



SARASWATI Education Society's
SARASWATI College of Engineering

Learn Live Achieve and Contribute

Kharghar, Navi Mumbai - 410 210.

DEPARTMENT OF FIRST YEAR ENGINEERING
Action taken based on feedback from Teachers
Academic year 2022 – 2023 (SEM II)

Summary of feedback (Semester II):

All teachers of SEM I had given feedbacks for their respective subjects which were collected through Teachers Curriculum feedback forms. Those feedbacks were analysed and necessary actions were planned for effective teaching. Some suggestions obtained are as follows.

- Content provided is sufficient for most of the subjects
- More teaching hours are required for double and triple integration.
- Time given to complete the syllabus is not sufficient.
- Content provided for most subject is sufficient and also goes well with CO'S

Action Taken:

Based on suggestions, various actions are taken. Details of events organized at Institutional and Department level for betterment of student's career are mentioned below.

Sr. No.	Feedback / Suggestions	Actions Taken	Date
1	More teaching hours are required for double and triple integration.	Video lectures and notes were provided	As required
2	Time given to complete the syllabus is not sufficient.	Extra lecture was conducted via online due pandemic covid-19.	As required
3	Content provided is sufficient and also goes well with CO'S	Notes in the form of pdf s provided	As per requirement of subject


HOD


PRINCIPAL



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Kharghar, Navi Mumbai - 410 210.

Department: First year Engineering

Action Taken Report

Action taken report on Feedback received from the Students in Academic Year 2022-2023.

SEM: SEM II

Year: FE

Sr. No.	Subject	Feedback/concern	Action Taken
1	EM II	Needs more practice on Double and Triple integration.	Arranged practice session for students on Double and Triple integration.
2	EPII	Syllabus is Vast as per the total hours mentioned in the syllabus	Extra lectures were taken, shared Video with students to get the practical knowledge
3	ECII	Content provided is sufficient and also goes well with CO'S. Students Suggestion: Time given to complete the syllabus is not sufficient. Topic like Catalyst should be included in syllabus	Extra lectures, some practical's and NPTEL lectures were shown to cover the depth of the syllabus to fulfill future learning.
4	SPA	Time given to complete the syllabus is not sufficient.	Extra lectures, some practical's and introduce NPTEL Course
5	PCE-1	Students are satisfied and find the course content sufficient for learning communication.	Added workshop was taken for students for more practice on professional communication. Added application-based tasks were given to improve further on writing skills and to inculcate an ethical mode of written and oral communication.
6	EG	More Number of Sessions on AutoCAD are expected by Students.	Extra Practical's on AutoCAD were scheduled. Useful online Tutorials on AutoCAD were suggested for students.


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ACADEMIC YEAR 2022-23

DEPARTMENT OF FIRST YEAR ENGINEERING

Course Exit Analysis Report (SEM II)

Subject- EM II

Division – A,B,C,D,E

CO1: Apply the concepts of First Order and first degree Differential equation to the problems in the field of engineering.

Score	No. of Students	Percentage
1-Can't say	3	1
2-Least relevant	2	1
3-Moderately relevant	18	7
4-Relevant	106	38
5-Strongly relevant	147	53
Total	276	100

CO2: Apply the concepts of Higher Order Linear Differential equation to the engineering problems.

Score	No. of Students	Percentage
1-Can't say	2	1
2-Least relevant	3	1
3-Moderately relevant	28	10
4-Relevant	110	40
5-Strongly relevant	133	48
Total	276	100



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ACADEMIC YEAR 2022-23

DEPARTMENT OF FIRST YEAR ENGINEERING

Course Exit Analysis Report (SEM II)

CO3: Apply concepts of Beta and Gamma function to solve improper integrals.		
Score	No. of Students	Percentage
1-Can't say	2	1
2-Least relevant	8	3
3-Moderately relevant	46	17
4-Relevant	105	38
5-Strongly relevant	115	42
Total	276	100

CO4: Apply concepts of Double integral of different coordinate systems to the engineering problems like area and mass.		
Score	No. of Students	Percentage
1-Can't say	4	1
2-Least relevant	7	3
3-Moderately relevant	37	13
4-Relevant	109	39
5-Strongly relevant	119	43
Total	276	100



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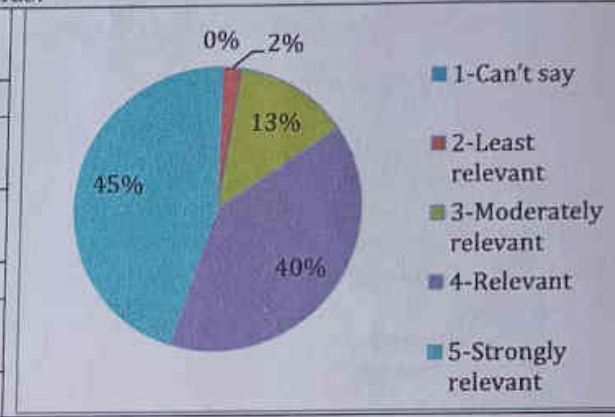
ACADEMIC YEAR 2022-23

DEPARTMENT OF FIRST YEAR ENGINEERING

Course Exit Analysis Report (SEM II)

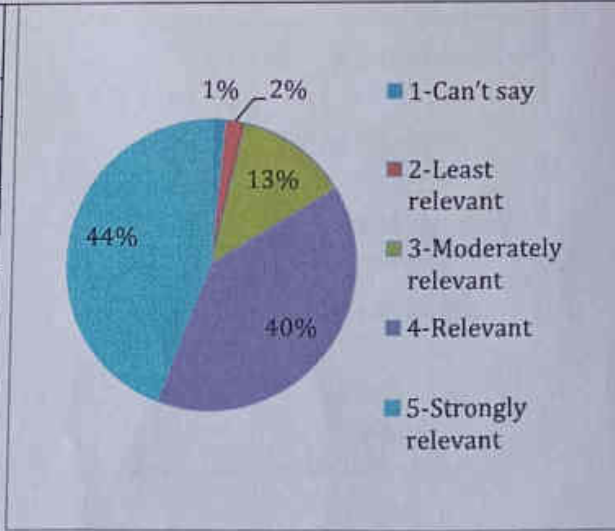
CO5: Apply concepts of triple integral of different coordinate systems to the engineering problems and problems based on volume of solids.

Score	No. of Students	Percentage
1-Can't say	1	0
2-Least relevant	6	2
3-Moderately relevant	36	13
4-Relevant	109	39
5-Strongly relevant	124	45
Total	276	100



CO6: Solve differential equations and integrations numerically using SCILAB software to experimental aspect of applied mathematics.

Score	No. of Students	Percentage
1-Can't say	4	1
2-Least relevant	6	2
3-Moderately relevant	35	13
4-Relevant	109	39
5-Strongly relevant	122	44
Total	276	100



Dr. Sayali Chandhari
 (CB)

Prof. D. Kadam
 (CC&E)

Subject Incharge

3 Vasuko Nandekar (AD)

Prof. Rodege G.R.
 (D)

HOD



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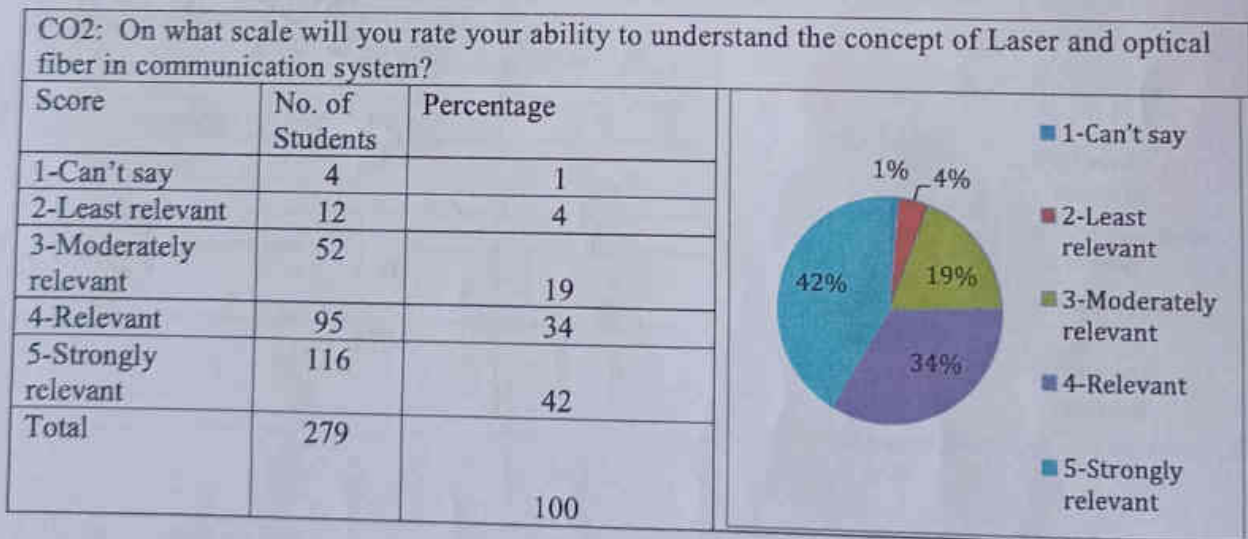
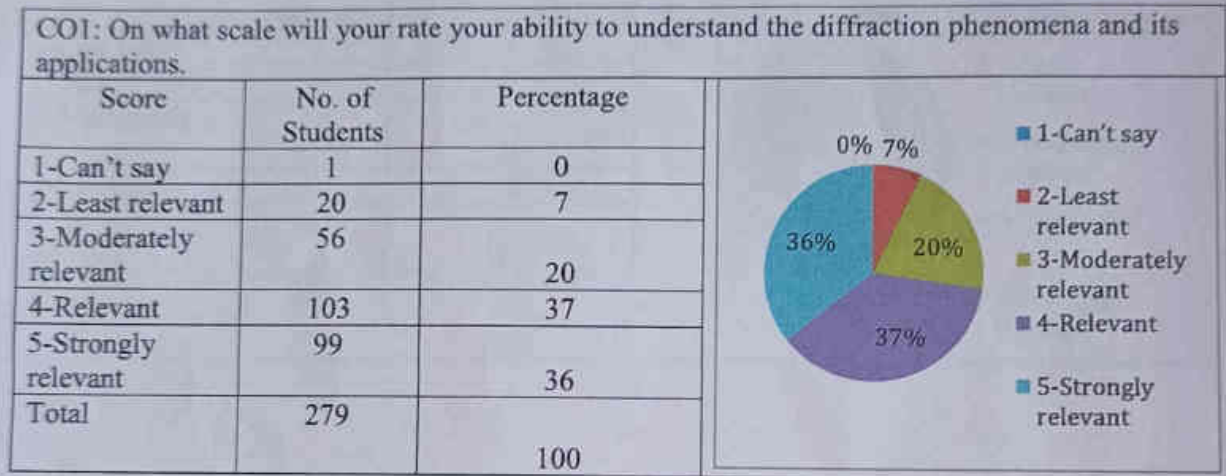
ACADEMIC YEAR 2022-23

DEPARTMENT OF FIRST YEAR ENGINEERING

Course Exit Analysis Report (SEM II)

Subject- EP II (All Division)

Subject Incharge: Dr. Pinki Narwal/Prof. Bhushan Kadam





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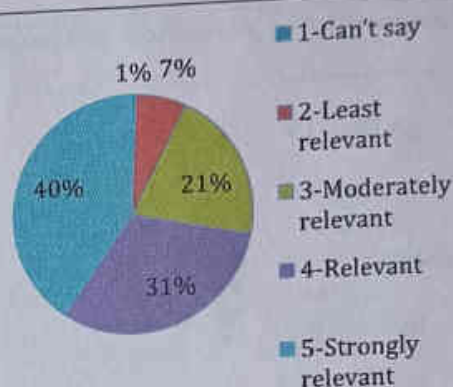
ACADEMIC YEAR 2022-23

DEPARTMENT OF FIRST YEAR ENGINEERING

Course Exit Analysis Report (SEM II)

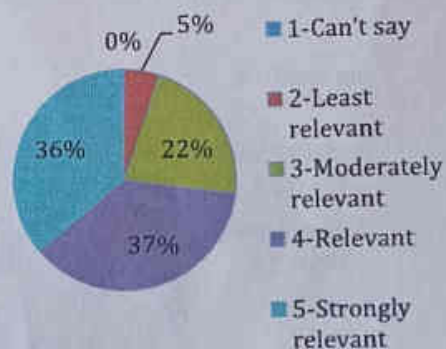
CO3: On what scale will you rate your ability to evaluate gradient, divergence and curl of any scalar/ vector field?

Score	No. of Students	Percentage
1-Can't say	2	1
2-Least relevant	19	7
3-Moderately relevant	58	21
4-Relevant	88	32
5-Strongly relevant	112	40
Total	279	100



CO4: On what scale will you rate your ability to demonstrate the knowledge and understanding of Special Relativity.

Score	No. of Students	Percentage
1-Can't say	1	0
2-Least relevant	14	5
3-Moderately relevant	61	22
4-Relevant	103	37
5-Strongly relevant	100	36
Total	279	100





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ACADEMIC YEAR 2022-23

DEPARTMENT OF FIRST YEAR ENGINEERING

Course Exit Analysis Report (SEM II)

CO5: On what scale will you rate your ability to understand the fabrication, properties and application of nanomaterials?.

Score	No. of Students	Percentage
1-Can't say	3	0
2-Least relevant	15	2
3-Moderately relevant	51	13
4-Relevant	95	39
5-Strongly relevant	115	45
Total	279	100

CO6: On what scale you will rate your ability to analyze properties of different engineering materials for their current and futuristic frontier applications.

Score	No. of Students	Percentage
1-Can't say	6	2
2-Least relevant	15	5
3-Moderately relevant	61	22
4-Relevant	92	33
5-Strongly relevant	105	38
Total	279	100

1- Prof. Bhushan Kadam [B.K.] [C, D]

Subject Incharge

MOD



Department of First Year Engineering

Academic Year: 2022-23

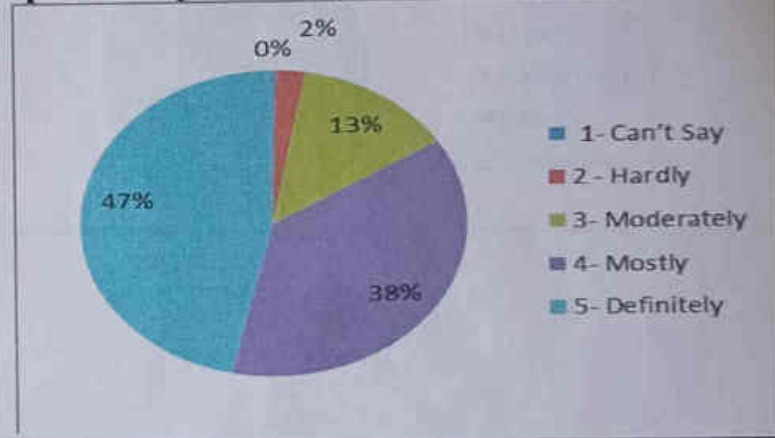
Course Exit Analysis Report (SEM II)

Subject – Engineering Chemistry- II

Subject Teacher – Dr.Sunita Pal/Dr.Sindh Tayade/Dr.Deepika Patil

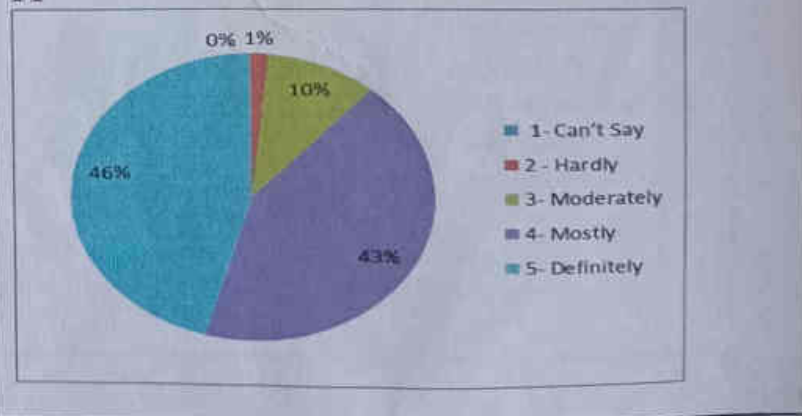
Score	No. of Students	Percentage (%)
1- Can't Say	1	.4
2 - Hardly	6	2.4
3- Moderately	34	13.4
4- Mostly	95	37.4
5- Definitely	118	46.5
Total	254	100

CO1: Distinguish the ranges of the electromagnetic spectrum used for exciting different molecular energy levels in various spectroscopic techniques



Score	No. of Students	Percentage (%)
1- Can't Say		
2 - Hardly	4	1.6
3- Moderately	25	9.8
4- Mostly	109	42.9
5- Definitely	116	45.7
Total	254	100

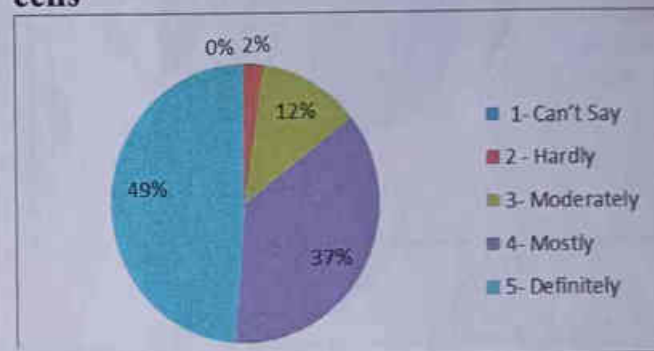
CO 2: Illustrate the concept of emission spectroscopy and describe the phenomena of fluorescence and phosphorescence in relation to IT





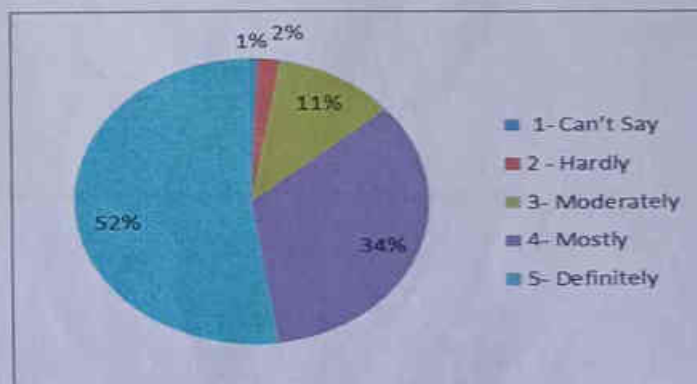
Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	6	24
3- Moderately	31	12.2
4- Mostly	93	36.6
5- Definitely	124	48.8
Total	254	100

CO3: Explain the concept of electrode potential and Nernst theory and relate it to electrochemical cells



Score	No. of Students	Percentage (%)
1- Can't Say	2	.8
2 - Hardly	5	2
3- Moderately	28	11
4- Mostly	86	33.9
5- Definitely	133	52.4
Total	254	100

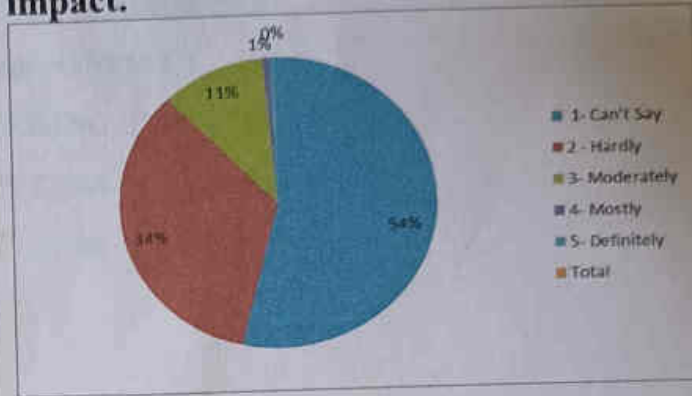
CO4: Identify different types of corrosion and suggest control measures in industries





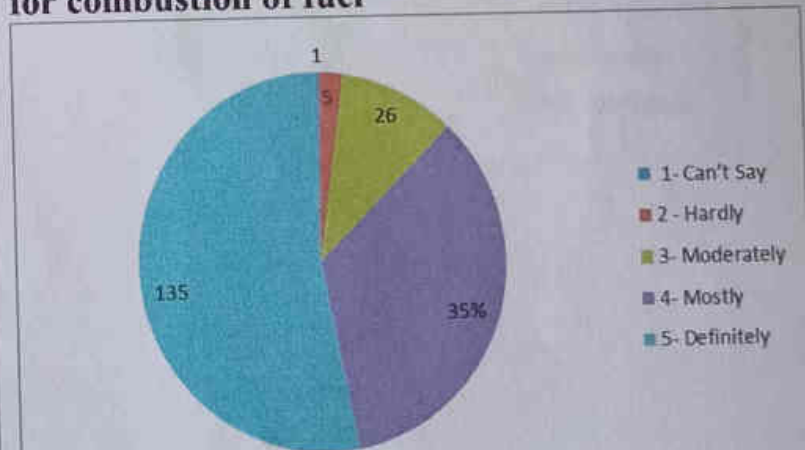
Score	No. of Students	Percentage (%)
1- Can't Say	1	0.4
2 - Hardly	2	0.8
3- Moderately	27	10.6
4- Mostly	87	34.3
5- Definitely	137	53.1
Total	254	100

CO5: Illustrate the principles of green chemistry and study environmental impact.



Score	No. of Students	Percentage (%)
1- Can't Say	1	.8
2 - Hardly	5	2
3- Moderately	26	10.2
4- Mostly	88	34.6
5- Definitely	135	53.1
Total	254	100

CO6: Explain the knowledge of determining the quality of fuel and quantify the oxygen required for combustion of fuel



[Signature]
 Sub-charge
 A & B

[Signature]
 Dr. Anshu Tayade
 Div C & D

[Signature]
 HOD



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Department of Automobile Engineering

Academic Year: 2022-23 Course Exit

Analysis Report (SEM II)

Subject: ENGINEERING GRAPHICS

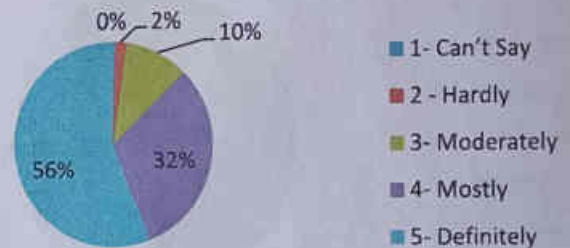
Subject In-charge: Prof. Sandeep B Jadhav,

Prof. Amol Bhagat, Prof. Sandeep Biramane

[CO1 -To understand the application of various drawing instruments and basic rules of engineering drawing]

Score	No. of Students	Percentage
1- Can't Say	1	1
2 - Hardly	5	2
3- Moderately	27	10
4- Mostly	82	31
5- Definitely	146	56
Total	264	100

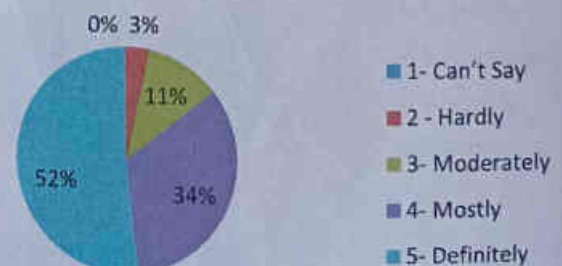
[CO1 -To understand the application of various drawing instruments and basic rules of engineering drawing] Percentage of Students



[CO2 -To impart and inculcate proper understanding of the theory of projection]

Score	No. of Students	Percentage
1- Can't Say	0	1
2 - Hardly	9	2
3- Moderately	29	10
4- Mostly	88	31
5- Definitely	135	56
Total	264	100

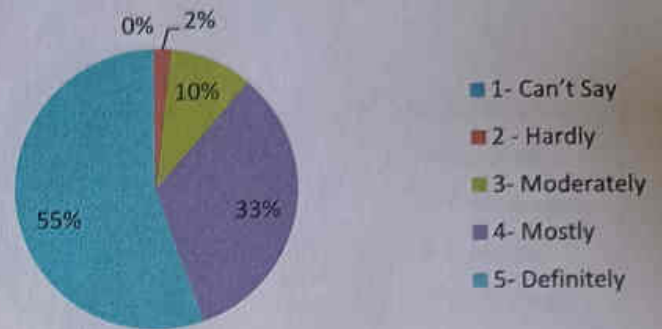
[CO2 -To impart and inculcate proper understanding of the theory of projection] Percentage of Students



[CO3-To impart the knowledge of reading Engineering Drawing]

Score	No. of Students	Percentage
1- Can't Say	0	1
2 - Hardly	5	2
3- Moderately	25	10
4- Mostly	87	31
5- Definitely	145	56
Total	264	100

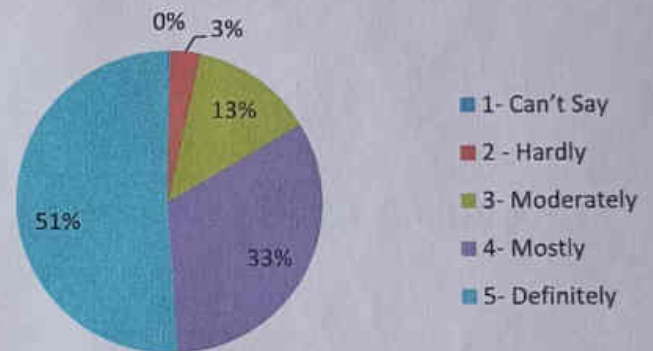
[CO3-To impart the knowledge of reading Engineering Drawing] Percentage of Students



[CO4-To Improve the visualizations]

Score	No. of Students	Percentage
1- Can't Say	1	1
2 - Hardly	8	2
3- Moderately	34	10
4- Mostly	85	31
5- Definitely	132	56
Total	264	100

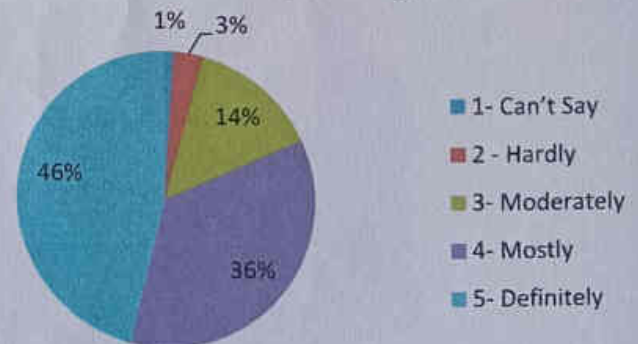
[CO4-To Improve the visualizations] Percentage of Students



[CO5-To impart the Knowledge visualization of sections of standard Solids]

Score	No. of Students	Percentage
1- Can't Say	3	1
2 - Hardly	8	2
3- Moderately	37	10
4- Mostly	93	31
5- Definitely	121	56
Total	264	100

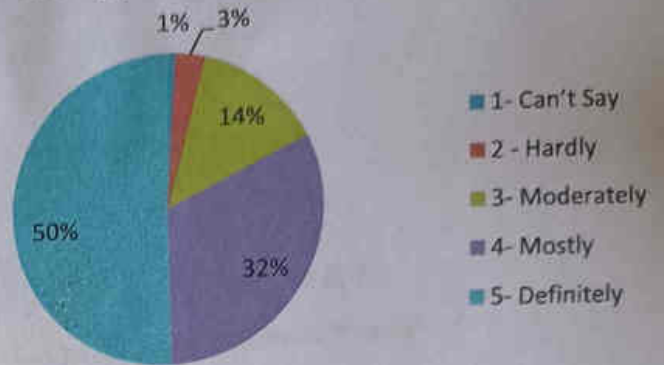
[CO5-To impart the Knowledge visualization of sections of standard Solids] Percentage of Students




[CO6-To Teach basic utility of Computer Aided Drawing (CAD) tools]


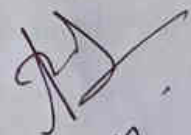
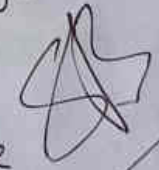
Score	No. of Students	Percentage
1- Can't Say	2	1
2 - Hardly	8	2
3- Moderately	36	10
4- Mostly	83	31
5- Definitely	132	56
Total	264	100

[CO6-To Teach basic utility of Computer Aided Drawing (CAD) tools] percentage of Students




(H O D)

(P r i n c i p a l)

1. 
(Sandeep Jadhav)
2. Prof. Amol Bhagat 
3. Prof. Sandeep Biramane 



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Kharghar, Navi Mumbai - 410 210.

Department of First Year Engineering
Academic Year: 2022-23

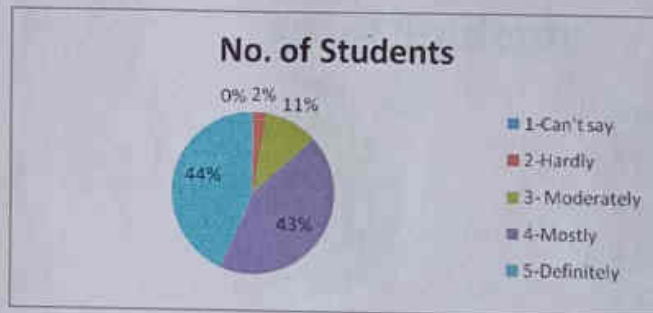
Course Exit Analysis Report (SEM II)

Subject – Professional Communication & Ethics I (DIV A, B, C, D & E)

Subject Teacher – Prof. Sima Singh, Dr. Neha Sharma, Prof. Poonam Pandey.

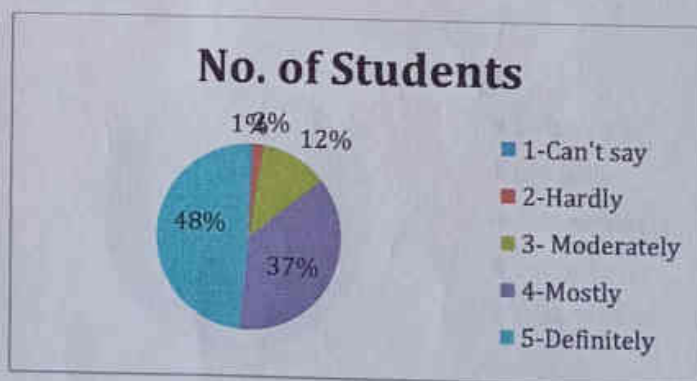
CO-1: Eliminate barriers and use non verbal communication effectively.

Score	No. of Students	Percentage (%)
1-Can't say	0	0
2-Hardly	7	2.4
3-Moderately	29	10.7
4-Mostly	117	43.0
5-Definitely	119	43.9
Total	272	100



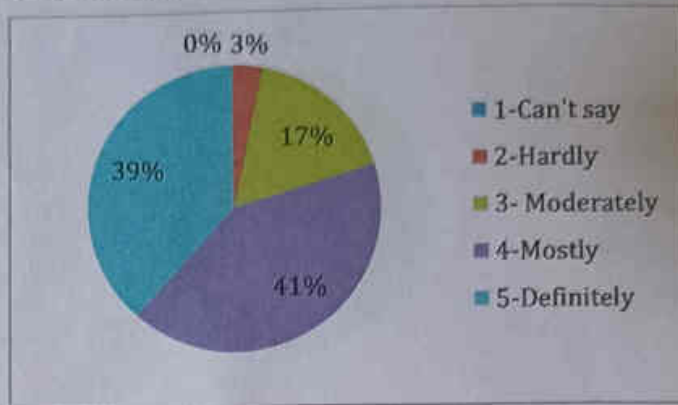
CO-2: Understand vocabulary, grammar and pronunciation using listening skills.

Score	No. of Students	Percentage (%)
1-Can't say	2	0.7
2-Hardly	5	1.8
3-Moderately	32	11.8
4-Mostly	101	37.1
5-Definitely	132	48.5
Total	272	100



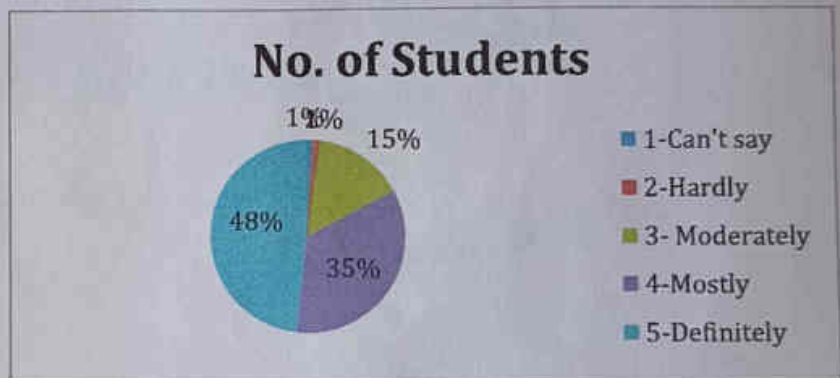
CO3: Speak effectively at social, academic and business situations

Score	No. of Students	Percentage (%)
1-Can't say	0	0
2-Hardly	9	3.3
3-Moderately	46	16.9
4-Mostly	112	41.2
5-Definitely	104	38.2
Total	271	100



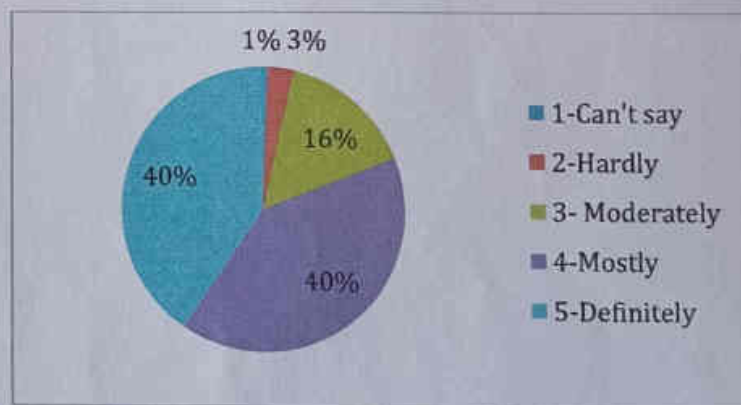
CO-4: Use reading strategies in your day to day life.

Score	No. of Students	Percentage (%)
1-Can't say	3	1.1
2-Hardly	3	1.1
3-Moderately	41	15.1
4-Mostly	94	34.6
5-Definitely	131	48.2
Total	272	100



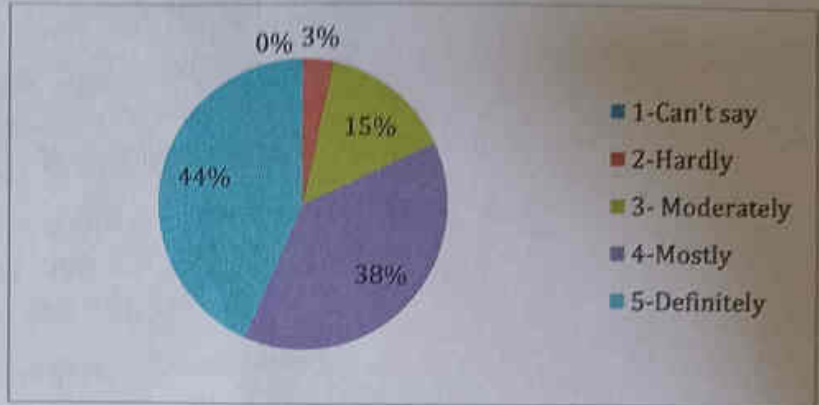
CO-5: Draft all types of letters and documents.

Score	No. of Students	Percentage (%)
1-Can't say	2	0.7
2-Hardly	8	2.9
3-Moderately	42	15.4
4-Mostly	110	40.4
5-Definitely	110	40.4
Total	272	100



CO-6: Interact with people in all kinds of settings.

Score	No. of Students	Percentage (%)
1-Can't say	0	0
2-Hardly	9	3.3
3-Moderately	40	14.7
4-Mostly	104	38.2
5-Definitely	118	43.4
Total	271	100



1. Prof. Sima Singh (Div ADE) Mhamud Singh
2. Prof. Poonam Pandey Poonam Pandey
19.6.2023
Division 'B' & 'C'

SS
HOD FE



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Kharehar, Navi Mumbai - 410 210.

NAAC A+ Accredited

Department of First Year Engineering
 Academic Year: 2022-2023(EVEN SEM)

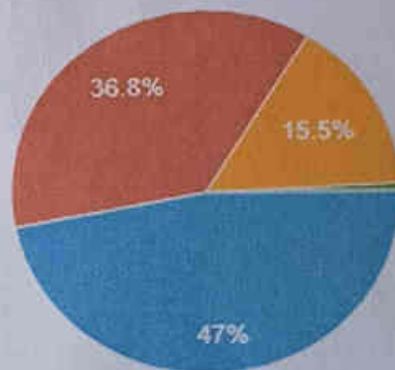
Course Exit Analysis Report (SemII)

Subject: C Programming

Subject In-charge: Prof. Namrata Arya

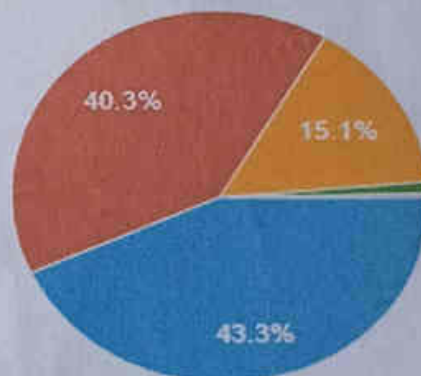
1. Have you formulate simple algorithms for arithmetic ,logical problems and translate them to programs in c language.

Score	No.Of Student	Percentage
1.Can't Say	00	0
2.Hardly	02	0.7
3.Moderatly	45	15.5
4.Mostly	112	36.8
5.Definitely	143	47
Total	302	100



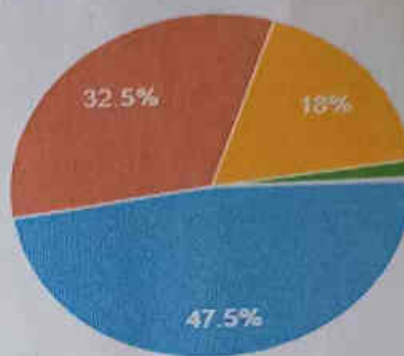
2. Are you able to Implement,test,and execute programs comprising of control structure .

Score	No.Of Student	Percentage
1.Can't Say	00	00
2.Hardly	01	1
3.Moderatly	46	15.1
4.Mostly	123	40.3
5.Definitely	132	43.3
Total	302	100



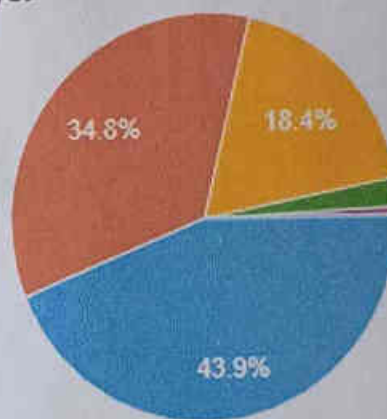
3. Are you able to Demonstrate a problem into functions and synthesize a complete program

Score	No.Of Student	Percentage
1.Can't Say	00	00
2.Hardly	03	1.6
3.Moderatly	55	18
4.Mostly	99	32.5
5.Definitely	145	47.5
Total	302	100



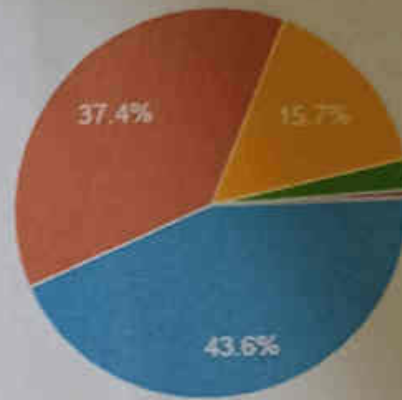
4.Are you able to Demonstrate the use of arrays.

Score	No.Of Student	Percentage
1.Can't Say	02	0.7
2.Hardly	07	2.3
3.Moderatly	55	18.4
4.Mostly	106	34.8
5.Definitely	132	43.9
Total	302	100



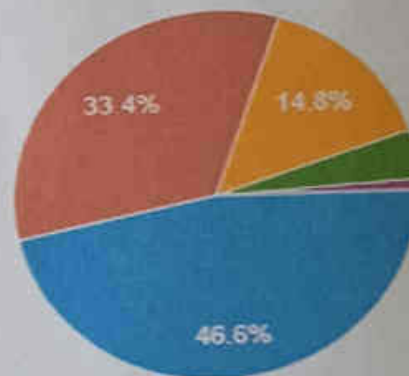
5. Are you able to apply and analyse concepts of c fundamentals ,expression,statements

Score	No.Of Student	Percentage
1.Can't Say	02	0.7
2.Hardly	08	2.6
3.Moderatly	48	15.7
4.Mostly	112	37.4
5.Definitely	132	43.6
Total	302	100



6. Are you able to use different Data structures.

Score	No.Of Student	Percentage
1.Can't Say	03	1
2.Hardly	13	4.3
3.Moderatly	44	14.8
4.Mostly	100	33.4
5.Definitely	142	46.6
Total	302	100



Head Of Department
Prof. Sayali Chaudhary

Subject Incharge
Prof. Namrata Arya



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DEPARTMENT OF FIRST YEAR ENGINEERING
Action taken based on feedback from students
Academic year 2022 - 2023 (SEM I)

Summary of feedback (Semester I):

All students of SEM I had given feedbacks for all the subjects which were collected through course exit forms. Those feedbacks were analysed and necessary actions were planned for effective teaching. Some suggestions obtained from the students are as follows.

- Content provided is sufficient for most of the subjects
- More sessions required for partial differentiation for EM
- Syllabus is vast difficult to complete in given time

Action Taken:

Based on suggestions, various actions are taken. Details of events organized at Institutional and Department level for betterment of student's career are mentioned below.

Sr. No.	Feedback / Suggestions	Actions Taken	Date
1	More Problem solving sessions required for partial differentiation for EM	video lectures were provided for that topics	As required
2	Need more practice for Chemistry and Physics	Numerical PDF given to students	During lecture session
3	Syllabus is vast difficult to complete in given time	Extra lecture taken and notes are given	As per requirement of subject

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Action Taken Report

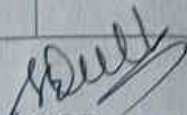
**Action taken report on Feedback received from the Students in Academic
Academic Year 2022-2023**

Department of First Year Engineering

SEM: I

Year: FE

1	EM I	Students are satisfied with syllabus content.	Application based video provided for some topics https://youtu.be/HiOFurV3h94
2	EP I	The syllabus is very length but students are satisfied with all the contents of syllabus.	Students were provided notes in pdf form and they find these sufficient.
3	EC I	Content provided is sufficient and also goes well with CO'S. Students Suggestion: Time given to complete the syllabus is not sufficient.	Extra lectures, some practical's and NPTEL lectures were shown to cover the depth of the syllabus to fulfill are learning.
4	BEE	Content provided in syllabus is vast but interesting and satisfied with all course objectives	Conducted extra lectures, and doubt solving sessions.
5	EM	More Problem solving sessions required for partial differentiation.	video lectures were provided for that topics D' ALEMBERT'S PRINCIPLE By Sandeep Jadhav


HOD


Principal



Department of First Year Engineering

Academic Year: 2022-2023

Course Exit Analysis Report (SEM I)

Subject – Engineering Mathematics I

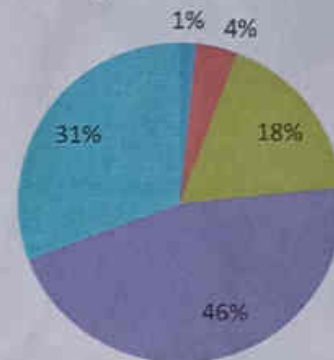
Subject Teacher – Dr.Sayali Choudhari, Prof. D.S.Kadam,

Prof.Vasudev N., Prof. Rodge G.R.

CO1. Identify and apply the concept of complex number to solve engineering problems

CO1. Identify and apply the concept of complex number to solve engineering problems.

Score	No. of Students	Percentage (%)
1-Can't say	5	1.67
2-Least relevant	12	4
3-Moderately relevant	53	17.67
4-Relevant	138	46
5-Strongly relevant	92	30.67
Total	300	100

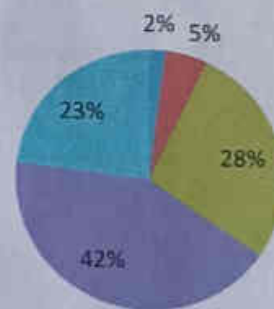


■ 1-Can't say ■ 2-Least relevant
 ■ 3-Moderately relevant ■ 4-Relevant
 ■ 5-Strongly relevant

CO2. Illustrate the solution for different complex function and extend the appropriate technique for solving the real life problem

CO2. Illustrate the solution for different complex function and extend the appropriate technique for solving the real life problem

Score	No. of Students	Percentage (%)
1-Can't say	6	2.00
2-Least relevant	15	5
3-Moderately relevant	83	27.67
4-Relevant	127	42.33
5-Strongly relevant	69	23.00
Total	300	100



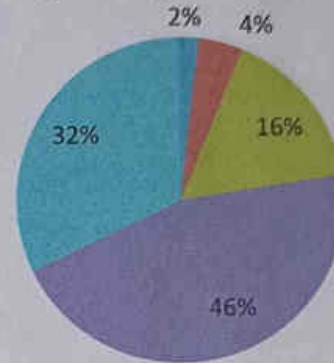
■ 1-Can't say ■ 2-Least relevant
 ■ 3-Moderately relevant ■ 4-Relevant
 ■ 5-Strongly relevant



CO3. Deal with partial derivatives and analyses the principles of partial derivatives to engineering problems.

Score	No. of Students	Percentage (%)
1-Can't say	6	2.00
2-Least relevant	13	4.33
3-Moderately relevant	49	16.33
4-Relevant	136	45.33
5-Strongly relevant	96	32.00
Total	300	100

CO3. Deal with partial derivatives and analyses the principles of partial derivatives to engineering problems.



■ 1-Can't say ■ 2-Least relevant
 ■ 3-Moderately relevant ■ 4-Relevant
 ■ 5-Strongly relevant

CO4. Classify maxima and minima of function and apply the knowledge in engineering as well as day to day problems

Score	No. of Students	Percentage (%)
1-Can't say	10	3.3
2-Least relevant	13	4.3
3-Moderately relevant	65	21.7
4-Relevant	124	41.3
5-Strongly relevant	88	29.3
Total	300	100

CO4. Classify maxima and minima of function and apply the knowledge in engineering as well as day to day problems



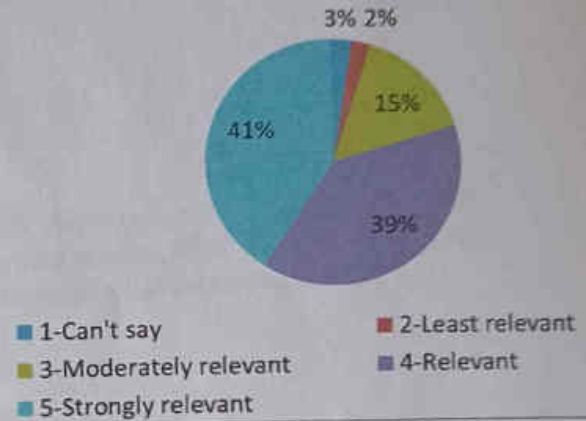
■ 1-Can't say ■ 2-Least relevant
 ■ 3-Moderately relevant ■ 4-Relevant
 ■ 5-Strongly relevant



CO5. Use the knowledge of matrices for finding rank and consistency of equation and apply it for coding and decoding of message.

Score	No. of Students	Percentage (%)
1-Can't say	8	2.67
2-Least relevant	7	2.33
3-Moderately relevant	46	15.33
4-Relevant	117	39
5-Strongly relevant	122	40.67
Total	300	100

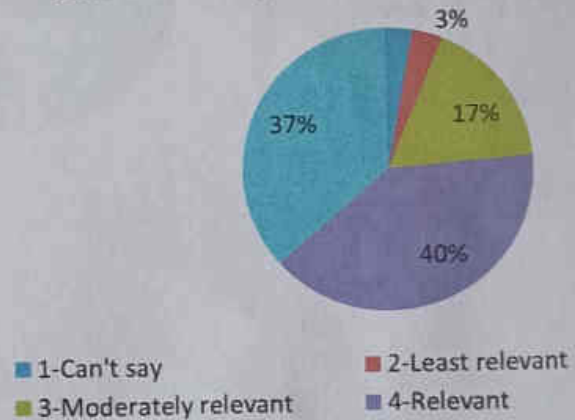
CO5. Use the knowledge of matrices for finding rank and consistency of equation and apply it for coding and decoding of message.



CO6. Understand the theoretical working of numerical techniques with the help of Sci-lab

Score	No. of Students	Percentage (%)
1-Can't say	9	3.00
2-Least relevant	10	3.33
3-Moderately relevant	52	17.33
4-Relevant	120	40
5-Strongly relevant	109	36.33
Total	300	100

CO6. Understand the theoretical working of numerical techniques with the help of Sci-lab



- 1) Dr. Sayali Chondhavi (B)
- 2) Prof. Dnyaneshwar Kadam (C)
- 3) Prof. Ganesh Rode (D)
- 4) Prof. Vasudev. Nazirkar (A)

Subject In charge

HOD



Department of First Year Engineering

Academic Year: 2022-2023

Course Exit Analysis Report (SEM I)

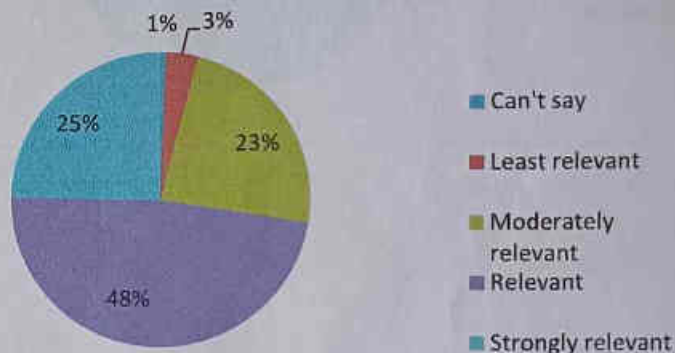
Subject – Engineering Physics I

Subject Incharge – Dr. Pinki Narwal/Prof. Sarita Kale

CO1. On what scale will you rate your ability to understand the concept like wave particle duality, de Broglie's hypothesis, Heisenberg's uncertainty principle, time dependent/independent SWE.

Score	No. of Students	Percentage (%)
1-Can't say	2	1
2-Least relevant	10	3
3-Moderately relevant	69	23
4-Relevant	141	48
5-Strongly relevant	72	25
Total	294	100

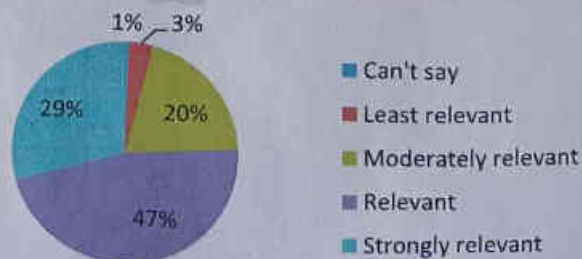
CO1. On what scale will you rate your ability to understand concept like wave particle duality, de Broglie's hypothesis, HUP, time dependent/independent SWE.



CO 2: On what scale will you rate your ability to understand the concept of Miller indices of crystallographic planes and directions alongwith X-Ray diffraction technique to analyze different crystal structures.

Score	No. of Students	Percentage (%)
1-Can't say	2	1
2-Least relevant	10	3
3-Moderately relevant	59	20
4-Relevant	137	47
5-Strongly relevant	86	29
Total	294	100

CO2. On what scale will you rate your ability to understand the concept of Miller indices of crystallographic planes and directions alongwith X-Ray diffraction technique to analyze different crystal structures.

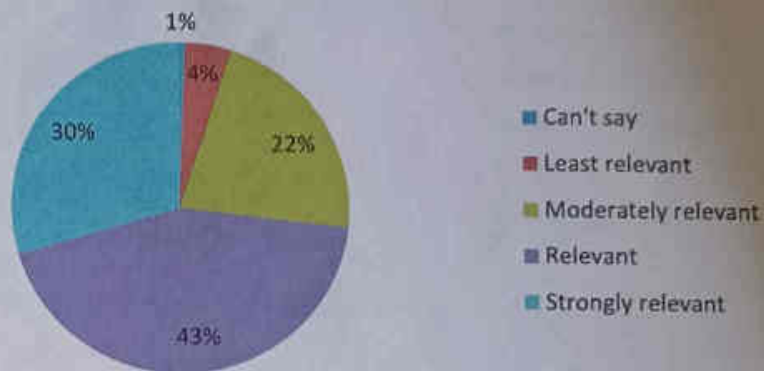




CO 3: On what scale will you rate your ability to Correlate the real life application of semiconductors in electronic devices as well as to comprehend the concept of fermi energy level in semiconductors.

Score	No. of Students	Percentage (%)
1-Can't say	2	1
2-Least relevant	13	4
3-Moderately relevant	64	22
4-Relevant	128	43
5-Strongly relevant	87	30
Total	294	100

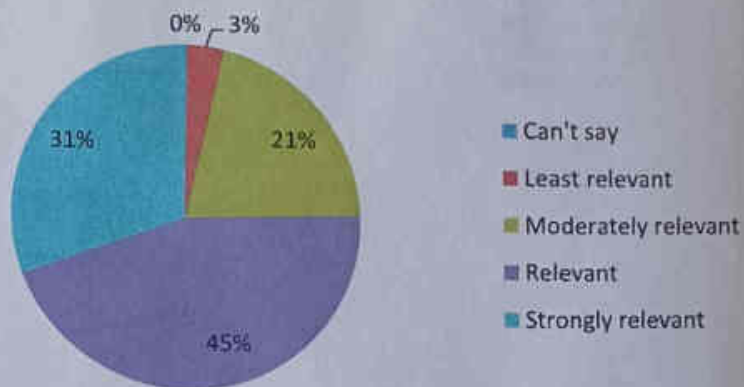
CO3. On what scale will you rate your ability to Correlate the real life application of semiconductors in electronic devices as well as to comprehend the concept of fermi energy level in semiconductors.



CO 4: On what scale will you rate your ability to concept of interference in thin films.

Score	No. of Students	Percentage (%)
1-Can't say	1	0
2-Least relevant	10	3
3-Moderately relevant	61	21
4-Relevant	132	45
5-Strongly relevant	90	31
Total	294	100

CO4. On what scale will you rate your ability to concept of interference in thin films

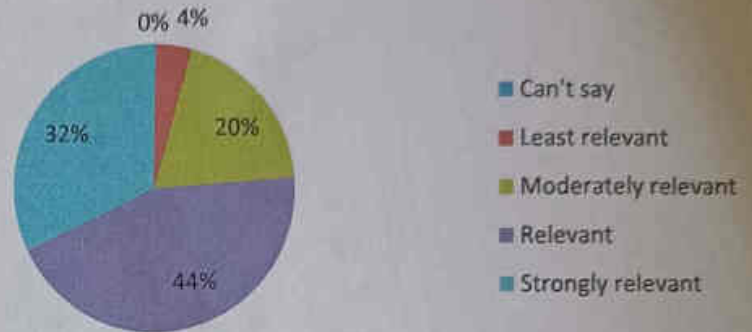




CO 5: On what scale will you rate your ability to understand different properties of Superconductors as well as Supercapacitors and to apply them in novel applications.

Score	No. of Students	Percentage (%)
1-Can't say	1	0
2-Least relevant	12	4
3-Moderately relevant	57	20
4-Relevant	130	44
5-Strongly relevant	94	32
Total	294	100

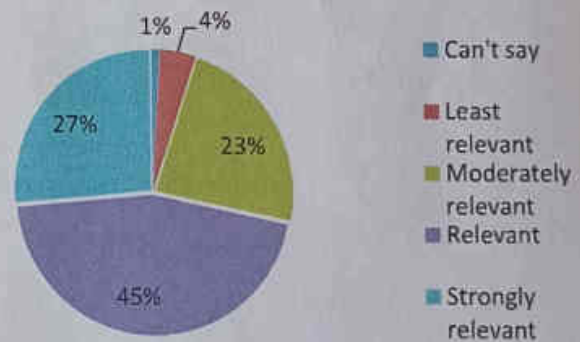
CO5. On what scale will you rate your ability to understand different properties of Superconductors as well as Supercapacitors and to apply them in novel applications.



CO 6: On what scale you will rate your ability to analyse properties of different engineering materials for their current and futuristic frontier applications.

Score	No. of Students	Percentage (%)
1-Can't say	3	1
2-Least relevant	12	4
3-Moderately relevant	68	23
4-Relevant	133	45
5-Strongly relevant	78	27
Total	294	100

CO6. On what scale you will rate your ability to Analyze properties of different engineering materials for their current and futuristic frontier applications.



1. Dr. Pinki Narwal *Pinki* (A, B, C)
 2. Prof. Sarita Kale *(Dr. Coir D)*

Subject Incharge


 HOD



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ACADEMIC YEAR 2022-23

DEPARTMENT OF FIRST YEAR ENGINEERING

Course Exit Analysis Report (SEM I)

Subject- Engineering chemistry -I

Subject Teacher – Dr.Sindhu Tayade/Dr.Sunita Pal

CO1: Students will be able to explain the concept of microscopic chemistry in terms of atomic and molecular orbital theory and relate it to diatomic molecules

Score	No. of Students	Percentage
1-Can't say	3	1
2-Hardly	4	2
3-Moderately	56	23
4-Mostly	90	37
5-Definitely	88	37
Total	241	100

CO2: Students will be able to describe the concept of aromaticity and interpret it with relation to specific aromatic systems.

Score	No. of Students	Percentage
1-Can't say	2	1
2-Hardly	7	3
3-Moderately	35	14
4-Mostly	103	39
5-Definitely	94	43
Total	241	100



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ACADEMIC YEAR 2022-23

DEPARTMENT OF FIRST YEAR ENGINEERING

Course Exit Analysis Report (SEM I)

CO3: Students will be able to Illustrate the knowledge of various types of inter molecular forces and relate it to real gases.

Score	No. of Students	Percentage
1-Can't say	1	1
2-Hardly	11	5
3-Moderately	44	18
4-Mostly	103	43
5-Definitely	80	33
Total	241	100

CO4: Students will be able to Interpret various phase transformations using thermodynamics *

Score	No. of Students	Percentage
1-Can't say	2	1
2-Hardly	10	4
3-Moderately	48	20
4-Mostly	100	34
5-Definitely	81	41
Total	241	100



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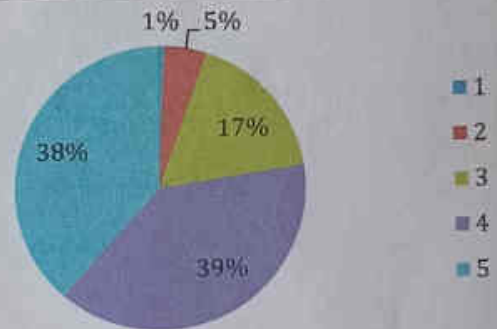
ACADEMIC YEAR 2022-23

DEPARTMENT OF FIRST YEAR ENGINEERING

Course Exit Analysis Report (SEM I)

CO5: Students will be able to illustrate the knowledge of polymers, fabrication methods, conducting polymers in various industrial fields.

Score	No. of Students	Percentage
1-Can't say	2	1
2-Hardly	11	5
3-Moderately	42	17
4-Mostly	94	39
5-Definitely	92	38
Total	241	100





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ACADEMIC YEAR 2022-23

DEPARTMENT OF FIRST YEAR ENGINEERING

Course Exit Analysis Report (SEM I)

CO6: Students will be able to Analyze the quality of water and suggest suitable methods of treatment. *

Score	No. of Students	Percentage
1-Can't say	3	1
2-Hardly	5	2
3-Moderately	34	14
4-Mostly	88	37
5-Definitely	111	46
Total	241	100

1% 2%
46% 14% 37%

■ 1
■ 2
■ 3
■ 4
■ 5

1. Dr. Sindhya Tayade

Div. CED

2. Dr. Sunita pal

Div. A&B

MOD-FE

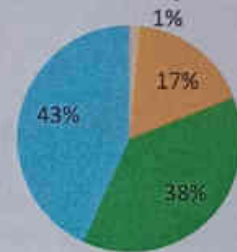


Department of First Year Engineering
Academic Year 2022-23(ODD SEM)
Course Exit Analysis Report (Sem I)
Subject – EM

Subject Incharge - Prof. Amruta Patil / Prof. Amol Bhagat

Score	No. of Students	Percentage
1-Can't Say	4	1%
2-Least Relevant	2	1%
3-Moderately Relevant	48	17%
4-Relevant	108	38%
5-Strongly Relevant	123	43%
Total	285	100%

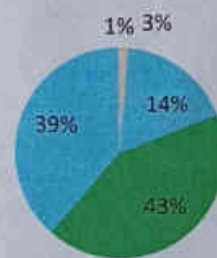
CO1. On what scale will you rate your ability to understand the concept of force, moment, and apply the same along with the concept of equilibrium with the help of FBD?



1-Can't Say 2-Least Relevant
 3-Moderately Relevant 4-Relevant

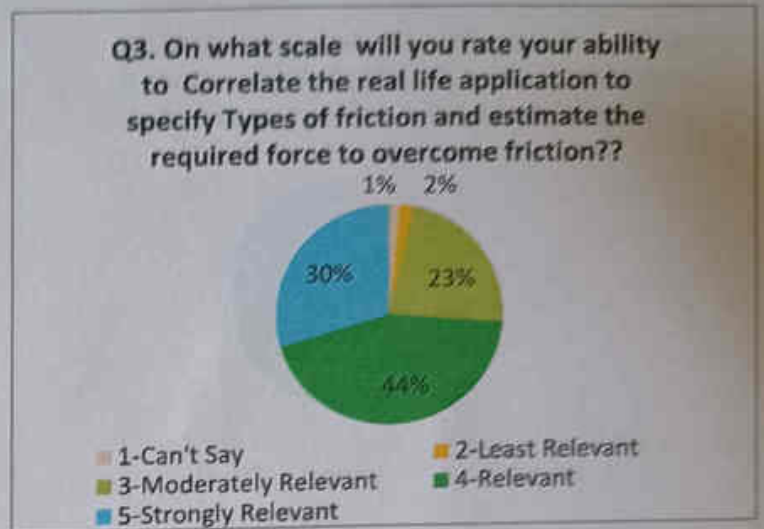
Score	No. of Students	Percentage
1-Can't Say	4	1%
2-Least Relevant	9	3%
3-Moderately Relevant	41	14%
4-Relevant	121	42%
5-Strongly Relevant	110	39%
Total	285	100%

CO. 2 On what scale will you rate your ability to understand the concept of total load of Uniformly distributed load, Uniformly varying load and its point of application?

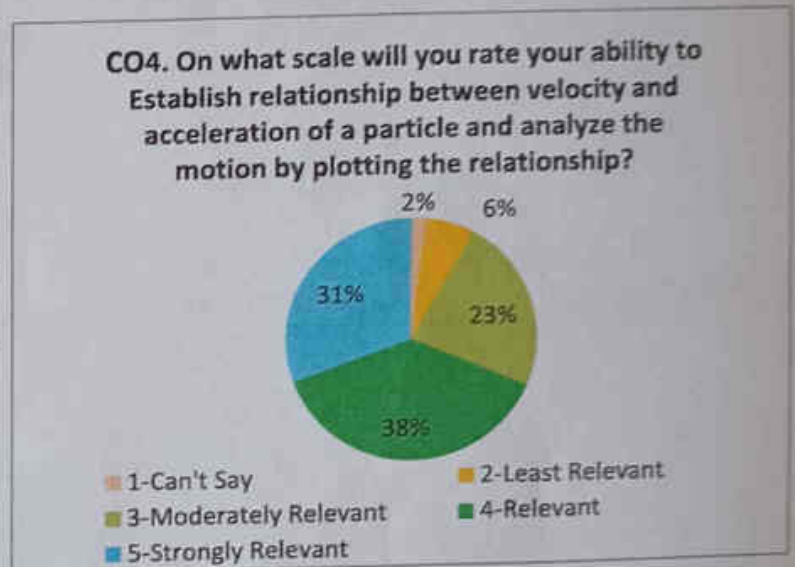


1-Can't Say 2-Least Relevant
 3-Moderately Relevant 4-Relevant
 5-Strongly Relevant

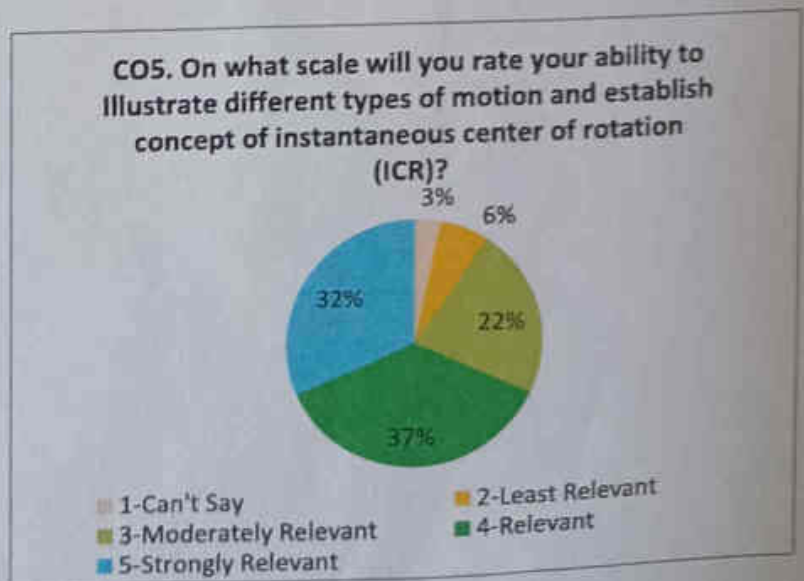
Score	No. of Students	Percentage
1-Can't Say	4	1%
2-Least Relevant	6	2%
3-Moderately Relevant	65	23%
4-Relevant	126	44%
5-Strongly Relevant	84	29%
Total	285	100%



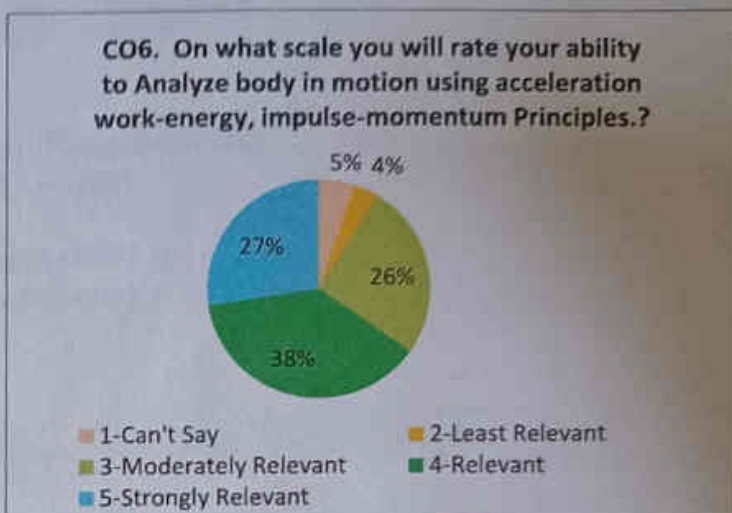
Score	No. of Students	Percentage
1-Can't Say	5	2%
2-Least Relevant	18	6%
3-Moderately Relevant	67	24%
4-Relevant	108	38%
5-Strongly Relevant	87	31%
Total	285	100%



Score	No. of Students	Percentage
1-Can't Say	9	3%
2-Least Relevant	18	6%
3-Moderately Relevant	64	22%
4-Relevant	104	36%
5-Strongly Relevant	90	32%
Total	285	100%



Score	No. of Students	Percentage
1-Can't Say	15	5%
2-Least Relevant	10	4%
3-Moderately Relevant	74	26%
4-Relevant	108	38%
5-Strongly Relevant	78	27%
Total	285	100%



I. Prof. Amol Bhagat (A.B.)

Subject Incharge


HOD

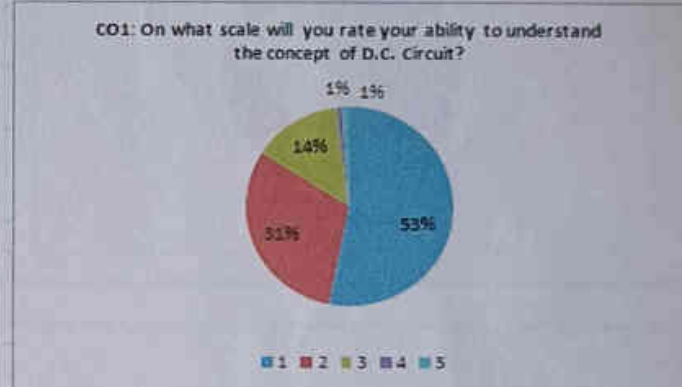


Department of First Year Engineering
Academic Year: 2022-23 (ODD)

Course Exit Analysis Report (SEM I)
Subject: Basic Electrical Engineering

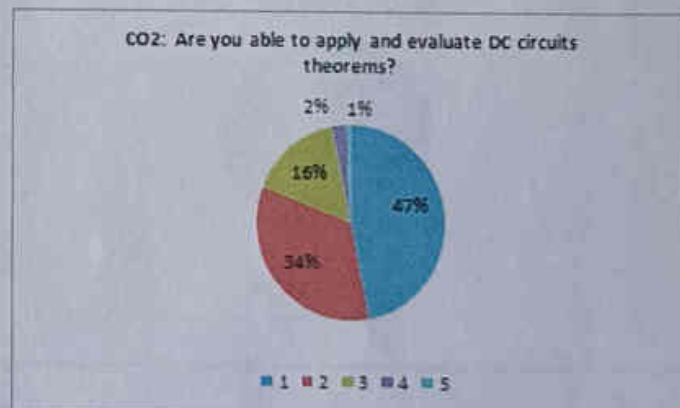
CO1: On what scale will you rate your ability to understand the concept of D.C. Circuit?

Degree of relevance	No. of Students	Percentage
5- Strongly relevant	154	53.10
4- Moderately Relevant	90	31.03
3- Relevant,	40	13.79
2- Least Relevant,	3	1.03
1-Can't say	3	1.03
Total	290	100



CO2: Are you able to apply and evaluate DC circuits theorems?

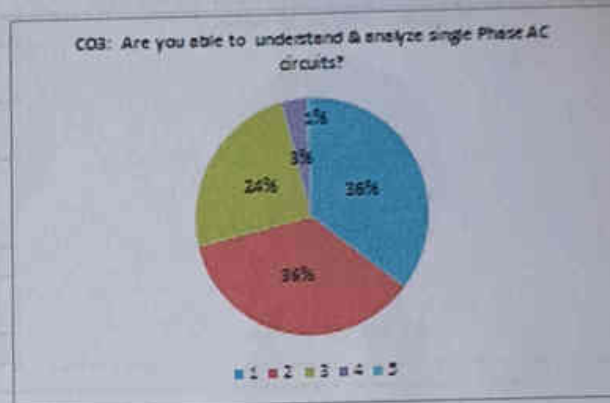
Degree of relevance	No. of Students	Percentage
5- Strongly relevant	136	46.90
4- Moderately Relevant	99	34.14
3- Relevant,	46	15.86
2- Least Relevant,	7	2.41
1-Can't say	2	0.69
Total	290	100





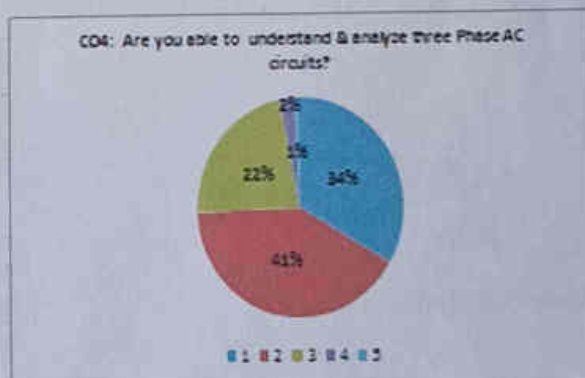
CO3: Are you able to understand & analyze single Phase AC circuits?

Degree of relevance	No. of Students	Percentage
5- Strongly relevant	103	35.52
4- Moderately Relevant	104	35.86
3- Relevant,	71	24.48
2- Least Relevant,	10	3.45
1-Can't say	2	0.69
Total	290	100



CO4: Are you able to understand & analyze three Phase AC circuits?

Degree of relevance	No. of Students	Percentage
5- Strongly relevant	97	33.45
4- Moderately Relevant	119	41.03
3- Relevant,	65	22.41
2- Least Relevant,	7	2.41
1-Can't say	2	0.69
Total	290	100





CO5: Are you able to understand the concept and working principle of Electrical machines?

Degree of relevance	No. of Students	Percentage
5- Strongly relevant	94	32.41
4- Moderately Relevant	114	39.31
3- Relevant,	67	23.10
2- Least Relevant,	11	3.79
1-Can't say	4	1.38
Total	290	100

CO5: Are you able to understand the concept and working principle of Electrical machines?

Degree of relevance	No. of Students	Percentage
5- Strongly relevant	94	32.41
4- Moderately Relevant	114	39.31
3- Relevant,	67	23.10
2- Least Relevant,	11	3.79
1-Can't say	4	1.38

1. Prof. Pallavi Kharat

Subject In charges

Prof. Rajashri Narwade/Prof. Pallavi Kharat

HOD

Prof. Sayali Choudhari



Department of First Year Engineering
Academic Year 2022-23(ODD SEM)
Course Exit Analysis Report (Sem I)
Subject – BWP-I

Subject Incharge - Prof. Nilesh Chanewar / Prof. Akshay Koli

Score	No. of Students	Percentage
1-Can't Say	3	1%
2-Least Relevant	7	3%
3-Moderately Relevant	45	19%
4-Relevant	96	40%
5-Strongly Relevant	91	38%
Total	242	100%

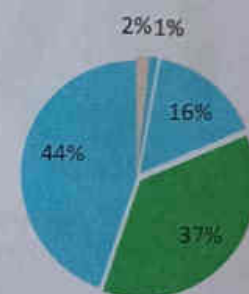
Q1. On what scale will you rate your ability to Elaborate interdisciplinary engineering domain ?



1-Can't Say 2-Least Relevant
 3-Moderately Relevant 4-Relevant
 5-Strongly Relevant

Score	No. of Students	Percentage
1-Can't Say	4	2%
2-Least Relevant	3	1%
3-Moderately Relevant	38	16%
4-Relevant	89	37%
5-Strongly Relevant	108	45%
Total	242	100%

Q. 2 On what scale will you rate your ability to handle/use different fitting tools. ?



1-Can't Say 2-Least Relevant
 3-Moderately Relevant 4-Relevant
 5-Strongly Relevant

Score	No. of Students	Percentage
1-Can't Say	3	1%
2-Least Relevant	4	2%
3-Moderately Relevant	37	15%
4-Relevant	92	38%
5-Strongly Relevant	106	44%
Total	242	100%

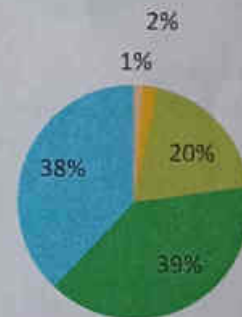
Q3. On what scale will you rate your ability to prepare the edges of jobs and do simple arc welding?



- 1-Can't Say
- 2-Least Relevant
- 3-Moderately Relevant
- 4-Relevant
- 5-Strongly Relevant

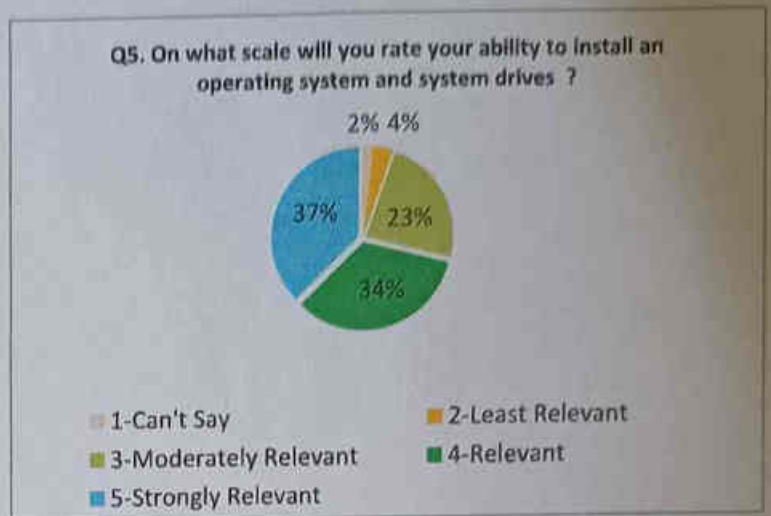
Score	No. of Students	Percentage
1-Can't Say	3	1%
2-Least Relevant	5	2%
3-Moderately Relevant	47	19%
4-Relevant	95	39%
5-Strongly Relevant	92	38%
Total	242	100%

Q4. On what scale will you rate your ability to develop skill required for hardware maintenance?

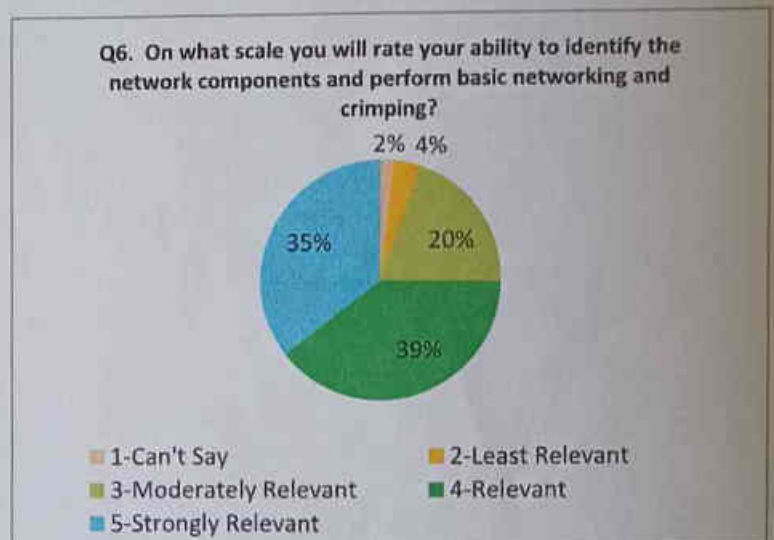


- 1-Can't Say
- 2-Least Relevant
- 3-Moderately Relevant
- 4-Relevant
- 5-Strongly Relevant

Score	No. of Students	Percentage
1-Can't Say	4	2%
2-Least Relevant	9	4%
3-Moderately Relevant	57	24%
4-Relevant	82	34%
5-Strongly Relevant	90	37%
Total	242	100%



Score	No. of Students	Percentage
1-Can't Say	4	2%
2-Least Relevant	9	4%
3-Moderately Relevant	48	20%
4-Relevant	95	39%
5-Strongly Relevant	86	36%
Total	242	100%



1. Prof. Nilesh Chenevar
Akshay Koli

(N)

Subject Incharge


HOD