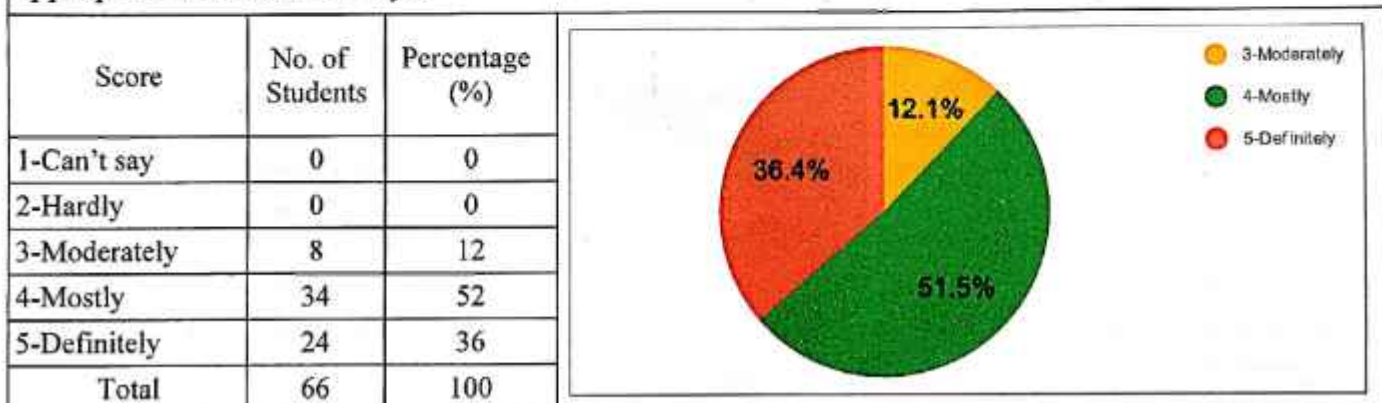
[Signature]
Faculty

[Signature]
HOD

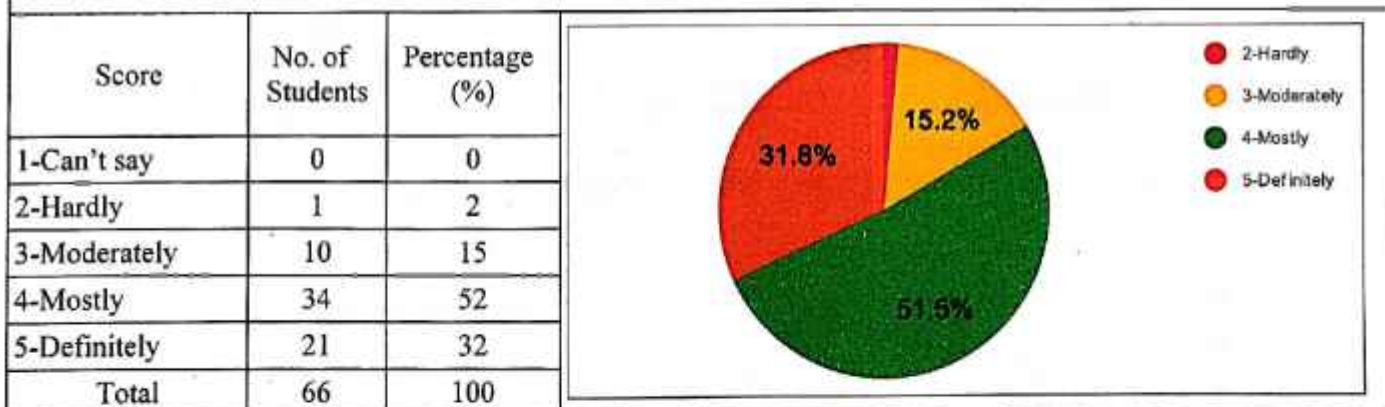
[Signature]
Principal



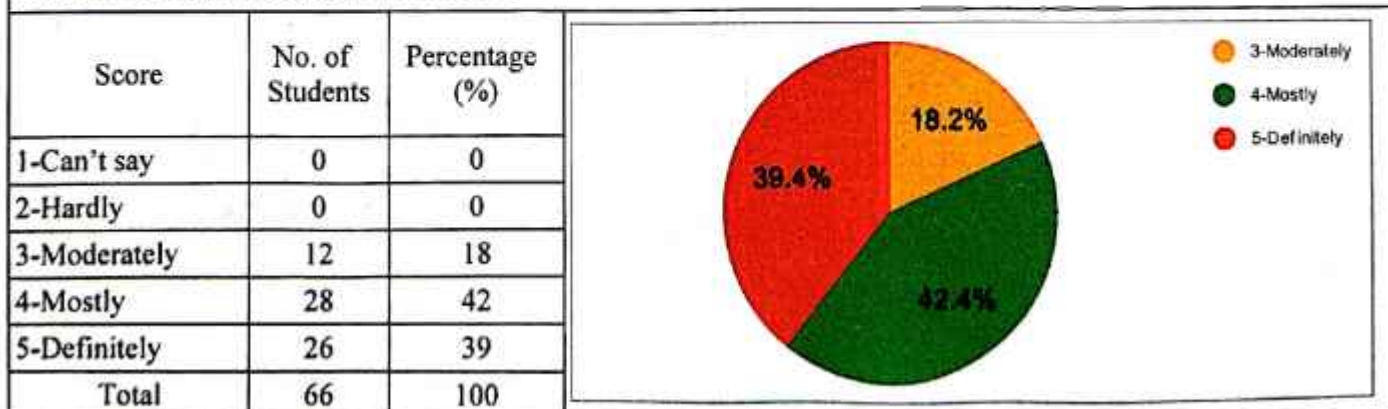
CO1: Are you able to Identify societal/research/innovation/entrepreneurship problems through appropriate literature surveys?



CO2: Can you Identify Methodology for solving above problem and apply engineering knowledge and skills to solve it?



CO3: Are you able to Validate, Verify the results using test cases/benchmark data/theoretical/inferences/experiments/simulations?

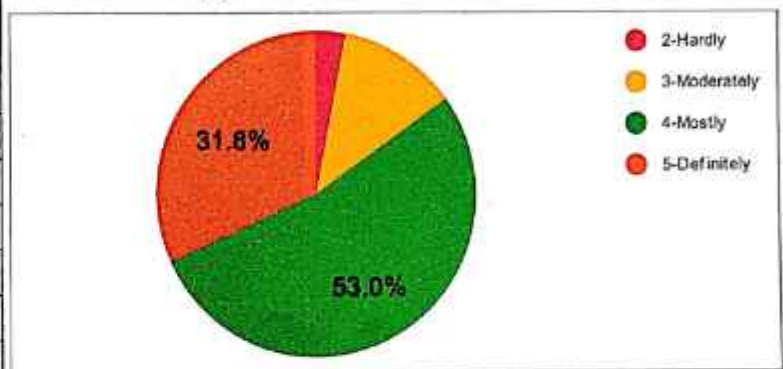


Course Exit Analysis Report (Sem - VI)

Subject- Mini Project 2B

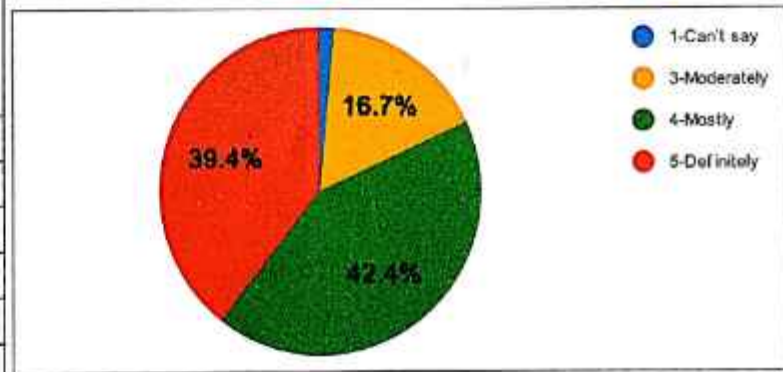
CO4: Are you able Analyze and evaluate the impact of solution/product/research/innovation /entrepreneurship towards societal/environmental/sustainable development?

Score	No. of Students	Percentage (%)
1-Can't say	0	0
2-Hardly	2	3
3-Moderately	8	12
4-Mostly	35	53
5-Definitely	21	32
Total	66	100



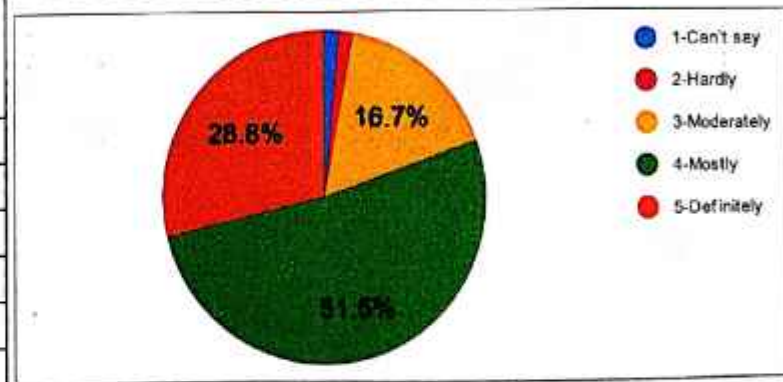
CO5: Can you analyze the impact of solutions in societal and environmental context for sustainable development?

Score	No. of Students	Percentage (%)
1-Can't say	1	2
2-Hardly	0	0
3-Moderately	11	17
4-Mostly	28	42
5-Definitely	26	39
Total	66	100



CO6: Have you gained technical competency towards participation in Competitions, Hackathons, etc.?

Score	No. of Students	Percentage (%)
1-Can't say	1	2
2-Hardly	1	2
3-Moderately	11	17
4-Mostly	34	52
5-Definitely	19	29
Total	66	100



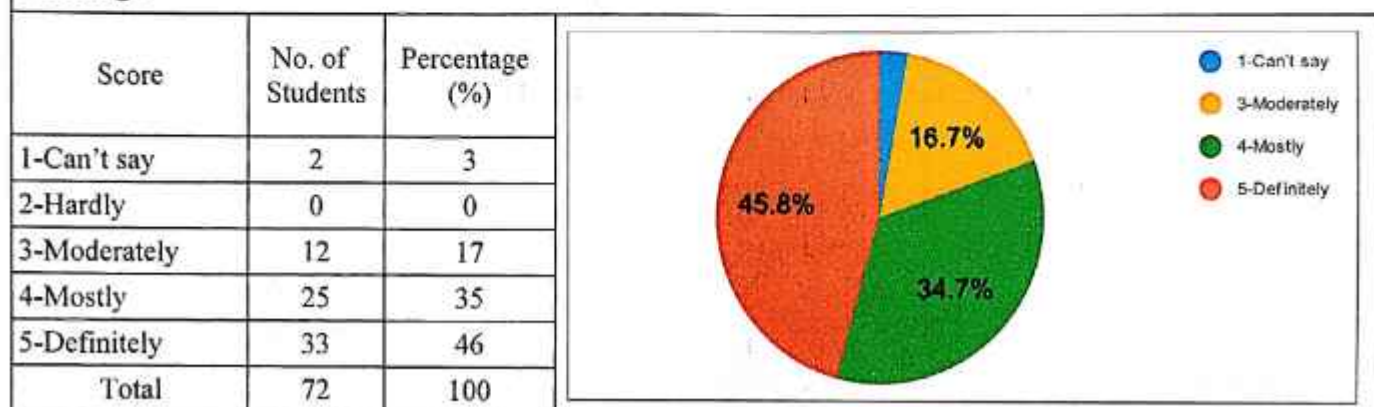
Wharna
Faculty

RCC
HOD

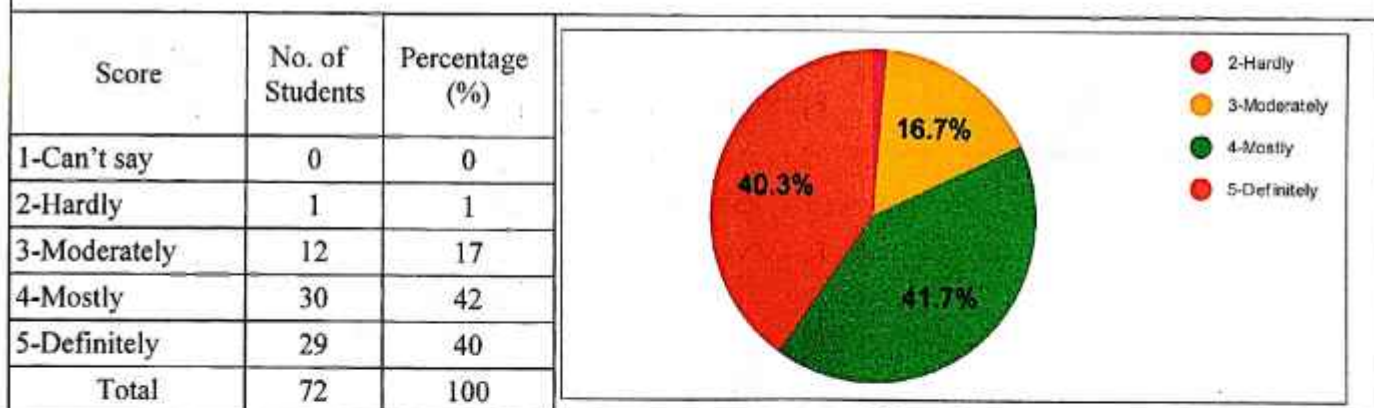
CH
Principal



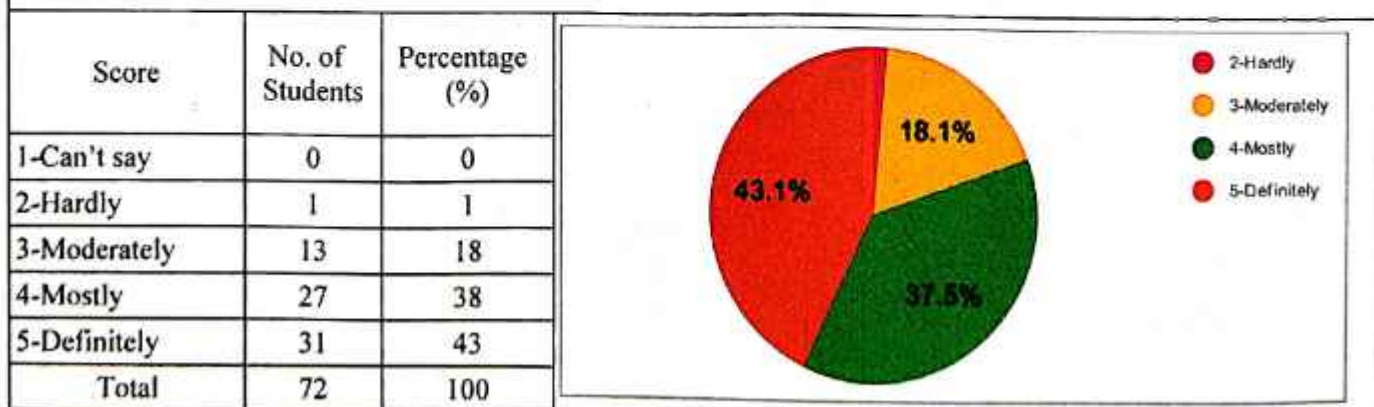
CO1: Are you able to introduce platforms such as Anaconda, COLAB suitable to Machine learning?



CO2: Are you able to implement various Regression techniques?

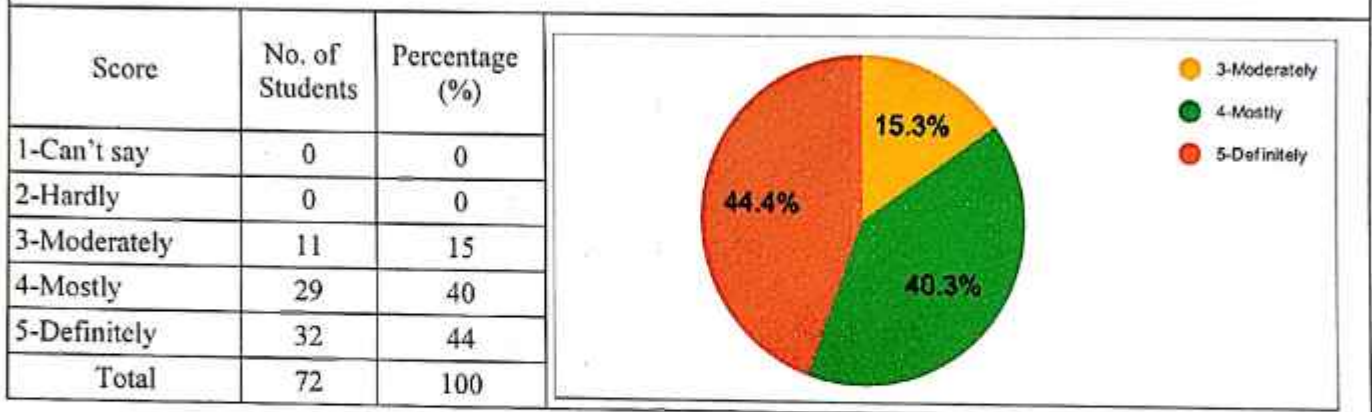


CO3: Are you able to apply suitable Machine learning models for a given problem?

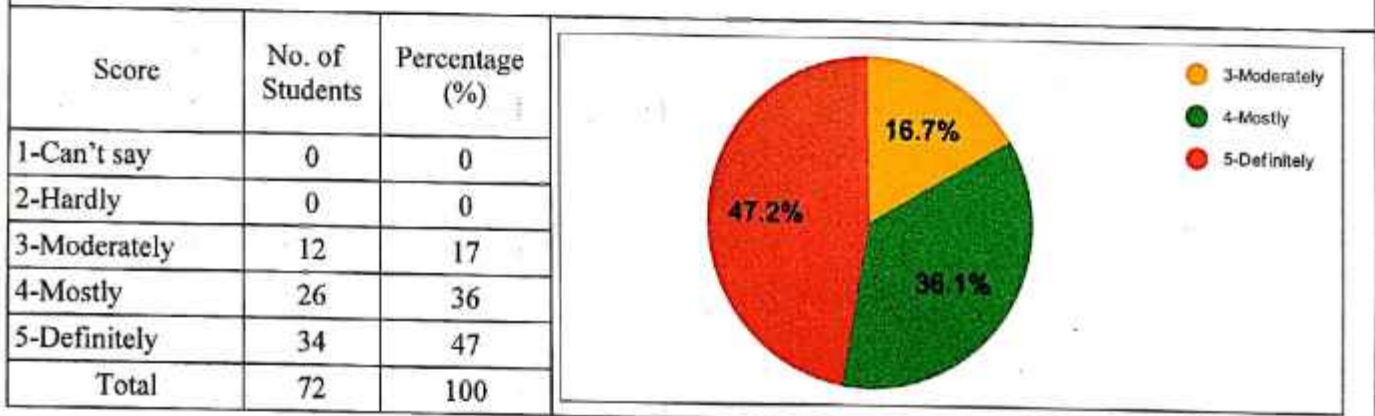


Course Exit Analysis Report (Sem - VI)
Subject- Machine Learning LAB

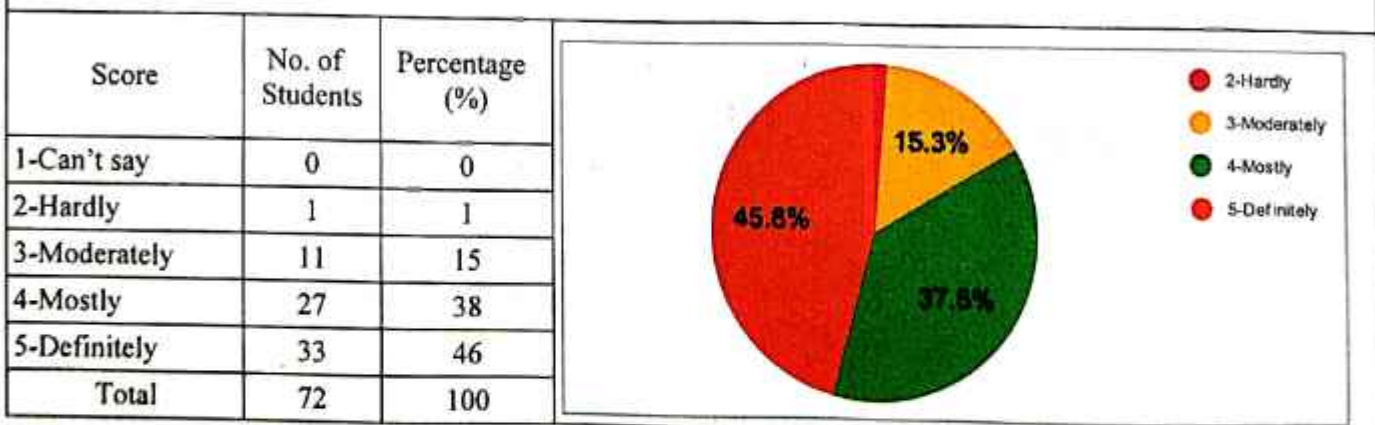
CO4: Are you able to implement Clustering techniques?



CO5: Are you able to develop Neural Network based learning models ?



CO6: Are you able to Apply Dimensionality Reduction techniques?



Hayatullah
Faculty

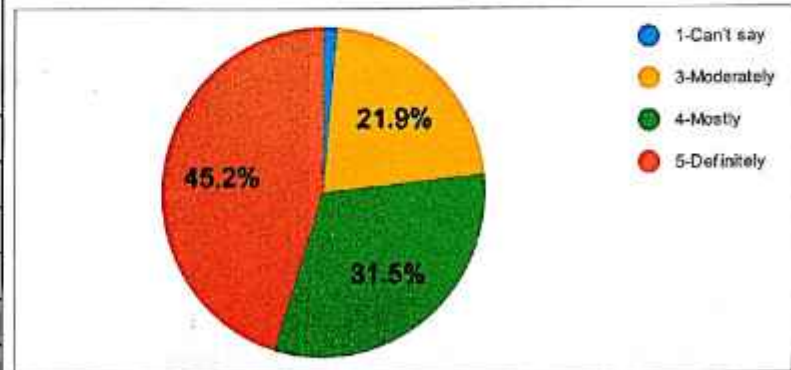
RSK
HOD

[Signature]
Principal



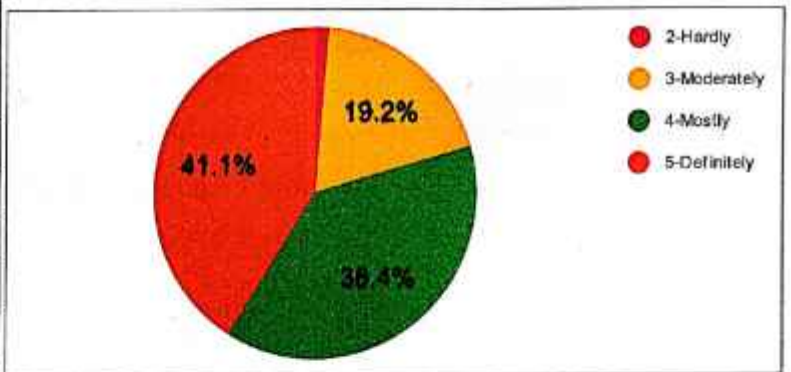
CO1: Are you able to Comprehend basics of Machine Learning?

Score	No. of Students	Percentage (%)
1-Can't say	1	1
2-Hardly	0	0
3-Moderately	16	22
4-Mostly	23	32
5-Definitely	33	45
Total	73	100



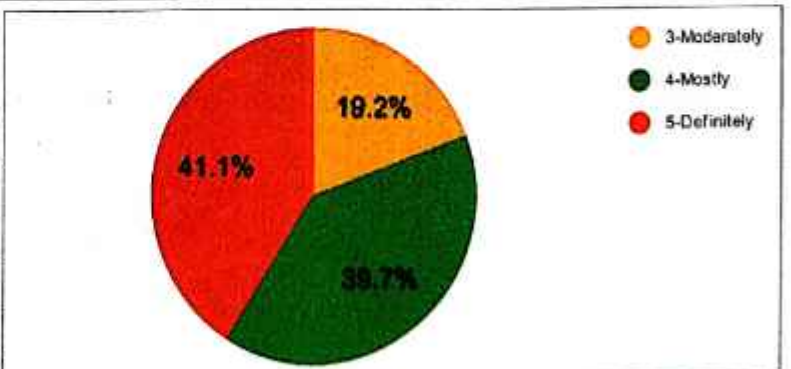
CO2: Are you able to Build Mathematical foundation for machine learning?

Score	No. of Students	Percentage (%)
1-Can't say	0	0
2-Hardly	1	1
3-Moderately	14	19
4-Mostly	28	38
5-Definitely	30	41
Total	73	100



CO3: Are you able to Understand various Machine learning models?

Score	No. of Students	Percentage (%)
1-Can't say	0	0
2-Hardly	0	0
3-Moderately	14	19
4-Mostly	29	40
5-Definitely	30	41
Total	73	100



Course Exit Analysis Report (Sem - VI)
Subject- Machine Learning

CO4: Are you able to Select suitable Machine learning models for a given problem?

Score	No. of Students	Percentage (%)
1-Can't say	0	0
2-Hardly	0	0
3-Moderately	15	21
4-Mostly	24	33
5-Definitely	34	47
Total	73	100

Legend for CO4:
● 3-Moderately
● 4-Mostly
● 5-Definitely

CO5: Are you able to develop Neural Network based learning models ?

Score	No. of Students	Percentage (%)
1-Can't say	0	0
2-Hardly	1	1
3-Moderately	15	21
4-Mostly	23	32
5-Definitely	34	47
Total	73	100

Legend for CO5:
● 2-Hardly
● 3-Moderately
● 4-Mostly
● 5-Definitely

CO6: Are you able to Apply Dimensionality Reduction techniques?

Score	No. of Students	Percentage (%)
1-Can't say	0	0
2-Hardly	1	1
3-Moderately	15	21
4-Mostly	24	33
5-Definitely	33	45
Total	73	100

Legend for CO6:
● 2-Hardly
● 3-Moderately
● 4-Mostly
● 5-Definitely

Kayalini
Faculty

R.R.
HOD

[Signature]
Principal



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Kharvelkar, Navi Mumbai - 410 210

NAAC A+ Accredited

Department of Computer Science & Engineering (Data Science)

Academic Year: 2023-24 (EVEN SEM)

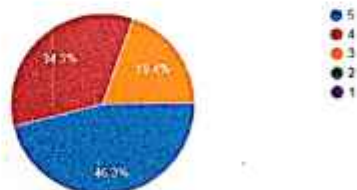
Course Exit Analysis Report (Sem – VI)

Subject – SEPM Lab Subject In-charge – Prof. Ragini Sharma

Score	No. of Students	Percentage
1-Can't Say	0	0%
2-Hardly	0	0%
3-Moderately	13	19.4%
4-Mostly	23	34.3%
5- Definitely	31	46.3%
Total	67	100%

CO1. To understand the fundamentals of DevOps engineering and be fully proficient with DevOps terminologies, concepts, benefits, and deployment options to meet your business requirements

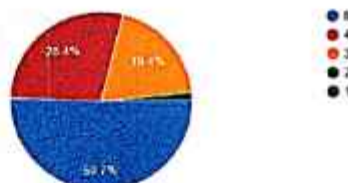
67 responses



Score	No. of Students	Percentage
1-Can't Say	0	0%
2-Hardly	1	1.5%
3-Moderately	13	19.4%
4-Mostly	19	28.4%
5- Definitely	34	50.7%
Total	67	100%

CO2. To obtain complete knowledge of the —version control system to effectively track changes augmented with GIT and GitHub

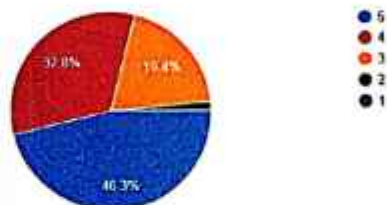
67 responses



Score	No. of Students	Percentage
1-Can't Say	0	3.1%
2-Hardly	1	1.6%
3-Moderately	13	15.6%
4-Mostly	22	40.6%
5- Definitely	31	39.1%
Total	67	100%

CO3. Understand the importance of Selenium and Jenkins to test Software Applications

67 responses





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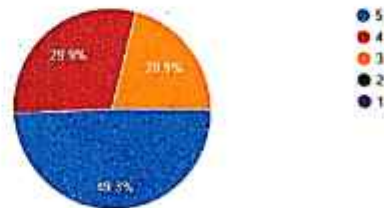
NAAC A+ Accredited

Department of Computer Science & Engineering (Data Science)
Academic Year: 2023-24 (EVEN SEM)

Score	No. of Students	Percentage
1-Can't Say	0	0%
2-Hardly	0	0%
3-Moderately	14	20.9%
4-Mostly	20	29.9%
5- Definitely	33	49.3%
Total	67	100%

CO4. To understand the importance of Jenkins to Build and deploy Software Applications on server environment.

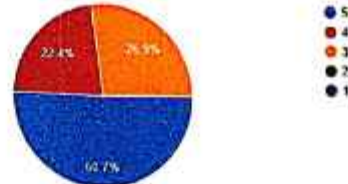
67 responses



Score	No. of Students	Percentage
1-Can't Say	0	0%
2-Hardly	0	0%
3-Moderately	18	26.9%
4-Mostly	15	22.4%
5- Definitely	34	50.7%
Total	67	100%

CO5. To understand concept of containerization and Analyze the Containerization of OS images and deployment of applications over Docker.

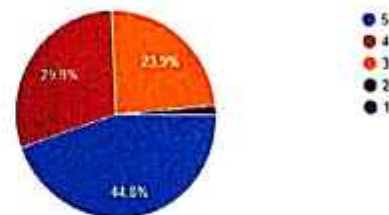
67 responses



Score	No. of Students	Percentage
1-Can't Say	1	1.5%
2-Hardly	0	0%
3-Moderately	16	23.8%
4-Mostly	20	29.9%
5- Definitely	30	44.8%
Total	67	100%

CO6. To Synthesize software configuration and provisioning using Ansible.

67 responses



RCL
Subject Incharge

RCL
HOD

[Signature]
Principal



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Department of Computer Science And Engineering in Data Science

Academic Year 2023-24 (EVEN SEM)

Course Exit Analysis Report (Sem - VIII)

Subject- SEPM Theory

Subject Incharge- Prof. Sarita Kale

C01. Understand and use basic knowledge and different models in software engineering. .

Score	No. of Students	Percentage (%)
1-Can't say	0	0
2-Hardly	0	0
3-Moderately	15	20
4-Mostly	30	41
5-Definitely	29	39
Total	74	100

C02. Identify requirements, analyze and prepare models.

Score	No. of Students	Percentage (%)
1-Can't say	0	0
2-Hardly	1	1
3-Moderately	16	22
4-Mostly	28	38
5-Definitely	29	39
Total	74	100

C03. Plan, schedule and track the progress of the projects .

Score	No. of Students	Percentage (%)
1-Can't say	0	0
2-Hardly	0	0
3-Moderately	16	22
4-Mostly	30	41
5-Definitely	28	38
Total	74	100

Course Exit Analysis Report (Sem - VIII)
Subject- SEPM Theory

C04. Design & develop the software solutions for the growth of society

Score	No. of Students	Percentage (%)
1-Can't say	0	0
2-Hardly	0	0
3-Moderately	19	26
4-Mostly	28	38
5-Definitely	27	36
Total	74	100

A pie chart illustrating the distribution of scores for C04. The chart is divided into three segments: 3-Moderately (yellow, 25.7%), 4-Mostly (green, 37.8%), and 5-Definitely (red, 36.5%). A legend on the right identifies the colors: yellow for 3-Moderately, green for 4-Mostly, and red for 5-Definitely.

C05. Apply testing and assure quality in software solutions .

Score	No. of Students	Percentage (%)
1-Can't say	0	0
2-Hardly	0	0
3-Moderately	17	23
4-Mostly	28	38
5-Definitely	29	39
Total	74	100

A pie chart illustrating the distribution of scores for C05. The chart is divided into three segments: 3-Moderately (yellow, 23.0%), 4-Mostly (green, 37.8%), and 5-Definitely (red, 39.2%). A legend on the right identifies the colors: yellow for 3-Moderately, green for 4-Mostly, and red for 5-Definitely.

C06 . Generate project schedule and can construct, design and develop network diagram for different type of Projects. They can also organize different activities of project .

Score	No. of Students	Percentage (%)
1-Can't say	0	0
2-Hardly	0	0
3-Moderately	15	20
4-Mostly	30	41
5-Definitely	29	39
Total	74	100

A pie chart illustrating the distribution of scores for C06. The chart is divided into three segments: 3-Moderately (yellow, 20.3%), 4-Mostly (green, 40.5%), and 5-Definitely (red, 39.2%). A legend on the right identifies the colors: yellow for 3-Moderately, green for 4-Mostly, and red for 5-Definitely.

[Signature]
Faculty

[Signature]
HOD

[Signature]
Principal



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ACADEMIC YEAR 2023-24
 DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING IN
 DATA SCIENCE
 Course Exit Analysis Report (SEM VIII)
 Subject- AAI-LAB
 Subject Teacher - Prof. Vandana sharma

CO1: To implement Generative and Probabilistic models and understand its working		
Score	No. of Students	Percentage
1-Can't say	1	1.41
2-Hardly	2	2.82
3-Moderately	7	9.86
4-Mostly	15	21.13
5-Definitely	46	64.79
Total	71	100

- 1. Can't Say
- 2. Hardly
- 3. Moderately
- 4. Mostly
- 5. Definitely

CO2: To analyse the Architecture and Training process of Autoencoders.		
Score	No. of Students	Percentage
1-Can't say	0	0
2-Hardly	2	2.82
3-Moderately	8	11.27
4-Mostly	21	29.58
5-Definitely	40	56.34
Total	71	100

- 1. Can't Say
- 2. Hardly
- 3. Moderately
- 4. Mostly
- 5. Definitely



ACADEMIC YEAR 2023-24

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING IN
 DATA SCIENCE

Course Exit Analysis Report (SEM VIII)

Subject- AAI-LAB

Subject Teacher - Prof. Vandana sharma

CO3: To apply the concepts of transfer learning towards useful outcomes.		
Score	No. of Students	Percentage
1-Can't say	0	0
2-Hardly	2	2.82
3-Moderately	8	11.27
4-Mostly	20	28.17
5-Definitely	41	57.75
Total	71	100

CO4: To demonstrate the application of ensemble learning.		
Score	No. of Students	Percentage
1-Can't say	0	0
2-Hardly	4	5.63
3-Moderately	6	8.45
4-Mostly	19	26.76
5-Definitely	42	59.15
Total	71	100



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ACADEMIC YEAR 2023-24
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING IN
DATA SCIENCE
Course Exit Analysis Report (SEM VIII)
Subject- AAI-LAB
Subject Teacher - Prof. Vandana sharma

CO5: To realise the penetration of Nascent AI technologies in real life applications.

Score	No. of Students	Percentage
1-Can't say	0	0
2-Hardly	3	4.23
3-Moderately	7	9.86
4-Mostly	19	26.76
5-Definitely	42	59.15
Total	71	100

Legend for Pie Chart:

- 1. Can't Say
- 2. Hardly
- 3. Moderately
- 4. Mostly
- 5. Definitely

V Sharma
FACULTY

RPL
HOD

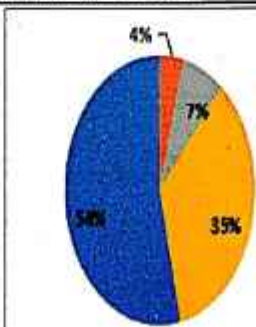
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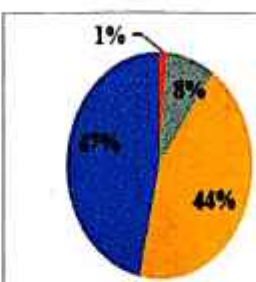
ACADEMIC YEAR 2023-24
 DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING IN
 DATA SCIENCE
 Course Exit Analysis Report (SEM VIII)
 Subject- AAI (TH)
 Subject Teacher - Prof. Vandana sharma

CO1: To relate with the basic concepts of Probabilistic Models.		
Score	No. of Students	Percentage
1-Can't say	0	0
2-Hardly	3	4.23
3-Moderately	5	7.04
4-Mostly	25	35.52
5-Definitely	38	53.52
Total	71	100



- 1. Can't Say
- 2. Hardly
- 3. Moderately
- 4. Mostly
- 5. Definitely

CO2: To understand the scope of Generative Networks in the field of AI.		
Score	No. of Students	Percentage
1-Can't say	0	0
2-Hardly	1	1.41
3-Moderately	6	8.45
4-Mostly	31	43.66
5-Definitely	33	46.48
Total	71	100



- 1. Can't Say
- 2. Hardly
- 3. Moderately
- 4. Mostly
- 5. Definitely



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ACADEMIC YEAR 2023-24
 DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING IN
 DATA SCIENCE

Course Exit Analysis Report (SEM VIII)
 Subject- AAI (TH)

Subject Teacher - Prof. Vandana sharma

CO3: To recognize various components of the Autoencoder Architecture and Training process.		
Score	No. of Students	Percentage
1-Can't say	0	0
2-Hardly	2	2.82
3-Moderately	10	14.08
4-Mostly	19	26.76
5-Definitely	40	56.34
Total	71	100

- 1. Can't Say
- 2. Hardly
- 3. Moderately
- 4. Mostly
- 5. Definitely

CO4: To learn the fundamentals of Transfer Learning.		
Score	No. of Students	Percentage
1-Can't say	1	1.41
2-Hardly	2	2.82
3-Moderately	5	7.04
4-Mostly	20	28.17
5-Definitely	43	60.56
Total	71	100

- 1. Can't Say
- 2. Hardly
- 3. Moderately
- 4. Mostly
- 5. Definitely



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ACADEMIC YEAR 2023-24
 DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING IN
 DATA SCIENCE

Course Exit Analysis Report (SEM VIII)
 Subject- AAI (TH)
 Subject Teacher - Prof. Vandana sharma

CO5: Provide students with a comprehensive understanding of ensemble methods and their applications.

Score	No. of Students	Percentage
1-Can't say	0	0
2-Hardly	1	1.41
3-Moderately	6	8.45
4-Mostly	21	29.58
5-Definitely	43	60.56
Total	71	100

CO6: To explore the nascent applications of AI

Score	No. of Students	Percentage
1-Can't say	1	1.41
2-Hardly	1	1.41
3-Moderately	5	7.04
4-Mostly	21	29.58
5-Definitely	43	60.56
Total	71	100

V Sharma
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Department of Computer Science And Engineering in Data Science

ACADEMIC YEAR 2023-24

Course Exit Analysis Report (SEM VIII)

Subject- AIFBA LAB

Subject Teacher - Prof. Nisha Singh Gaur

CO1: To implement digital money transfer systems in the banking sector.

Score	No. of Students	Percentage
1-Can't say	0	0
2-Hardly	1	1
3-Moderately	11	16
4-Mostly	23	32
5-Definitely	36	51
Total	71	100

CO2: To calculate risk-adjusted performance measures for investment portfolios.

Score	No. of Students	Percentage
1-Can't say	2	2.816901
2-Hardly	2	3
3-Moderately	12	17
4-Mostly	19	27
5-Definitely	36	51
Total	71	100



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ACADEMIC YEAR 2023-24

Course Exit Analysis Report (SEM VIII)

CO3: To apply cluster analysis to identify patterns in financial data.

Score	No. of Students	Percentage
1-Can't say	0	0
2-Hardly	3	4
3-Moderately	10	14
4-Mostly	24	34
5-Definitely	34	48
Total	71	100

CO4: To analyze market sentiment using the Markov regime switching model.

Score	No. of Students	Percentage
1-Can't say	1	1
2-Hardly	0	0
3-Moderately	12	17
4-Mostly	19	27
5-Definitely	39	55
Total	71	100



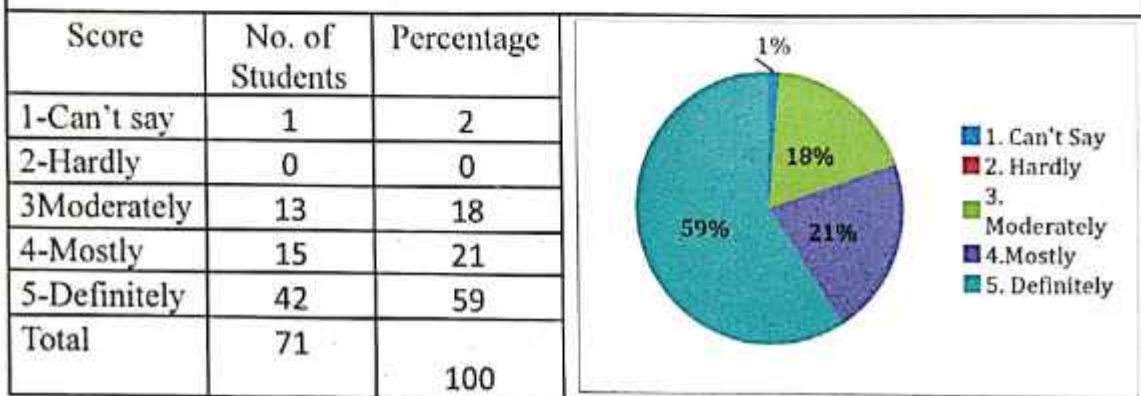
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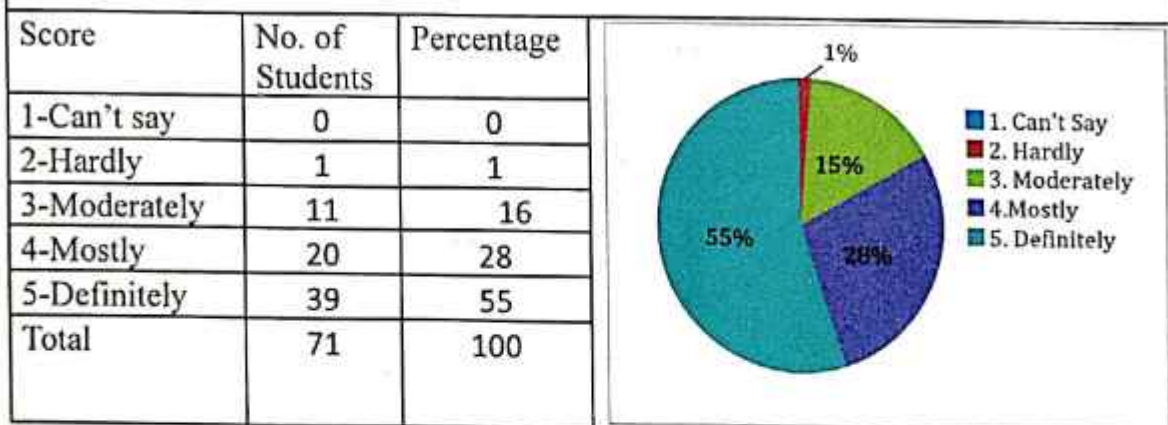
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Course Exit Analysis Report (SEM VIII)

CO5: To design and backtest trading algorithms for financial markets.



CO6: To detect and prevent fraudulent activities using fraud analytics techniques.



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Course Exit Analysis Report (SEM VIII)

Subject- AIFBA Theory

Subject Teacher - Prof. Nisha Singh Gaur

CO1: To understand the impact of technology and digitization on financial and banking enterprises..

Score	No. of Students	Percentage
1-Can't say	1	1.408451
2-Hardly	1	1
3-Moderately	13	16
4-Mostly	18	26
5-Definitely	38	55
Total	71	100

CO2: To explore blockchain technologies in the financial sector.

Score	No. of Students	Percentage
1-Can't say	1	1.408451
2-Hardly	2	3
3-Moderately	13	18
4-Mostly	15	21
5-Definitely	40	56
Total	71	100



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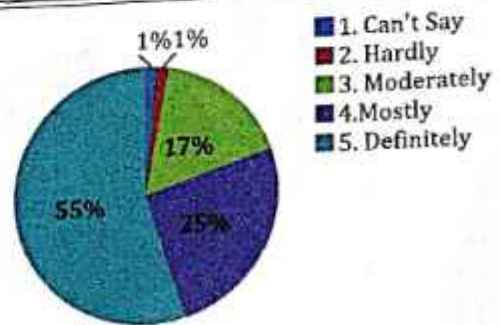
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Course Exit Analysis Report (SEM VIII)

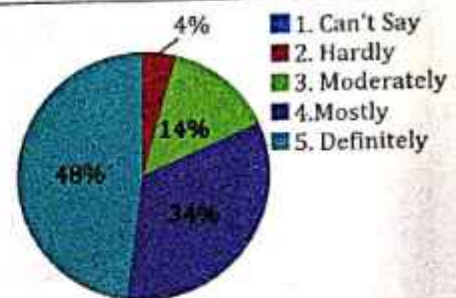
CO3: To examine digital money transfer mechanisms and GIFT cities.

Score	No. of Students	Percentage
1-Can't say	1	1.408451
2-Hardly	1	1
3-Moderately	12	17
4-Mostly	18	25
5-Definitely	39	55
Total	71	100



CO4: To evaluate the benefits of digitization and cloud services in banking.

Score	No. of Students	Percentage
1-Can't say	0	0
2-Hardly	3	4
3-Moderately	10	14
4-Mostly	24	34
5-Definitely	34	48
Total	71	100





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Course Exit Analysis Report (SEM VIII)

CO5: To analyze enterprise software solutions for financial operations.

Score	No. of Students	Percentage
1-Can't say	0	0
2-Hardly	1	1
3-Moderately	11	16
4-Mostly	20	28
5-Definitely	39	55
Total	71	100

CO6: To study the integration of AI in banking processes.

Score	No. of Students	Percentage
1-Can't say	1	1
2-Hardly	2	3
3-Moderately	10	14
4-Mostly	20	28
5-Definitely	38	54
Total	71	100

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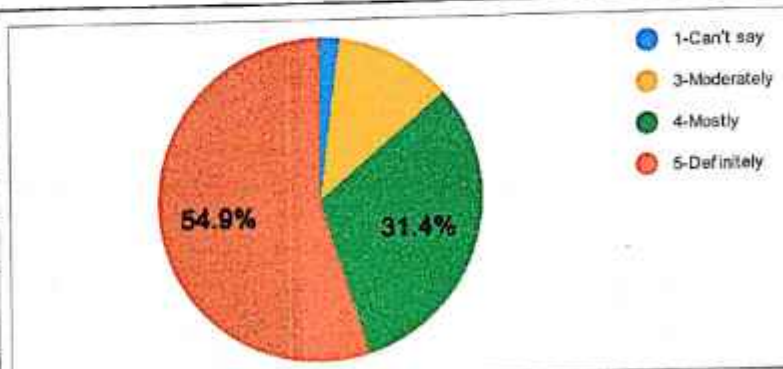
HOD

Principal



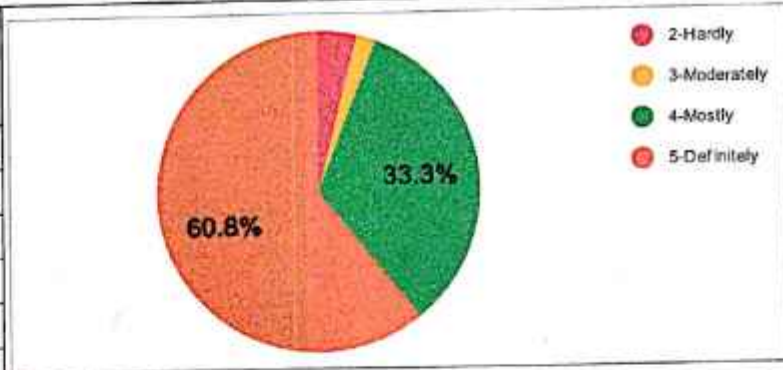
CO1: Are you able to identify causes and effects of major environmental issues and concerns?

Score	No. of Students	Percentage (%)
1-Can't say	1	2
2-Hardly	0	0
3-Moderately	6	12
4-Mostly	16	31
5-Definitely	28	55
Total	51	100



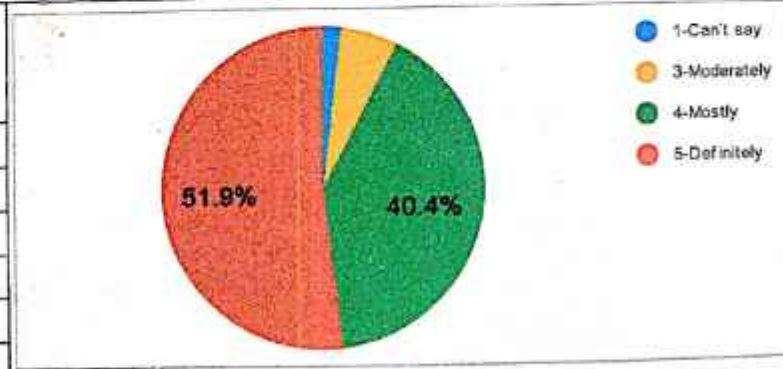
CO2: Are you able to understand the concept of environmental management?

Score	No. of Students	Percentage (%)
1-Can't say	0	0
2-Hardly	2	4
3-Moderately	1	2
4-Mostly	17	33
5-Definitely	31	61
Total	51	100



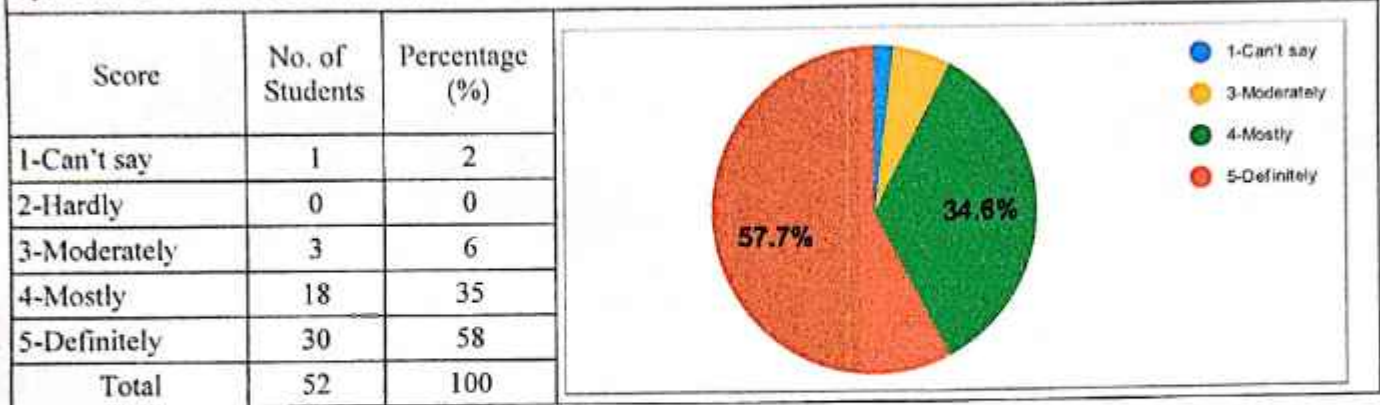
CO3: Are you able to understand ecosystem and interdependence between living organisms, food chain etc.?

Score	No. of Students	Percentage (%)
1-Can't say	1	2
2-Hardly	0	0
3-Moderately	3	6
4-Mostly	21	40
5-Definitely	27	52
Total	52	100

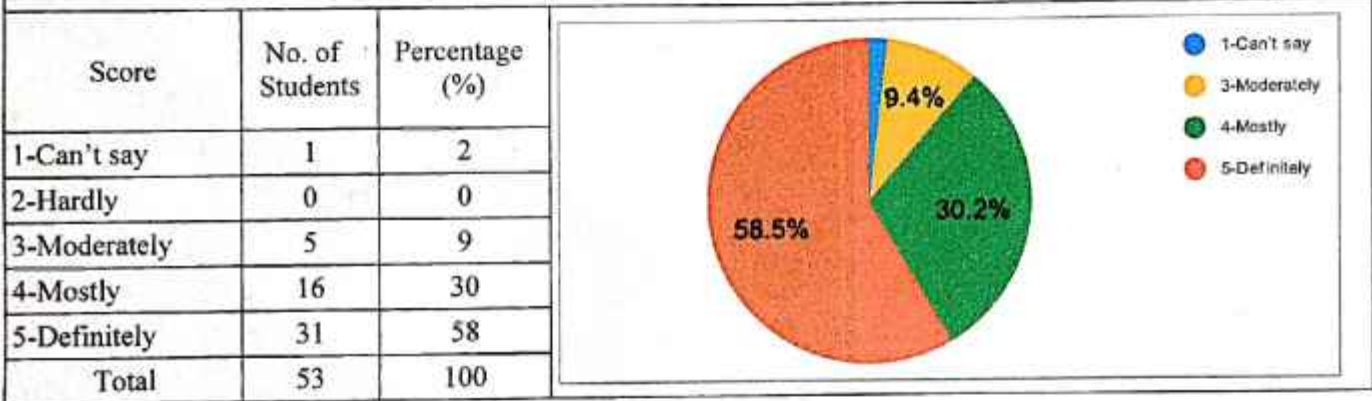


Course Exit Analysis Report (Sem - VIII)
Subject- Environmental Management

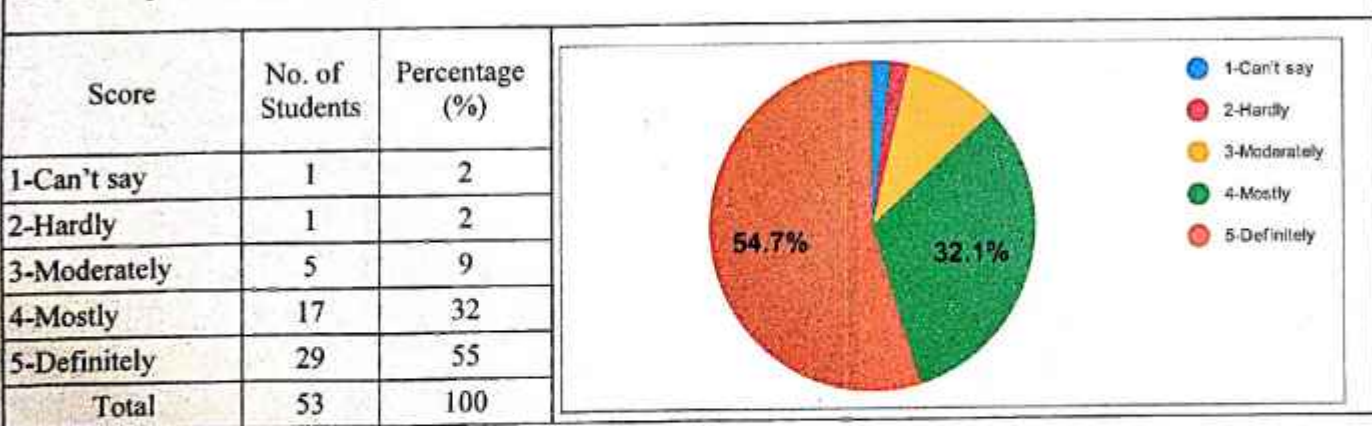
CO4:Are you able to acquaint with the concept of Environment Management System, ISO 14001 standard, EMS Certification?



CO5:Are you able to acquire knowledge about the functions of Government for environment protection and management?



CO6:Are you able to interpret environment related legislations?



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Course Exit Analysis Report (Sem - VIII)

Subject- Honours-AS

Subject Incharge- Pintu Sharma

CO1: The terms and concepts of application Security, Threats, and Attacks

Score	No. of Students	Percentage (%)
1-Can't say	0	0
2-Hardly	1	1
3-Moderately	4	5
4-Mostly	21	27
5-Definitely	52	67
Total	78	100

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

CO2: The countermeasures for the threats wrt Application security.

Score	No. of Students	Percentage (%)
1-Can't say	0	0
2-Hardly	0	0
3-Moderately	5	7
4-Mostly	23	30
5-Definitely	49	64
Total	77	100

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

CO3: The Secure Coding Practices

Score	No. of Students	Percentage (%)
1-Can't say	1	1
2-Hardly	1	1
3-Moderately	7	9
4-Mostly	21	27
5-Definitely	47	61
Total	77	100

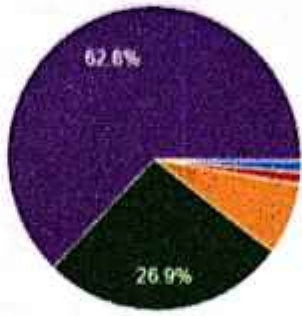
- 1-Can't say
- 2-Hardly
- 3-Moderately
- 4-Mostly
- 5-Definitely

Course Exit Analysis Report (Sem - VIII)

Subject- Honours-AS

CO4: The Secure Application Design and Architecture

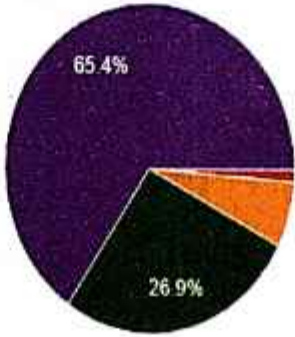
Score	No. of Students	Percentage (%)
1-Can't say	1	1
2-Hardly	1	1
3-Moderately	6	8
4-Mostly	21	27
5-Definitely	49	63
Total	78	100



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

CO5: The different Security Scanning and testing techniques

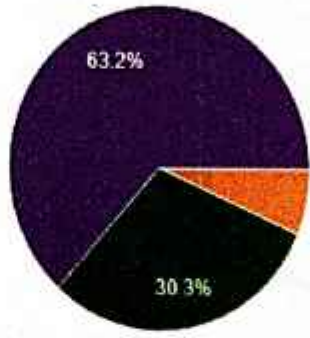
Score	No. of Students	Percentage (%)
1-Can't say	0	0
2-Hardly	1	1
3-Moderately	5	6
4-Mostly	21	27
5-Definitely	51	65
Total	78	100



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

CO6: The threat modeling approaches

Score	No. of Students	Percentage (%)
1-Can't say	0	0
2-Hardly	0	0
3-Moderately	5	7
4-Mostly	23	30
5-Definitely	48	63
Total	76	100



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

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Course Exit Analysis Report (Sem - VIII)

Subject- Major Project

Subject Incharge- Prof. Sarita Kale

C01. Evaluate, apply and analyze problem statements based on societal /research needs and identifies objectives to solve an engineering problem in society

Score	No. of Students	Percentage (%)
1-Can't say	2	3
2-Hardly	0	0
3-Moderately	10	14
4-Mostly	20	28
5-Definitely	39	55
Total	71	100

C02. Explore and synthesize system requirements from larger social and professional concerns and identify modern engineering tools, techniques and resources to produce a variety of potential design solutions.

Score	No. of Students	Percentage (%)
1-Can't say	1	1
2-Hardly	0	0
3-Moderately	9	13
4-Mostly	27	38
5-Definitely	34	48
Total	71	100

C03. Critically analyze data through theoretical/ experimental/simulations and describe management techniques to analyze the impact of solutions in societal and environmental for sustainable development .

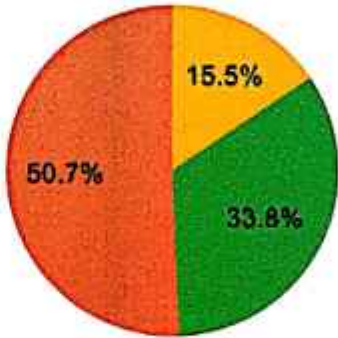
Score	No. of Students	Percentage (%)
1-Can't say	0	0
2-Hardly	0	0
3-Moderately	11	15
4-Mostly	21	30
5-Definitely	39	55
Total	71	100

Course Exit Analysis Report (Sem - VIII)

Subject- Major Project

C04. Interpret legislation, regulations, codes, and use standard norms of engineering practices to identify and understand situations of unethical professional conduct and propose ethical alternatives

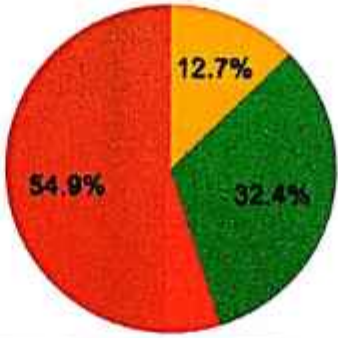
Score	No. of Students	Percentage (%)
1-Can't say	0	0
2-Hardly	0	0
3-Moderately	11	15
4-Mostly	24	34
5-Definitely	36	51
Total	71	100



- 3-Moderately
- 4-Mostly
- 5-Definitely

C05. Recognize and develop a variety of interpersonal skills to work as member of a group or leader and Produce well-constructed written engineering documents for publications and deliver effective oral presentations .

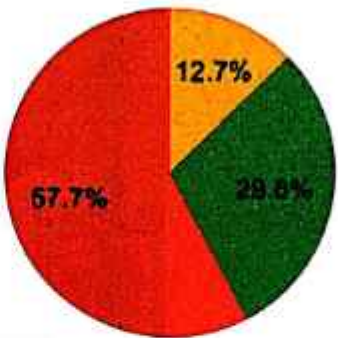
Score	No. of Students	Percentage (%)
1-Can't say	0	0
2-Hardly	0	0
3-Moderately	9	13
4-Mostly	23	32
5-Definitely	39	55
Total	71	100



- 3-Moderately
- 4-Mostly
- 5-Definitely

C06 . Describe the rationale and use project management tools to schedule project work leads to lifelong learning for continuing professional development .

Score	No. of Students	Percentage (%)
1-Can't say	0	0
2-Hardly	0	0
3-Moderately	9	13
4-Mostly	21	30
5-Definitely	41	58
Total	71	100



- 3-Moderately
- 4-Mostly
- 5-Definitely

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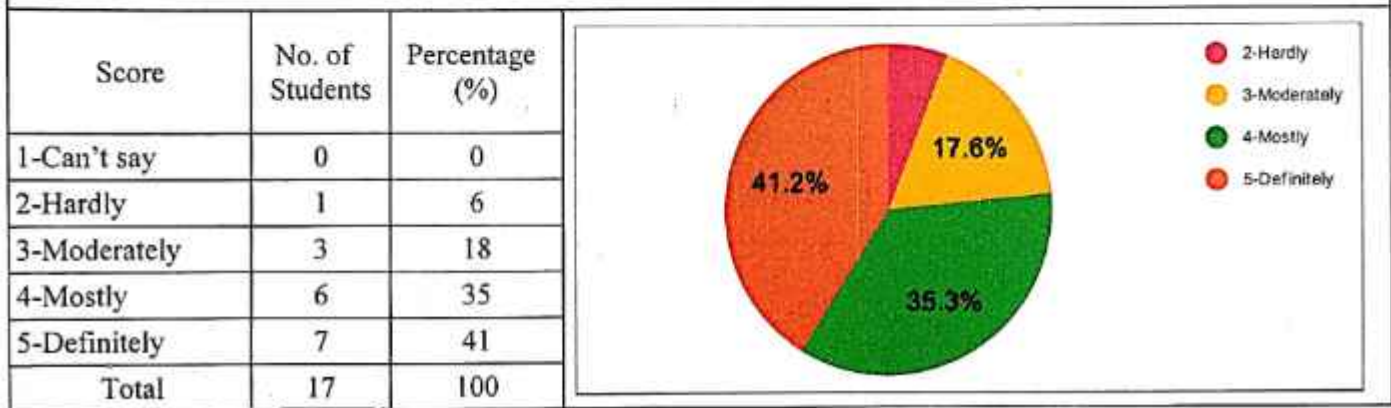
Academic Year 2023-24 (EVEN SEM)

Course Exit Analysis Report (Sem - VIII)

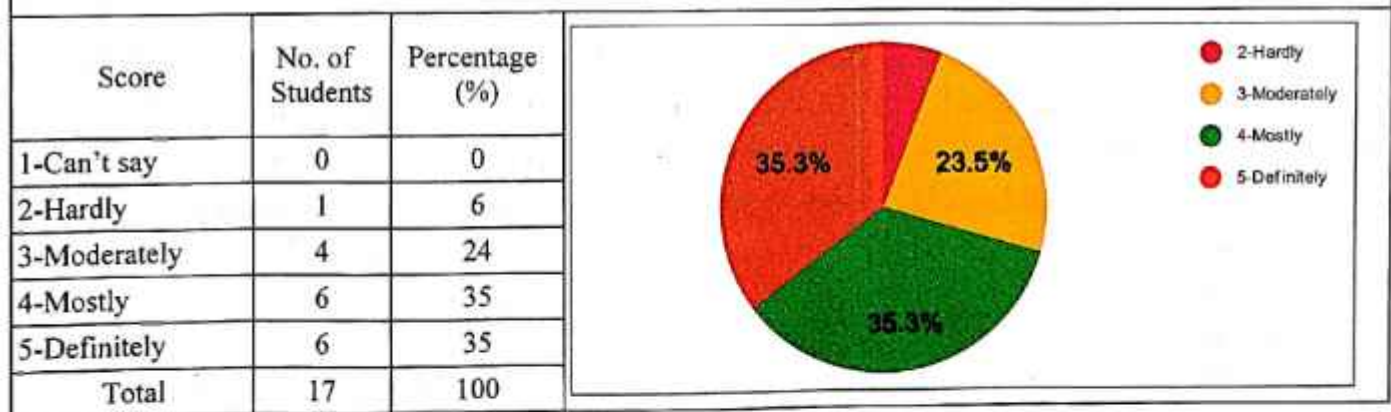
Subject- Project Management

Subject Incharge- Prof. Tarannum Shaikh

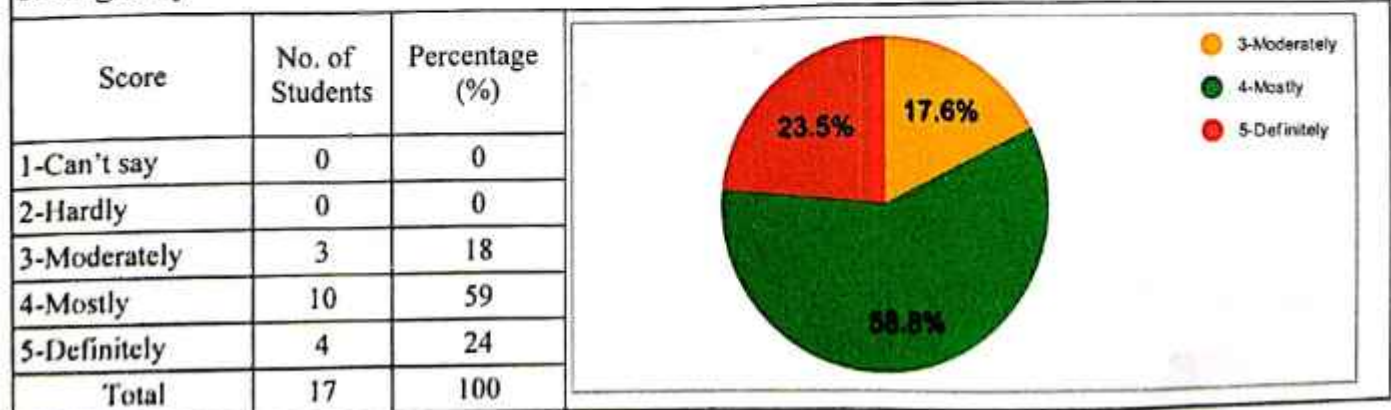
CO1: Apply selection criteria and select an appropriate project from different options.



CO2: Write work breakdown structure for a project and develop a schedule based on it.



CO3: Identify opportunities and threats to the project and decide an approach to deal with them strategically



Course Exit Analysis Report (Sem - VIII)

Subject- Project Management

CO4: Use Earned value technique and determine & predict status of the project.

Score	No. of Students	Percentage (%)
1-Can't say	0	0
2-Hardly	0	0
3-Moderately	4	24
4-Mostly	6	35
5-Definitely	7	41
Total	17	100

A pie chart illustrating the distribution of scores for CO4. The chart is divided into three segments: a yellow segment representing '3-Moderately' at 23.5%, a green segment representing '4-Mostly' at 35.3%, and an orange segment representing '5-Definitely' at 41.2%. A legend to the right of the chart identifies the colors with their respective score categories.

CO5: Capture lessons learned during project phases and document them for future reference.

Score	No. of Students	Percentage (%)
1-Can't say	0	0
2-Hardly	1	6
3-Moderately	3	18
4-Mostly	7	41
5-Definitely	6	35
Total	17	100

A pie chart illustrating the distribution of scores for CO5. The chart is divided into four segments: a pink segment representing '2-Hardly' at 6%, a yellow segment representing '3-Moderately' at 17.6%, a green segment representing '4-Mostly' at 41.2%, and an orange segment representing '5-Definitely' at 35.3%. A legend to the right of the chart identifies the colors with their respective score categories.

CO6: Learn project termination types and acknowledge the success and failures of the project.

Score	No. of Students	Percentage (%)
1-Can't say	0	0
2-Hardly	0	0
3-Moderately	2	12
4-Mostly	9	53
5-Definitely	6	35
Total	17	100

A pie chart illustrating the distribution of scores for CO6. The chart is divided into three segments: a yellow segment representing '3-Moderately' at 11.8%, a green segment representing '4-Mostly' at 52.9%, and an orange segment representing '5-Definitely' at 35.3%. A legend to the right of the chart identifies the colors with their respective score categories.

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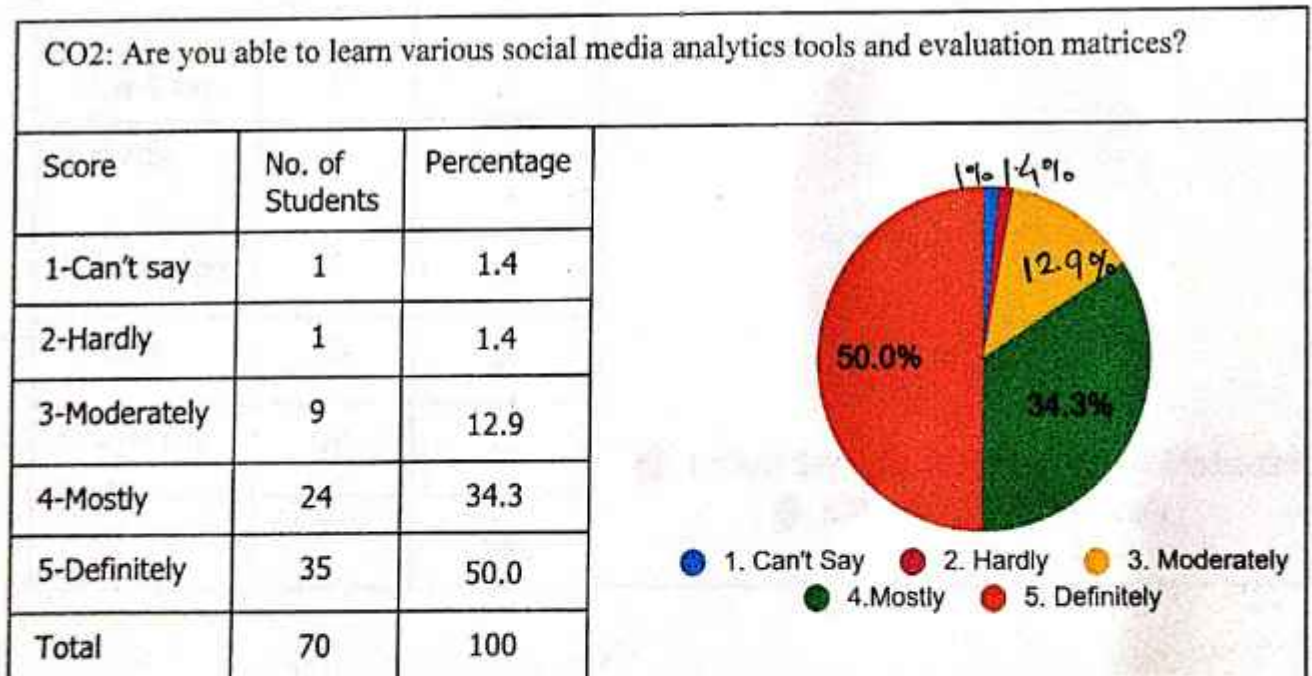
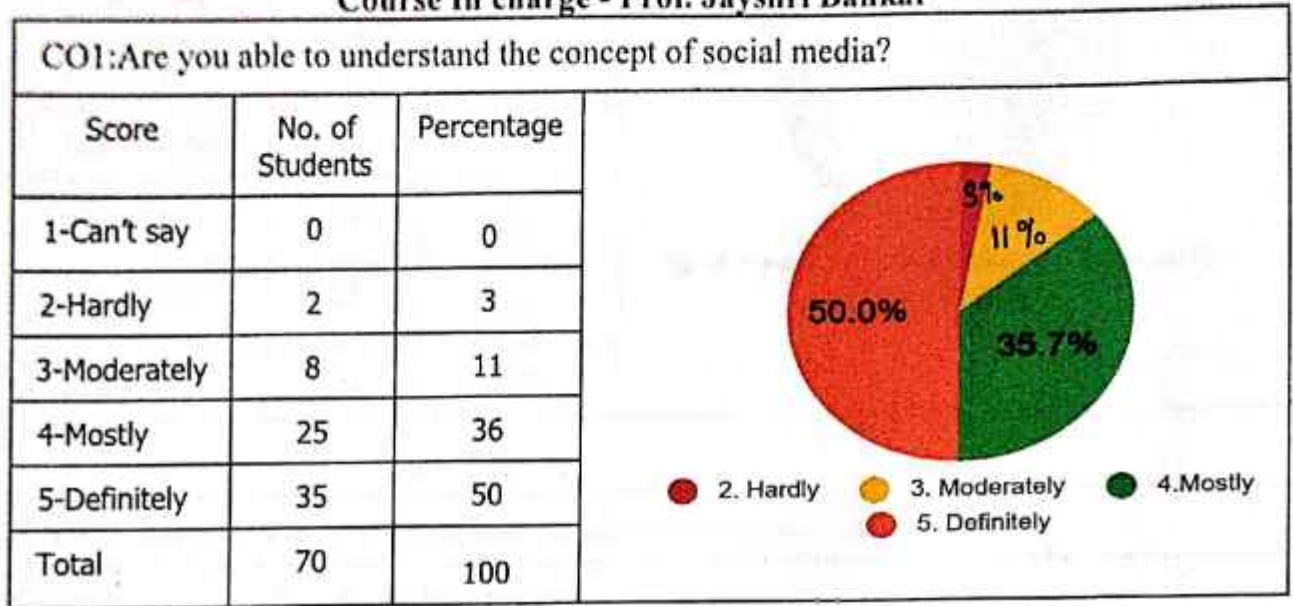
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ACADEMIC YEAR 2023-24

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING IN DATA
 SCIENCE Course Exit Analysis Report (SEM VIII)

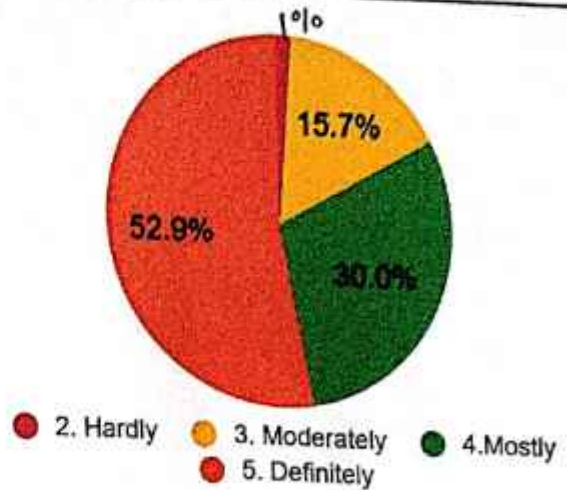
Course - Social Media Analytics (Lab)

Course In charge - Prof. Jayshri Bankar



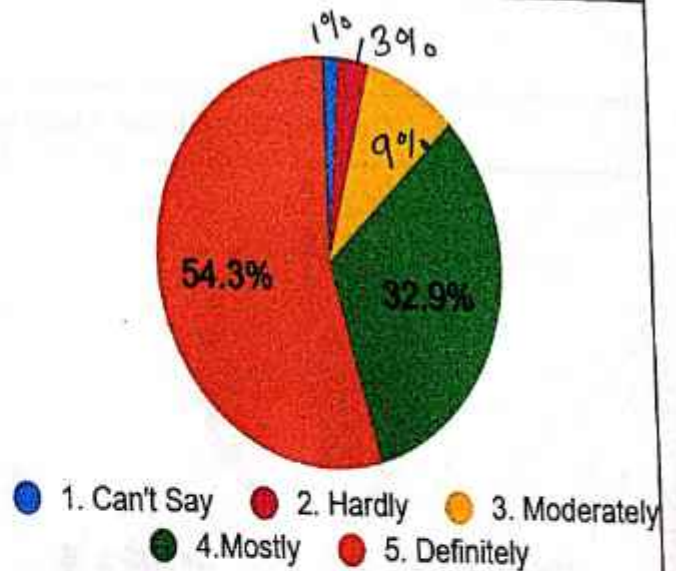
CO3: Are you able to collect and store social media data?

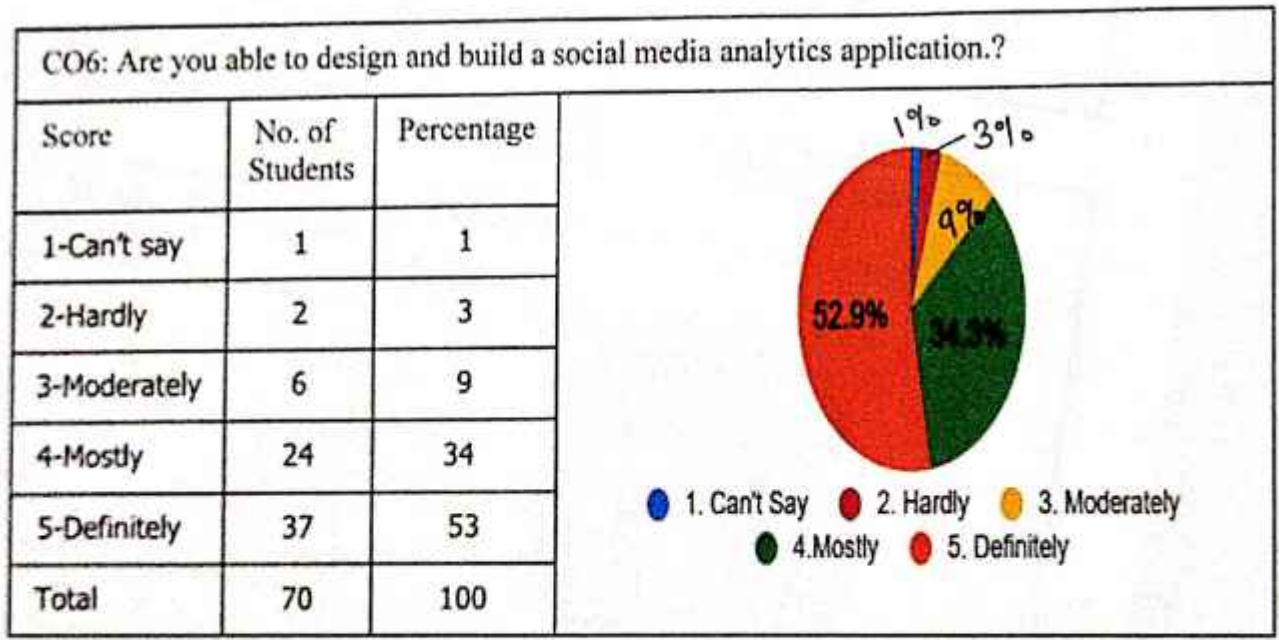
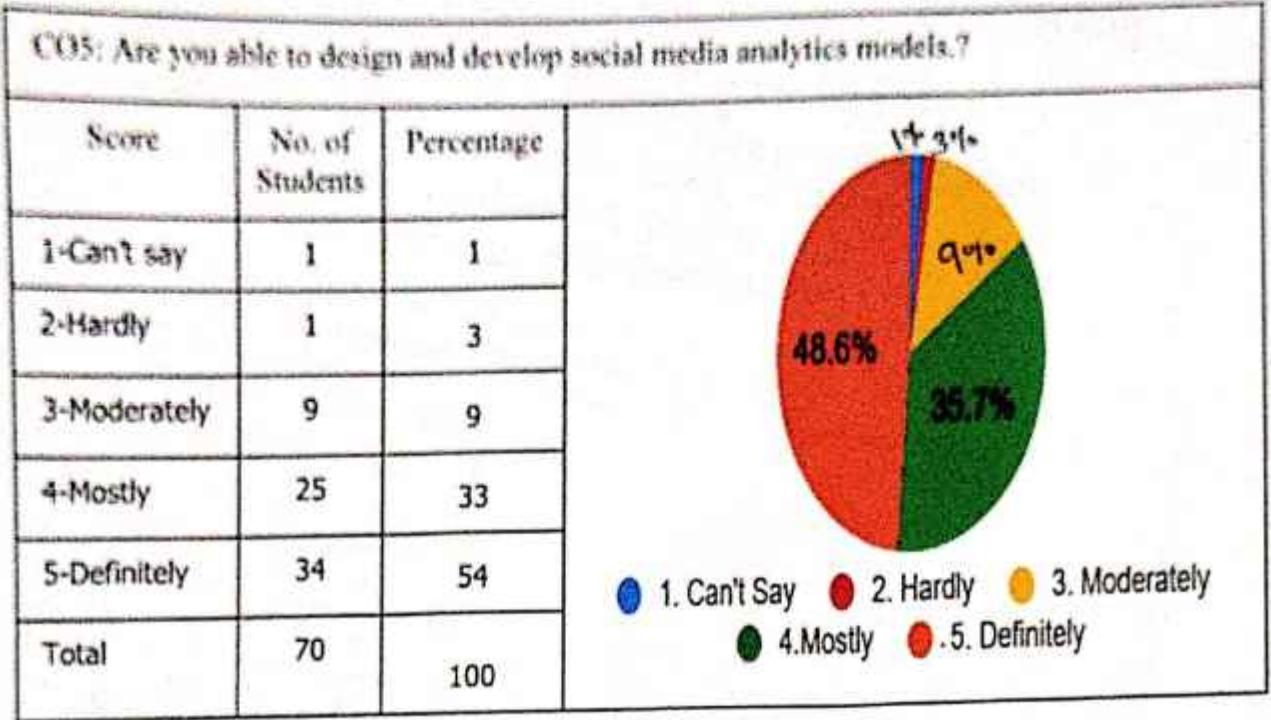
Score	No. of Students	Percentage
1-Can't say	0	0
2-Hardly	1	1
3-Moderately	11	16
4-Mostly	21	30
5-Definitely	37	53
Total	70	100



CO4: Are you able to analyze and visualize social media data?

Score	No. of Students	Percentage
1-Can't say	1	1
2-Hardly	2	3
3-Moderately	6	9
4-Mostly	23	33
5-Definitely	38	54
Total	70	100





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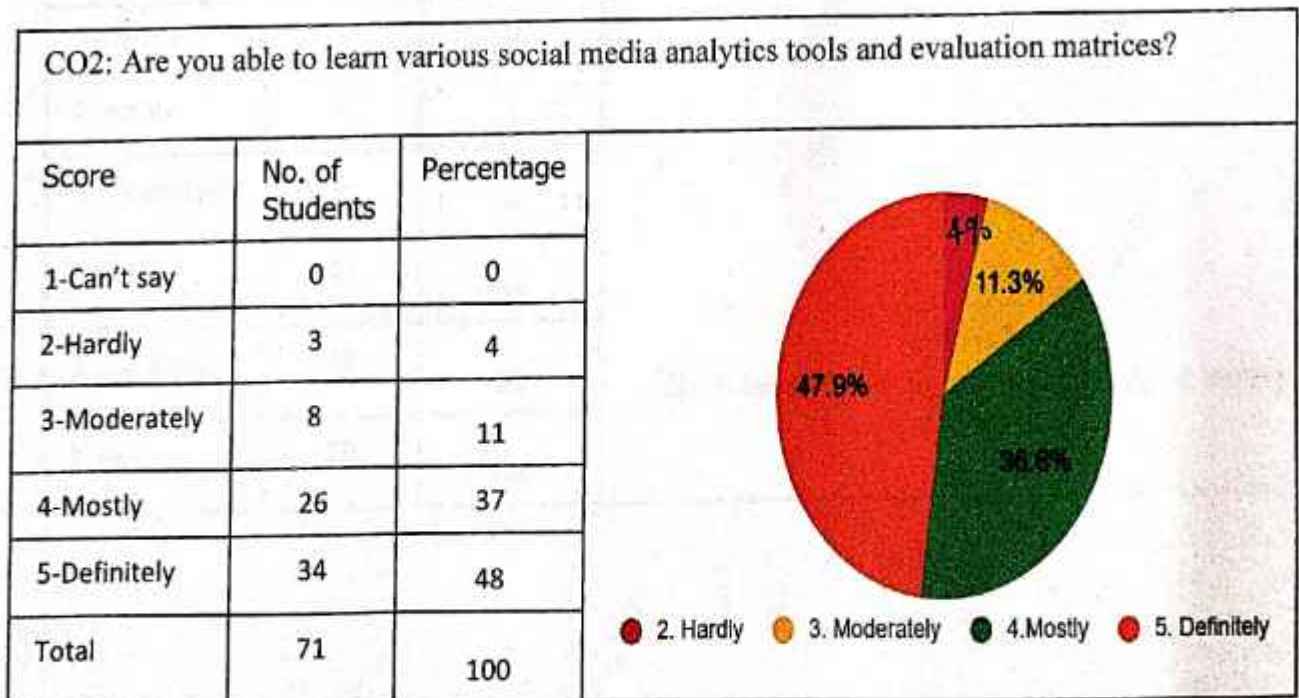
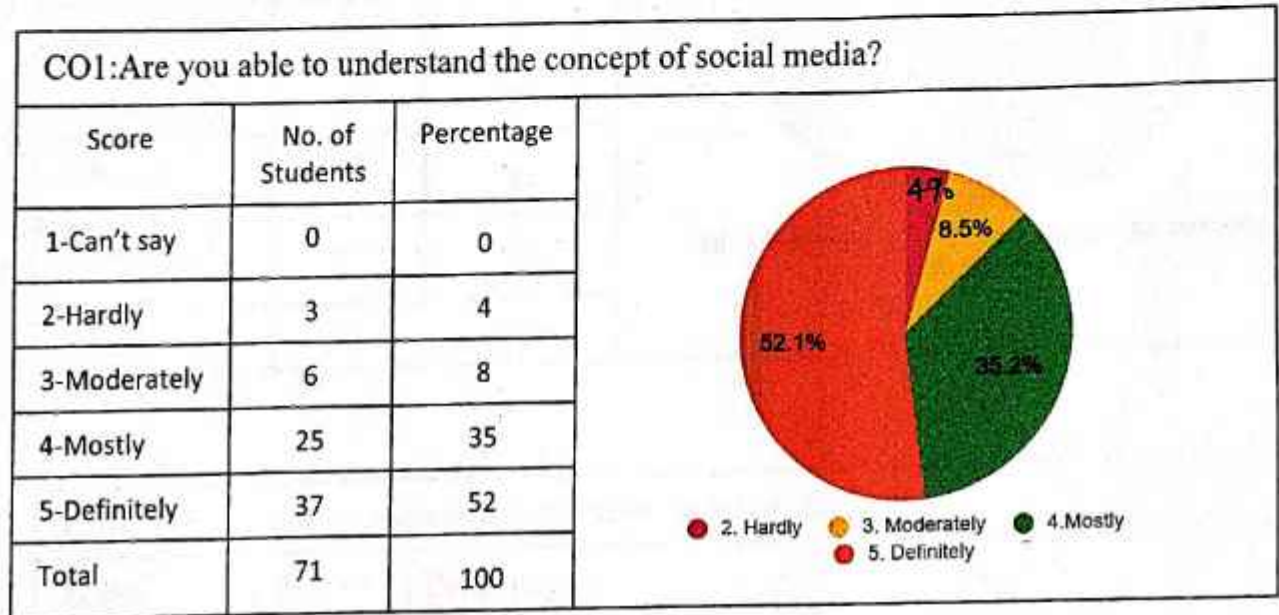
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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING IN DATA
 SCIENCE Course Exit Analysis Report (SEM VIII)

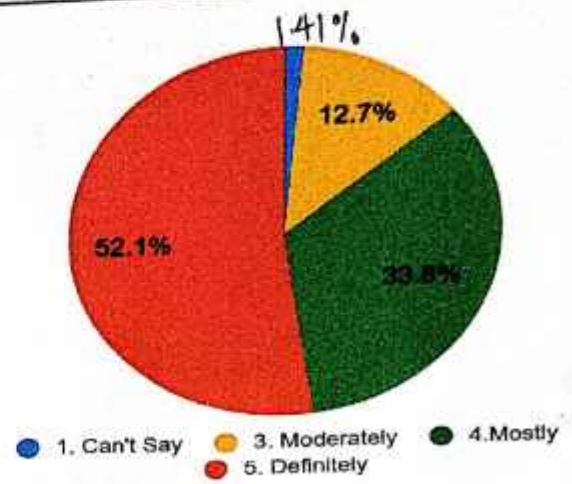
Course - Social Media Analytics (TH)

Course In charge - Prof. Jayshri Bankar



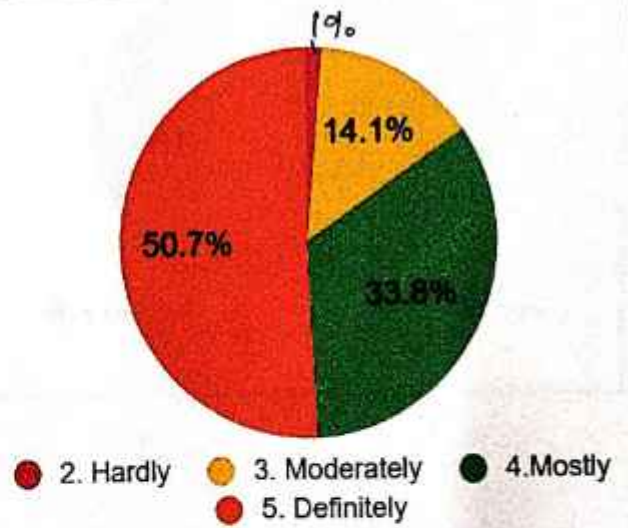
CO3: Are you able to collect and store social media data?

Score	No. of Students	Percentage
1-Can't say	1	1.41
2-Hardly	0	0
3-Moderately	9	13
4-Mostly	24	34
5-Definitely	37	52
Total	71	100



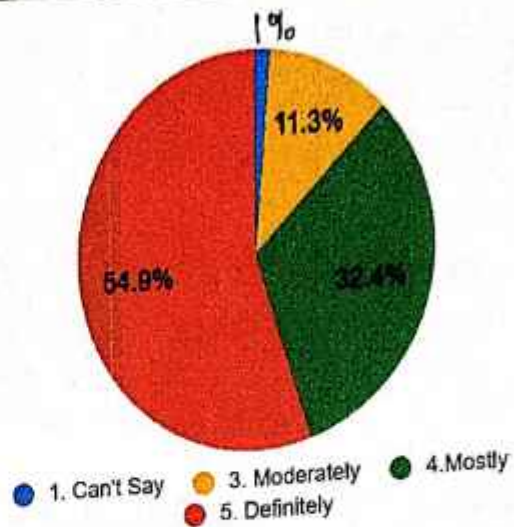
CO4: Are you able to analyze and visualize social media data?

Score	No. of Students	Percentage
1-Can't say	1	0
2-Hardly	2	1
3-Moderately	6	14
4-Mostly	23	34
5-Definitely	38	51
Total	70	100



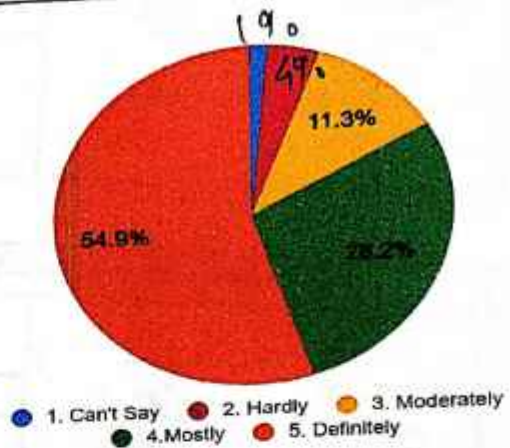
CO5: Are you able to design and develop social media analytics models.?

Score	No. of Students	Percentage
1-Can't say	1	1
2-Hardly	0	0
3-Moderately	8	11
4-Mostly	23	32
5-Definitely	39	55
Total	71	100



CO6: Are you able to design and build a social media analytics application.?

Score	No. of Students	Percentage
1-Can't say	1	1
2-Hardly	3	4
3-Moderately	8	11
4-Mostly	20	28
5-Definitely	39	55
Total	71	100



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