



SARASWATI Education Society's
SARASWATI College of Engineering

Learn Live Achieve and Contribute

Kharghar, Navi Mumbai - 410 210.

Department of First Year Engineering

Academic Year: 2021-22

Course Exit Analysis Report (SEM I)

Subject – Engineering Mathematics I

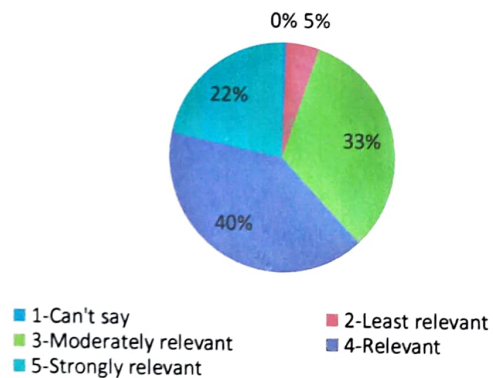
Subject Teacher –Dr.SayaliChoudhari,Prof.Vasudev Nazirkar,

DIV-A,B,C

CO 1: Identify and apply the concept of complex number to solve engineering problems

Score	No. of Students	Percentage (%)
1-Can't say	1	0.5
2-Least relevant	9	4.8
3-Moderately relevant	62	32.8
4-Relevant	76	40.2
5-Strongly relevant	41	21.7
Total	189	100

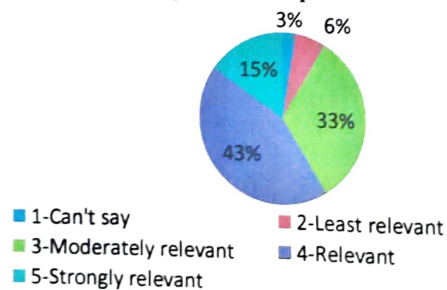
CO 1: Identify and apply the concept of complex number to solve engineering problems .



CO 2: 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	5	2.7
2-Least relevant	11	5.8
3-Moderately relevant	62	32.8
4-Relevant	82	43.4
5-Strongly relevant	29	15.3
Total	189	100

CO 2: Illustrate the solution for different complex function and extend the appropriate technique for solving the real life problem .





SARASWATI Education Society's
SARASWATI College of Engineering

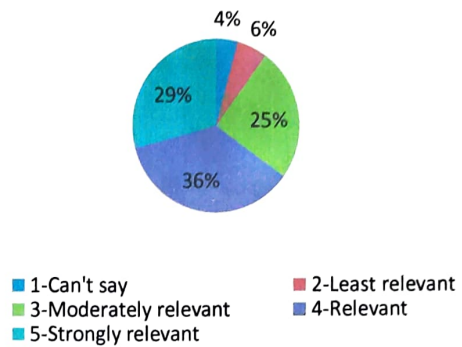
Learn Live Achieve and Contribute

Kharghar, Navi Mumbai - 410 210.

CO 5: 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	4.2
2-Least relevant	11	5.8
3-Moderately relevant	47	24.9
4-Relevant	68	36
5-Strongly relevant	55	29.1
Total	189	100

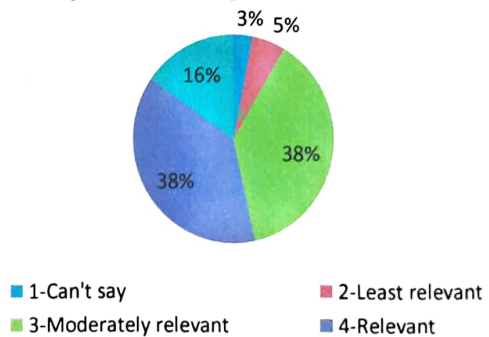
CO 5: Use the knowledge of matrices for finding rank and consistency of equation and apply it for coding and decoding of message.



CO 6: Understand the theoretical working of numerical techniques with the help of Sci- lab

Score	No. of Students	Percentage (%)
1-Can't say	6	3.2
2-Least relevant	10	5.3
3-Moderately relevant	72	38.1
4-Relevant	72	38.1
5-Strongly relevant	29	15.3
Total	189	100

CO 6: Understand the theoretical working of numerical techniques with the help of Sci- lab No. of Students



[Signature]
H.O.D
 Engineering Sciences
 and Humanities
 SCOE

[Signature]
PRINCIPAL
 Saraswati College of Engineering
 Kharghar, Nav. Mumbai-410210



SARASWATI Education Society's
SARASWATI College of Engineering

Learn Live Achieve and Contribute

Kharghar, Navi Mumbai - 410 210.

Department of First Year Engineering

Academic Year: 2021-22

Course Exit Analysis Report (SEM I)

Subject – Engineering Mathematics I

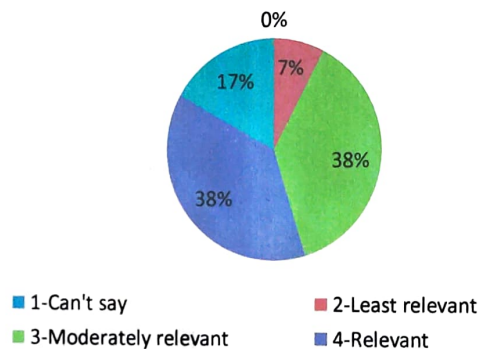
Subject Teacher –Prof.Vasudev Nazirkar,Prof.S.Kulkarni

DIV-D

CO 1: Identify and apply the concept of complex number to solve engineering problems

Score	No. of Students	Percentage (%)
1-Can't say	0	0
2-Least relevant	4	7
3-Moderately relevant	20	38
4-Relevant	20	38
5-Strongly relevant	9	17
Total	53	100

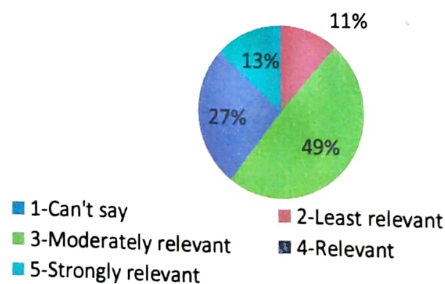
CO 1: Identify and apply the concept of complex number to solve engineering problems .



CO 2: 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	0	0
2-Least relevant	6	11
3-Moderately relevant	26	49
4-Relevant	14	27
5-Strongly relevant	7	13
Total	53	100

CO 2: Illustrate the solution for different complex function and extend the appropriate technique for solving the real life problem .

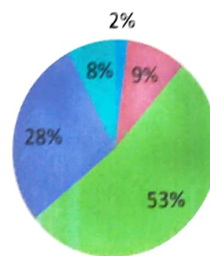




CO 3: Deal with partial derivatives and analyses the principles of partial derivatives to engineering problems.

Score	No. of Students	Percentage (%)
1-Can't say	1	2
2-Least relevant	5	9
3-Moderately relevant	28	53
4-Relevant	15	28
5-Strongly relevant	4	8
Total	53	100

CO 3: Deal with partial derivatives and analyses the principles of partial derivatives to engineering problems.

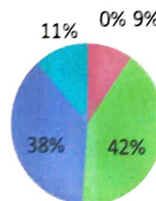


■ 1-Can't say ■ 2-Least relevant
 ■ 3-Moderately relevant ■ 4-Relevant
 ■ 5-Strongly relevant

CO 4 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	0	0
2-Least relevant	5	9
3-Moderately relevant	22	42
4-Relevant	20	38
5-Strongly relevant	6	11
Total	53	100

CO 4: Classify maxima and minima of function and apply the knowledge in engineering as well as day to day problems.



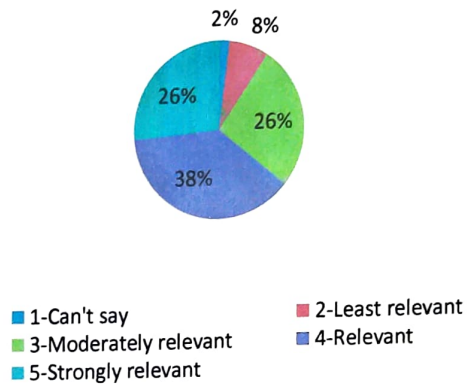
■ 1-Can't say ■ 2-Least relevant
 ■ 3-Moderately relevant ■ 4-Relevant
 ■ 5-Strongly relevant



CO 5: 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	1	2
2-Least relevant	4	8
3-Moderately relevant	14	26
4-Relevant	20	38
5-Strongly relevant	14	26
Total	53	100

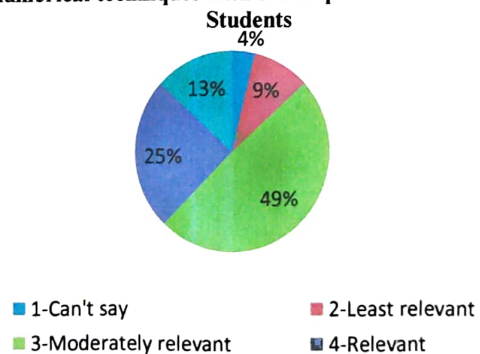
CO 5: Use the knowledge of matrices for finding rank and consistency of equation and apply it for coding and decoding of message.



CO 6: Understand the theoretical working of numerical techniques with the help of Sci- lab

Score	No. of Students	Percentage (%)
1-Can't say	2	4
2-Least relevant	5	9
3-Moderately relevant	26	49
4-Relevant	13	25
5-Strongly relevant	7	13
Total	53	100

CO 6: Understand the theoretical working of numerical techniques with the help of Sci- lab



[Signature]
 H.O.D
 Engineering Sciences
 and Humanities
 SCOE

[Signature]
 PRINCIPAL
 Saraswati College of Engineering
 Kharghar, Navi Mumbai-410210



SARASWATI Education Society's
SARASWATI College of Engineering

Learn Live Achieve and Contribute

Kharghar, Navi Mumbai - 410 210.

Department of First Year Engineering

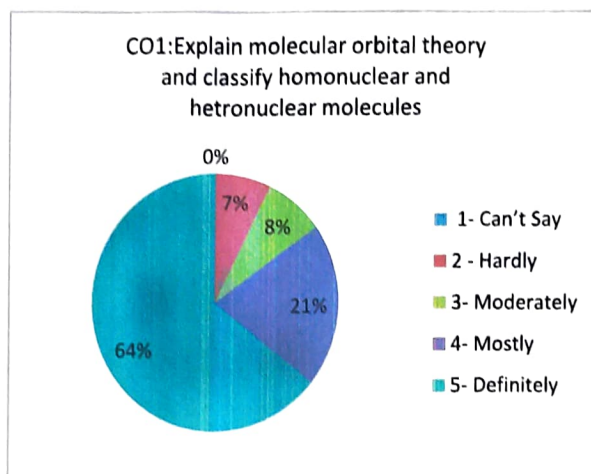
Academic Year: 2021-22

Course Exit Analysis Report (SEM I)

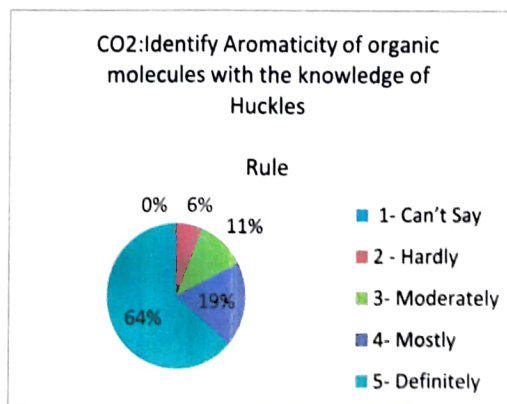
Subject – Engineering Chemistry I (DIV A)

Subject Teacher – Dr.Sindhu Tayade Dr.Sunta Pal

1- Can't Say	0	0
2 - Hardly	12	7
3- Moderately	13	8
4- Mostly	34	21
5- Definitely	107	64
Total	166	100



1- Can't Say	0	0
2 - Hardly	10	6
3- Moderately	19	11
4- Mostly	31	19
5- Definitely	106	64
Total	166	100



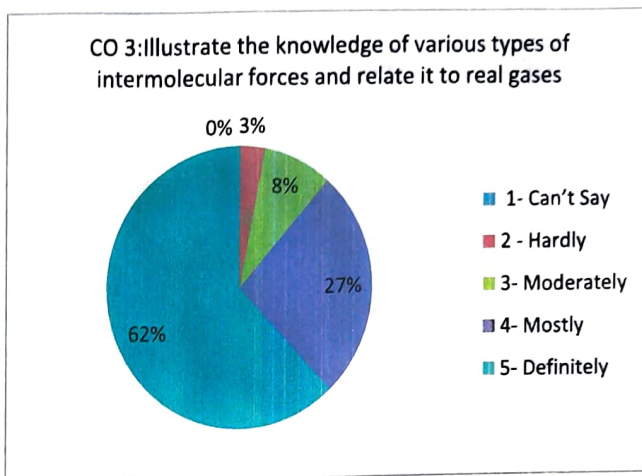


SARASWATI Education Society's
SARASWATI College of Engineering

Learn Live Achieve and Contribute

Kharghar, Navi Mumbai - 410 210.

1- Can't Say	0	0
2 - Hardly	5	3
3- Moderately	14	8
4- Mostly	44	27
5- Definitely	103	62
Total	166	100





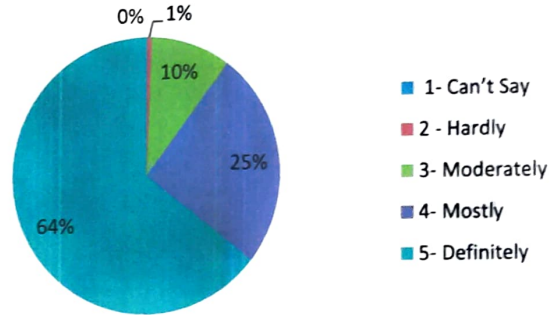
SARASWATI Education Society's
SARASWATI College of Engineering

Learn Live Achieve and Contribute

Kharghar, Navi Mumbai - 410 210.

1- Can't Say	0	0
2 - Hardly	1	1
3- Moderately	16	10
4- Mostly	42	25
5- Definitely	107	64
Total	166	100

CO 4: Design and interpret phase transformations of molecules using thermodynamics





SARASWATI Education Society's
SARASWATI College of Engineering

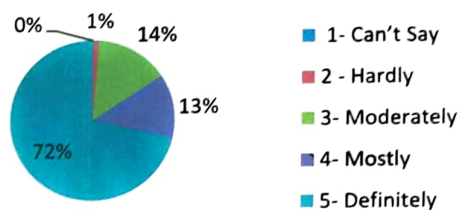
Learn Live Achieve and Contribute

Kharghar, Navi Mumbai - 410 210.

1- Can't Say	0	0
2 - Hardly	2	1
3- Moderately	24	10
4- Mostly	21	25
5- Definitely	119	64
Total	166	100

CO 5: Categorize different techniques of fabrication methods, uses conducting polymers in various industrial

fields



[Handwritten Signature]
HOD-FE

[Handwritten Signature]

PRINCIPAL
Saraswati College of Engineering
Kharghar, Navi Mumbai 410210



Department of Science and Humanities Engineering

Academic Year: 2021-22

Course Exit Analysis Report (SEM I)

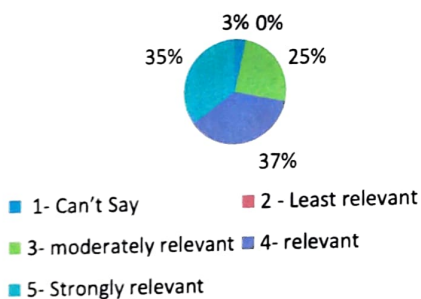
Subject – Basic Electrical Engineering

Class: FE A DIV

Subject Teacher – Prof. Rajashri Narwade

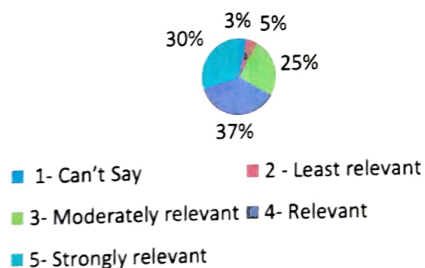
Score	No. of Students	Percentage (%)
1- Can't Say	2	3.3
2 - Least relevant	0	0
3- Moderately relevant	15	25
4- Relevant	22	36.7
5- Strongly relevant	21	35
Total	60	100

CO 1: On what scale will you rate your ability to understand the concept of D.C. Circuits using Network Theorems?



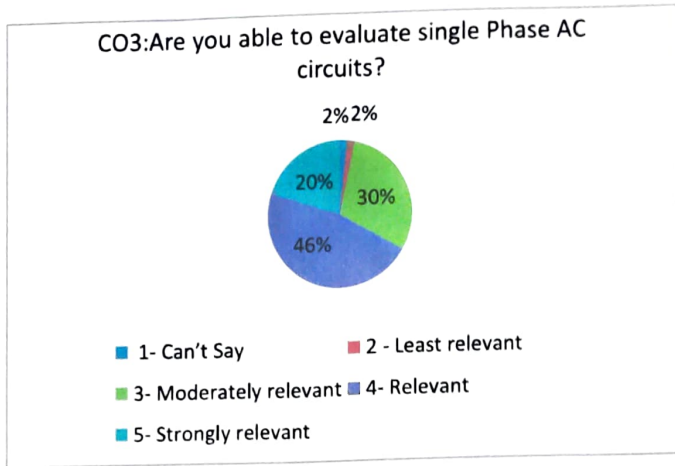
Score	No. of Students	Percentage (%)
1- Can't Say	2	3.3
2 - Least relevant	3	5
3- Moderately relevant	15	25
4- Relevant	22	36.7
5- Strongly relevant	18	30
Total	60	100

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

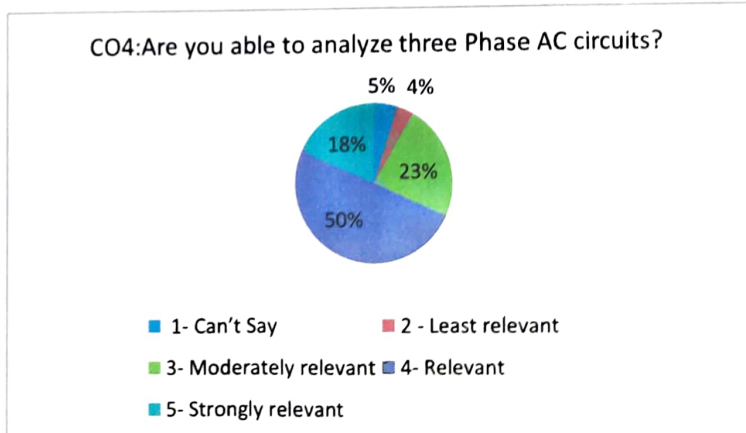




Score	No. of Students	Percentage (%)
1- Can't Say	1	1.7
2 - Least relevant	1	1.7
3- Moderately relevant	18	30
4- Relevant	28	46.7
5- Strongly relevant	12	20
Total	60	100



Score	No. of Students	Percentage (%)
1- Can't Say	3	5
2 - Least relevant	2	3.3
3- Moderately relevant	14	23.3
4- Relevant	30	50
5- Strongly relevant	11	18.3
Total	60	100





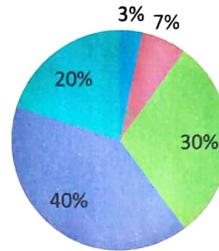
SARASWATI Education Society's
SARASWATI College of Engineering

Learn Live Achieve and Contribute

Kharghar, Navi Mumbai - 410 210.

Score	No. of Students	Percentage (%)
1- Can't Say	2	3.3
2 - Least relevant	4	6.7
3- Moderately relevant	18	30
4- Relevant	24	40
5- Strongly relevant	12	20
Total	60	100

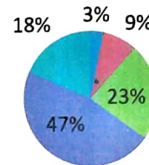
CO5: Are you able to describe working principle of single phase transformer ?



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

Score	No. of Students	Percentage (%)
1- Can't Say	2	3.3
2 - Least relevant	5	8.3
3- Moderately relevant	14	23.3
4- Relevant	28	46.3
5- Strongly relevant	11	18.3
Total	60	100

CO6: Are you able to understand the concept and working principle of Electrical AC & DC machines?



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

[Handwritten Signature]
 HOD-FE

[Handwritten Signature]

Saraswati College of Engineering
 Kharghar, Navi Mumbai - 410210



SARASWATI Education Society's
SARASWATI College of Engineering

Learn Live Achieve and Contribute

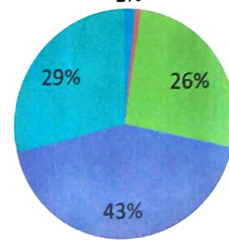
Kharghar, Navi Mumbai - 410 210.

**SARASWATI COLLEGE OF ENGINEERING, KHARGHAR, NAVI MUMBAI
 FIRST YEAR ENGINEERING DEPARTMENT**

**SUBJECT- ENGINEERING MECHANICS (SEM I)
 ACADEMIC YEAR-2021-2022
 DIV -A AND C COURSE EXIT SURVEY**

SCORE	No of Students	Percentage
1-Can't say	2	2
2-Hardly	1	1
3-Moderately	34	26
4-Mostly	55	43
5-Definitely	37	29
Total	129	100

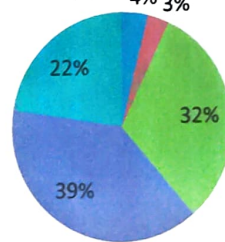
CO1: On what scale will you rate your ability to understand the concept of force, moment, and apply the same along with the concept of equilibrium with the help of FBD?



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

SCORE	No of Students	Percentage
1-Can't say	5	4
2-Hardly	4	3
3-Moderately	41	32
4-Mostly	50	39
5-Definitely	29	22
Total	129	100

CO2: 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-Hardly ■ 3-Moderately ■ 4-Mostly ■ 5-Definitely



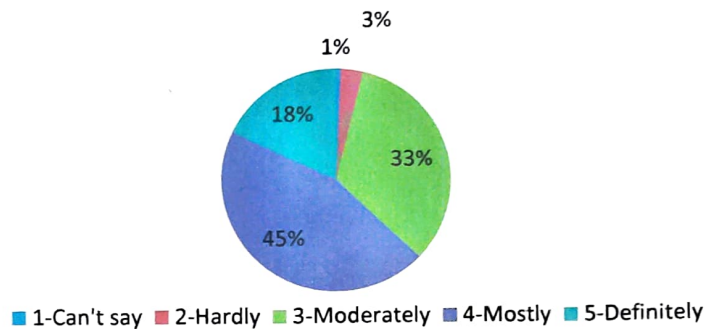
SARASWATI Education Society's
SARASWATI College of Engineering

Learn Live Achieve and Contribute

Kharghar, Navi Mumbai - 410 210.

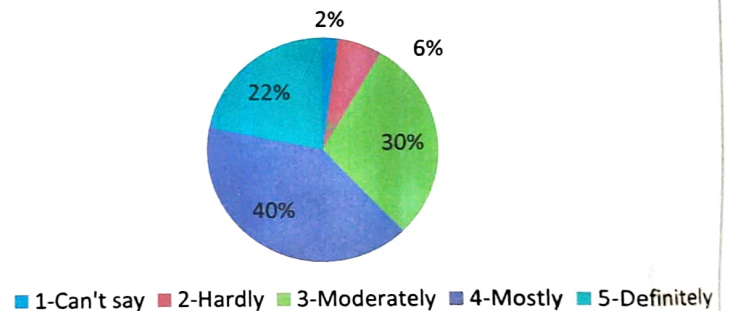
SCORE	No of Students	Percentage
1-Can't say	1	1
2-Hardly	4	3
3-Moderately	43	33
4-Mostly	58	45
5-Definitely	23	18
Total	129	100

CO3: On what scale will you rate your ability to Correlate the real life application to specify Types of friction and estimate the required force to overcome friction?



SCORE	No of Students	Percentage
1-Can't say	3	2
2-Hardly	8	6
3-Moderately	38	30
4-Mostly	52	40
5-Definitely	28	22
Total	129	100

CO4: On what scale will you rate your ability to Establish relationship between velocity and acceleration of a particle and analyze the motion by plotting the relationship?





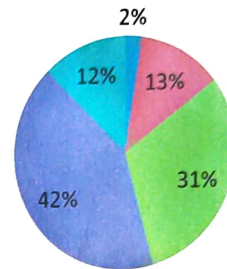
SARASWATI Education Society's
SARASWATI College of Engineering

Learn Live Achieve and Contribute

Kharghar, Navi Mumbai - 410 210.

SCORE	No of Students	Percentage
1-Can't say	3	2
2-Hardly	16	12
3-Moderately	40	31
4-Mostly	54	42
5-Definitely	16	12
Total	129	100

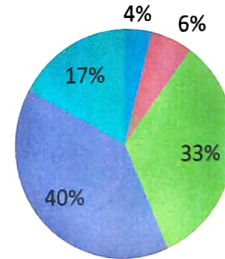
CO5: On what scale will you rate your ability to Illustrate different types of motion and establish concept of instantaneous center of rotation (ICR)?



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

SCORE	No of Students	Percentage
1-Can't say	5	4
2-Hardly	8	6
3-Moderately	43	33
4-Mostly	51	40
5-Definitely	22	17
Total	129	100

CO6: On what scale you will rate your ability to Analyze body in motion using acceleration work-energy, impulse-momentum Principles.?



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

H.O.D
 Engineering Sciences
 and Humanities
 SCOE

PRINCIPAL
 Saraswati College of Engineering
 Kharghar, Navi Mumbai - 410 210

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 students

Academic year 2021 - 2022 (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

[Signature]
6/5/22
HOD

[Signature]
PRINCIPAL



SARASWATI Education Society's
SARASWATI College of Engineering

Learn Live Achieve and Contribute

Kharghar, Navi Mumbai - 410 210.

Department of First Year Engineering

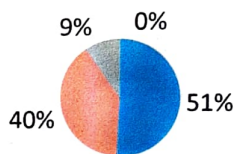
Course Exit Analysis Report (SEM II 2021-22)

Subject – Engineering Mathematics II (DIV A)

Subject Teacher –Dr.Sayali Choudhari

Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	0	0
3- Moderately	6	9.50
4- Mostly	25	39.70
5- Definitely	32	50.80
Total	63	100

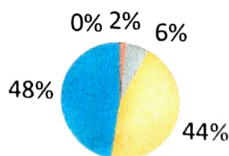
CO 1: Apply the concepts of First Order and first degree Differential equation to the problems in the field of engineering



■ Strongly relevant ■ Relevant
■ Moderately relevant ■ Least relevant

Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	1	1.6
3- Moderately	4	6.3
4- Mostly	28	39.70
5- Definitely	30	47.6
Total	63	100

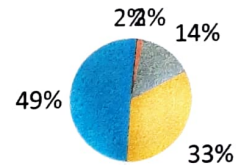
CO2: Apply the concepts of Higher Order Linear Differential equation to the engineering problems



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

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.6
2 - Hardly	1	1.6
3- Moderately	9	14.3
4- Mostly	21	33.3
5- Definitely	31	49.2
Total	63	100

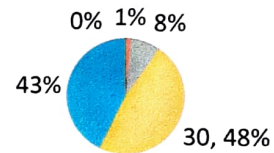
CO 3: Apply concepts of Beta and Gamma function to solve improper integrals



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

Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	1	1.6
3- Moderately	5	7.9
4- Mostly	30	47.6
5- Definitely	27	42.9
Total	63	100

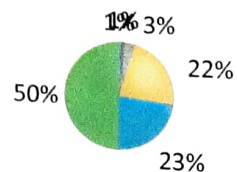
CO4: Apply concepts of Double integral of different coordinate systems to the engineering problems like area and mass



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

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.6
2 - Hardly	1	1.6
3- Moderately	4	6.3
4- Mostly	28	44.4
5- Definitely	29	46
Total	63	100

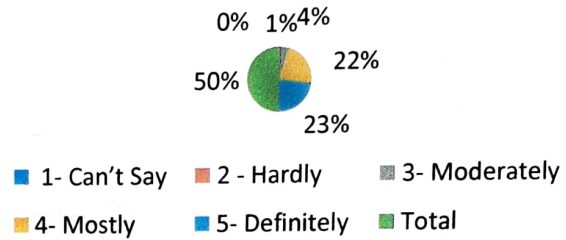
CO 5: Apply concepts of triple integral of different coordinate systems to the engineering problems and problems based on volume of solids.



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

Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	1	1.6
3- Moderately	5	7.9
4- Mostly	28	44.4
5- Definitely	29	46
Total	63	100

CO 6:Classify various types of numerical methods for solving differential CO 6:Classify various types of numerical methods for solving differential equation



[Signature]
H.O.D
Engineering Sciences
and Humanities
SCOE

[Signature]
PRINCIPAL
Saraswati College of Engineering
Kharghar, Navi Mumbai - 400210



Department of First Year Engineering

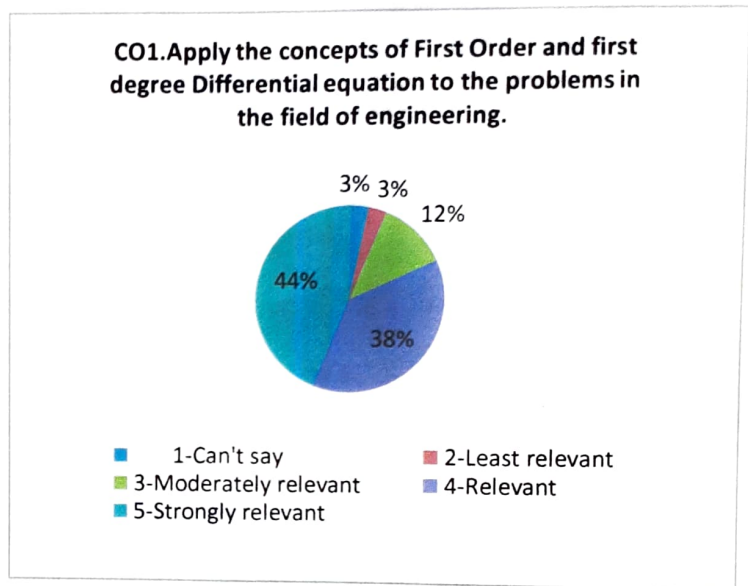
Academic Year: 2021-22

Course Exit Analysis Report (SEM II _Div-B)

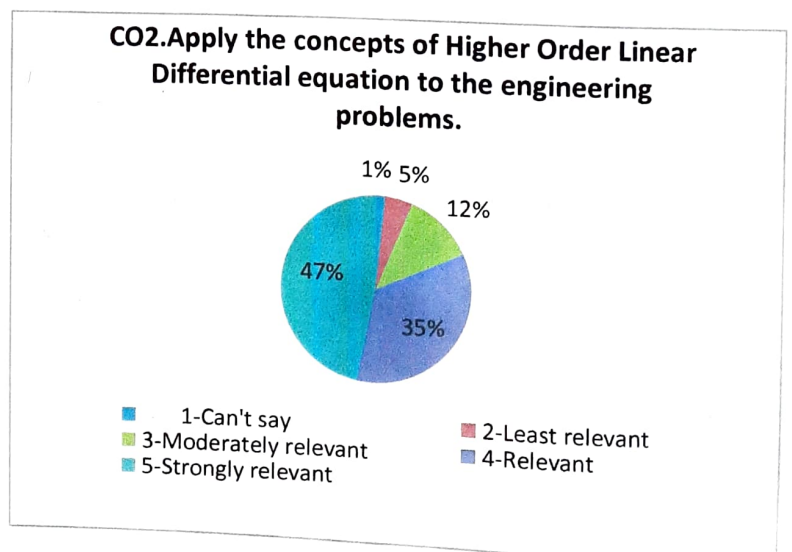
Subject – Engineering Mathematics II

Subject Teacher – Prof.Vasudeo Nazirkar

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	2	3.03
2-Least relevant	2	3.03
3-Moderately relevant	8	12.12
4-Relevant	25	37.87
5-Strongly relevant	29	43.93
Total	66	100

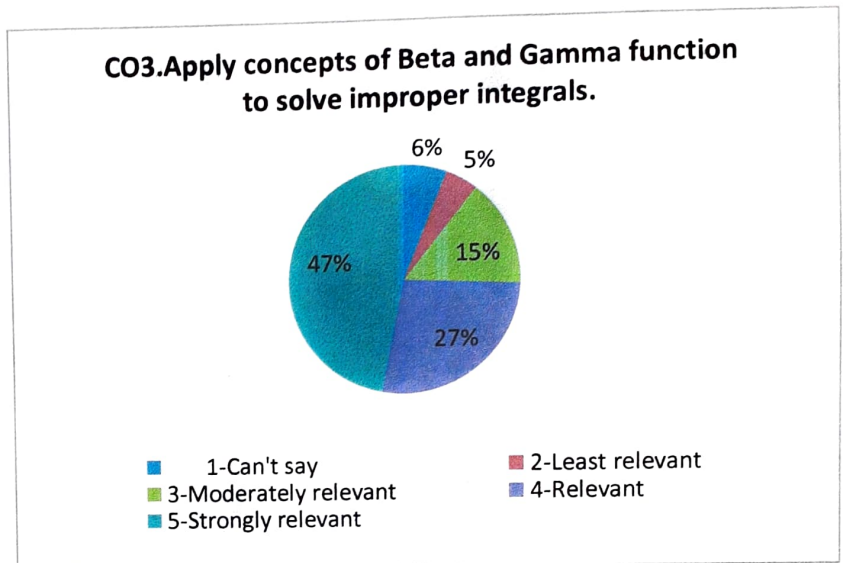


CO2.Apply the concepts of Higher Order Linear Differential equation to the engineering problems.		
Score	No. of Students	Percentage (%)
1-Can't say	1	1.51
2-Least relevant	3	4.54
3-Moderately relevant	8	12.12
4-Relevant	23	34.84
5-Strongly relevant	31	46.96
Total	66	100

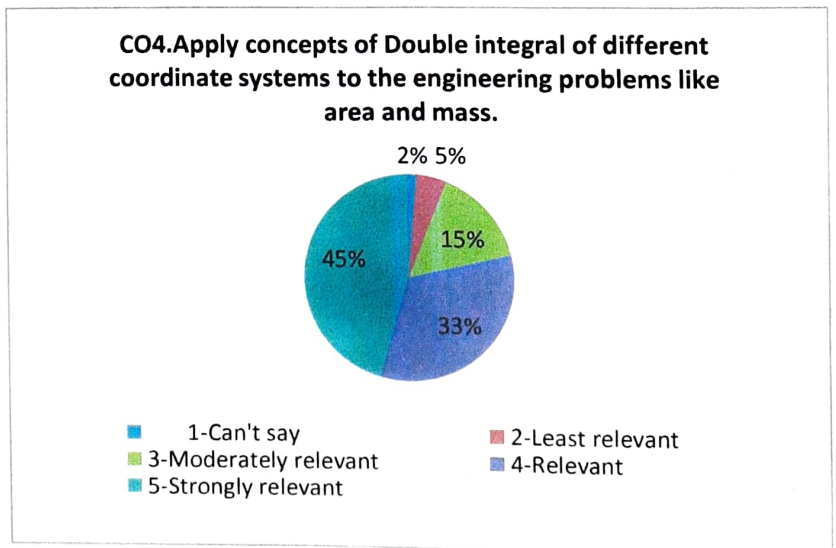




CO3. Apply concepts of Beta and Gamma function to solve improper integrals.		
Score	No. of Students	Percentage (%)
1-Can't say	4	6.06
2-Least relevant	3	4.54
3-Moderately relevant	10	15.15
4-Relevant	18	27.27
5-Strongly relevant	31	46.96
Total	66	100



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	1	1.51
2-Least relevant	3	4.54
3-Moderately relevant	10	15.15
4-Relevant	22	33.33
5-Strongly relevant	30	45.45
Total	66	100

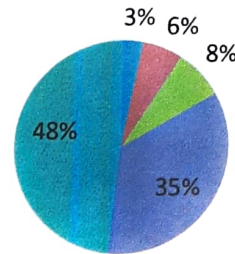




CO5. Apply concepts of triple integral of different coordinate systems to the engineering problems and problems based on volume of solids.

Score	No. of Students	Percentage (%)
1-Can't say	2	3.03
2-Least relevant	4	6.06
3-Moderately relevant	5	7.57
4-Relevant	23	34.84
5-Strongly relevant	32	48.48
Total	66	100

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

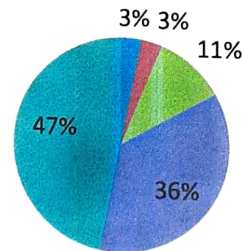


■ 1-Can't say ■ 2-Least relevant
■ 3-Moderately relevant ■ 4-Relevant
■ 5-Strongly relevant

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	2	3.03
2-Least relevant	2	3.03
3-Moderately relevant	7	10.6
4-Relevant	24	36.36
5-Strongly relevant	31	46.96
Total	66	100

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



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

S. D. Kulkarni
 H.O.D
 Engineering Sciences
 and Humanities
 SCOE

[Signature]
 PRINCIPAL
 Saraswati College of Engineering
 Kharghar, Navi Mumbai-410210



Department of First Year Engineering

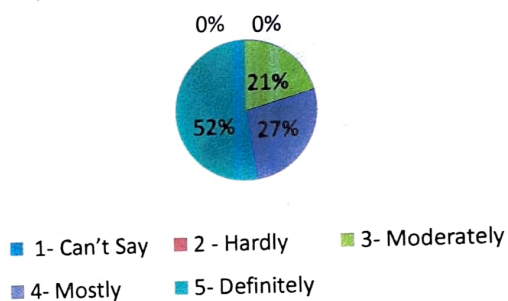
Academic Year: 2021-22

Course Exit Analysis Report (SEM II)
Subject – Engineering Mathematics II (DIV C)

Subject Teacher – Prof. ShirishKulkarni,

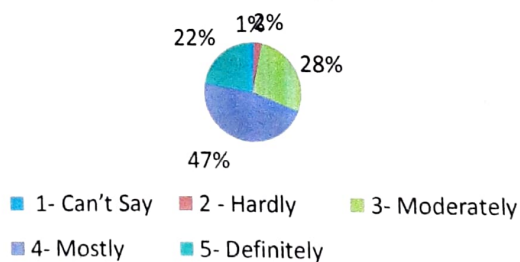
Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	0	0
3- Moderately	13	20.6
4- Mostly	17	27
5- Definitely	33	52.4
Total	63	100

CO 1: 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	0	1
2 - Hardly	2	3.2
3- Moderately	10	15.9
4- Mostly	21	33.3
5- Definitely	30	47.6
Total	63	100

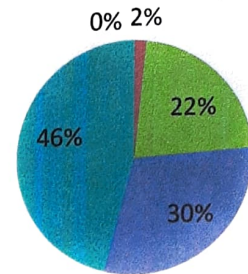
CO 2: Apply the concepts of Higher Order Linear Differential equation to the engineering problems





Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	1	1.6
3- Moderately	14	22.2
4- Mostly	19	30.2
5- Definitely	29	46
Total	63	100

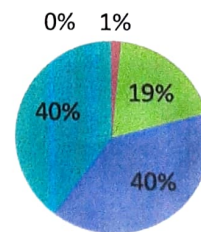
CO 3: Apply concepts of Beta and Gamma function to solve improper integrals.



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

Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	1	1.6
3- Moderately	12	19
4- Mostly	25	39.7
5- Definitely	25	39.7
Total	63	100

CO 4: Apply concepts of Double integral of different coordinate systems to the engineering problems like area and mass.



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



Department of First Year Engineering

Academic Year: 2021-22

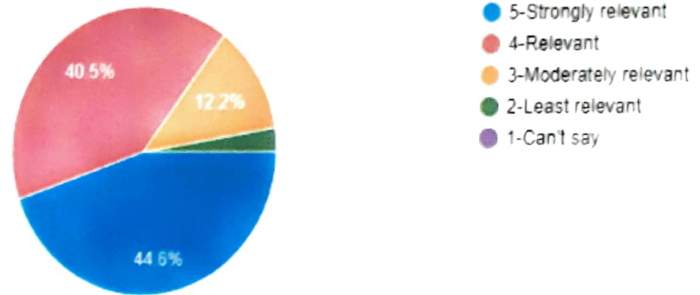
Course Exit Analysis Report (SEM II)

Subject – Engineering Mathematics II (DIV D)

Subject Teacher – Prof. Dnyaneshwar Kadam

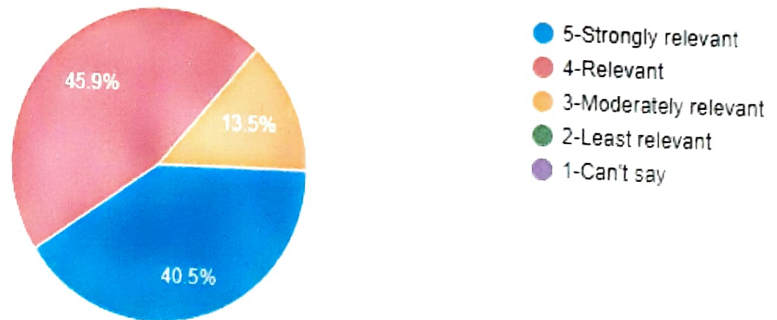
Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	2	2.7
3- Moderately	9	12.2
4- Mostly	30	40.5
5- Definitely	33	44.6
Total	74	100

CO 1: 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	0	0
2 - Hardly	0	0
3- Moderately	10	13.5
4- Mostly	34	45.9
5- Definitely	30	40.5
Total	74	100

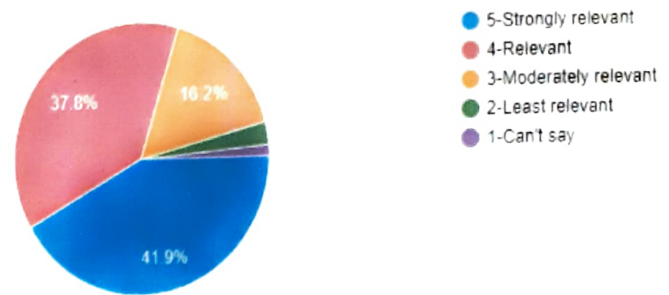
CO 2: Apply the concepts of Higher Order Linear Differential equation to the engineering problems





Score	No. of Students	Percentage (%)
1- Can't Say	1	1.4
2 - Hardly	2	2.7
3- Moderately	12	16.2
4- Mostly	28	37.8
5- Definitely	31	41.9
Total	74	100

CO 3: Apply concepts of Beta and Gamma function to solve improper integrals.



Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	2	2.7
3- Moderately	14	18.9
4- Mostly	27	36.5
5- Definitely	31	41.9
Total	74	100

CO 4: Apply concepts of Double integral of different coordinate systems to the engineering problems like area and mass.



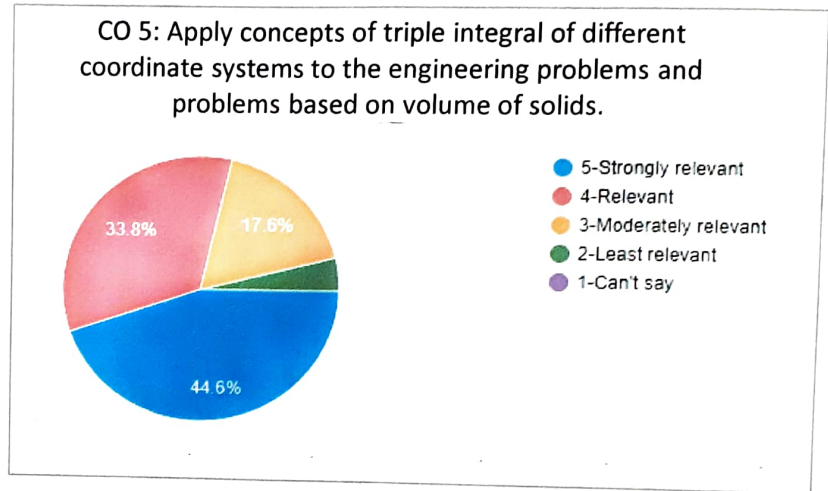


SARASWATI Education Society's
SARASWATI College of Engineering

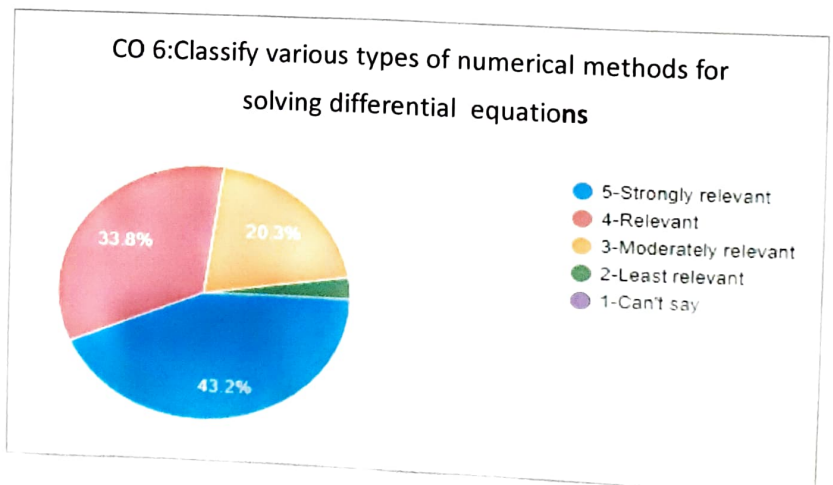
Learn Live Achieve and Contribute

Kharghar, Navi Mumbai - 410 210.

Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	3	4.1
3- Moderately	13	17.6
4- Mostly	25	33.8
5- Definitely	33	44.6
Total	74	100



Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	2	2.7
3- Moderately	15	20.3
4- Mostly	25	33.8
5- Definitely	32	43.2
Total	74	100



[Signature]
 4.0.0
 Engineering Sciences
 and Humanities
 SCOE

[Signature]
 PRINCIPAL
 Saraswati College of Engineering
 Kharghar, Navi Mumbai-410210



SARASWATI Education Society's
SARASWATI College of Engineering

Learn Live Achieve and Contribute

Kharghar, Navi Mumbai - 410 210.

Department of First Year Engineering

Academic Year: 2021-2022

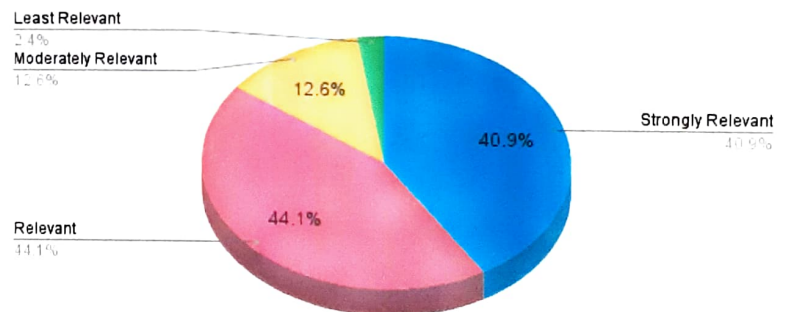
Course Exit Analysis Report (SEM II)

Subject – Engineering Physics II

Subject Teacher – Dr. Pinki

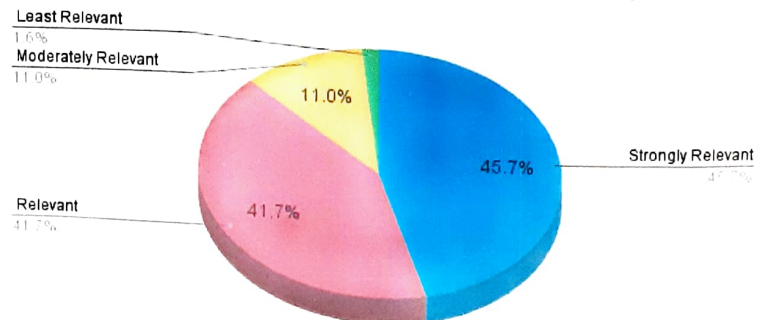
Score	No. of students	Percent age
1. Can't Say	0	0
2. Least Relevant	3	2.4%
3. Moderately Relevant	16	12.6%
4. Relevant	56	44.1%
5. Strongly Relevant	52	40.9%
Total	127	100%

CO1. On what scale will you rate your ability to understand the basic difference between diffraction and interference.



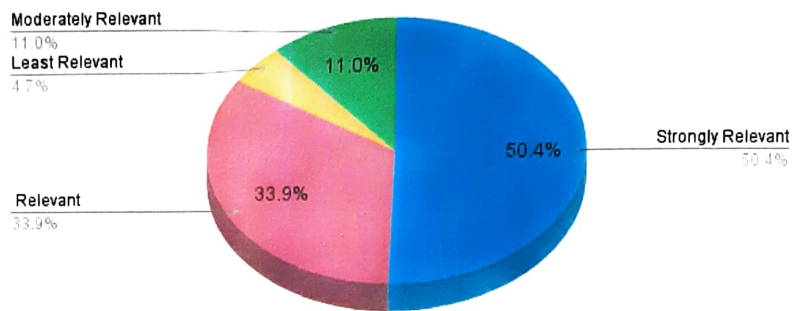
Score	No. of students	Percent age
1. Can't Say	0	0
2. Least Relevant	2	1.6%
3. Moderately Relevant	14	11%
4. Relevant	53	41.7%
5. Strongly Relevant	58	45.7%
Total	127	100%

CO2. On what scale will you rate your ability to understand the concept of Laser and optical fiber in communication system?



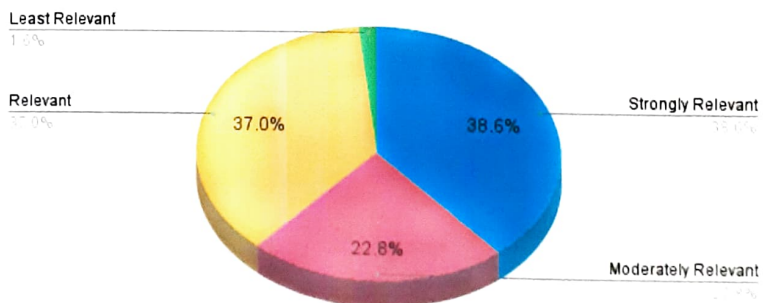
Score	No. of students	Percent age
1. Can't Say	0	0
2. Least Relevant	16	4.7%
3. Moderately Relevant	14	11%
4. Relevant	43	33.9%
5. Strongly Relevant	64	50.4%
Total	127	100%

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



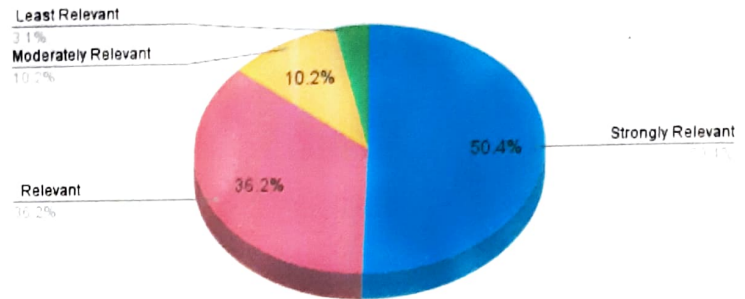
Score	No. of students	Percent age
1. Can't Say	0	0
2. Least Relevant	2	1.6%
3. Moderately Relevant	29	22.8%
4. Relevant	47	37
5. Strongly Relevant	49	38.6%
Total	127	100%

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



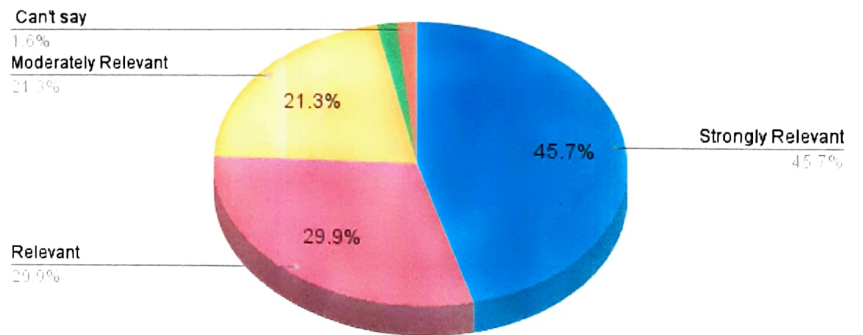
Score	No. of students	Percent age
1. Can't Say	0	0
2. Least Relevant	4	3.1%
3. Moderately Relevant	13	10.2%
4. Relevant	46	36.2%
5. Strongly Relevant	64	50.4%
Total	127	100%

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



Score	No. of students	Percent age
1. Can't Say	2	1.6%
2. Least Relevant	2	1.6%
3. Moderately Relevant	27	21.3%
4. Relevant	38	29.9%
5. Strongly Relevant	58	45.7%
Total	127	100%

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



[Signature]
H.O.D
Engineering Sciences
and Humanities
SCOE

[Signature]
PRINCIPAL
Saraswati College of Engineering
Kharghar, Navi Mumbai-400101



SARASWATI Education Society's
SARASWATI College of Engineering

Learn Live Achieve and Contribute

Kharghar, Navi Mumbai - 410 210.

Department of First Year Engineering

Academic Year: 2021-22

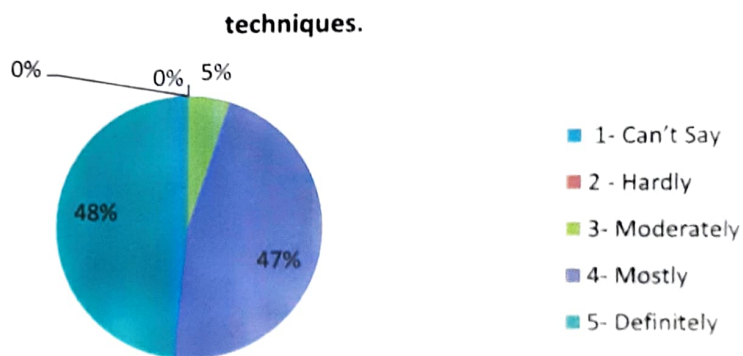
Course Exit Analysis Report (SEM II)

Subject – Engineering Chemistry II (DIV A)

Subject Teacher – Dr.Sindhu Tayade

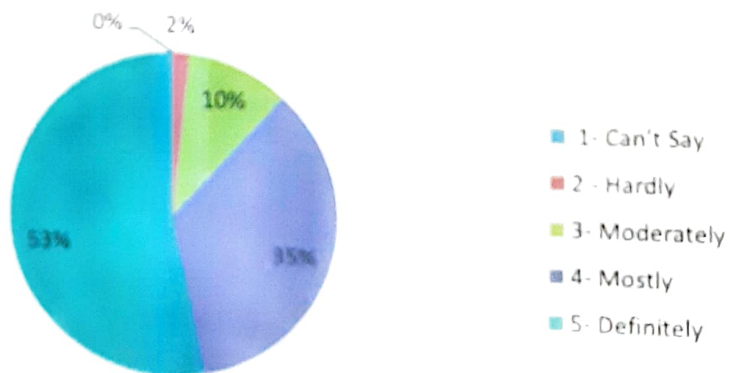
Score	No. of Students	Percent age (%)
1- Can't Say	0	0
2 - Hardly	0	0
3- Moderately	3	5
4- Mostly	28	47
5- Definitely	29	48
Total	60	100

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



1- Can't Say	0	0
2 - Hardly	1	2
3- Moderately	6	10
4- Mostly	21	35
5- Definitely	32	53
Total	60	100

CO2:: Illustrate the concept of emissionspectroscopy and describe the phenomena offluorescence and phosphorescence in relation to it.



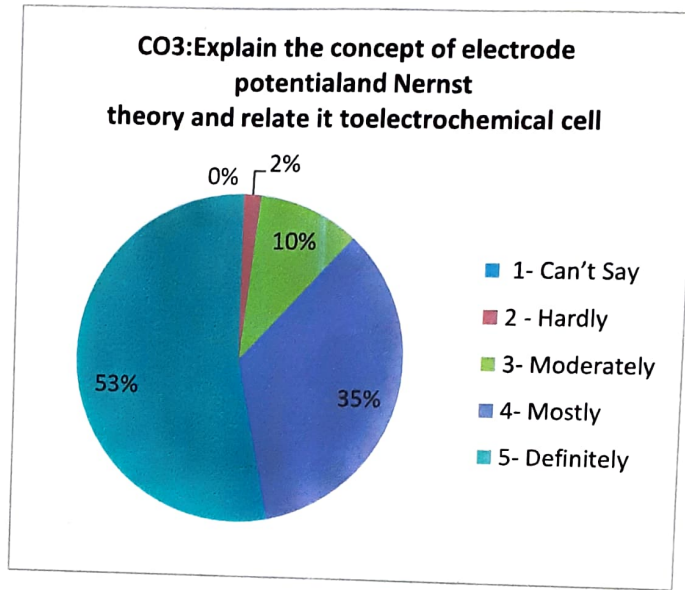


SARASWATI Education Society's
SARASWATI College of Engineering

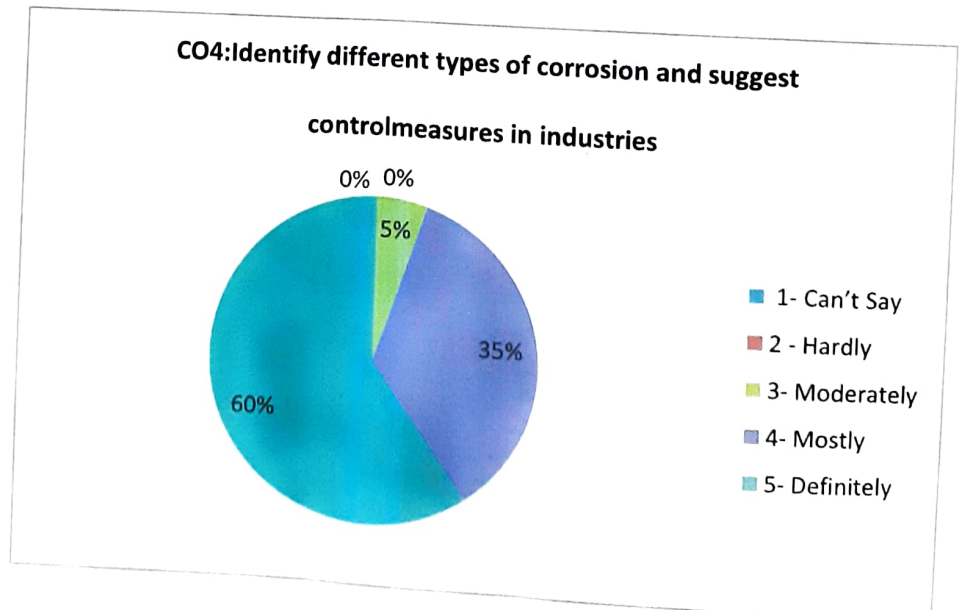
Learn Live Achieve and Contribute

Kharghar, Navi Mumbai - 410 210.

1- Can't Say	0	0
2 - Hardly	1	2
3- Moderately	6	10
4- Mostly	21	35
5- Definitely	32	53
Total	60	100

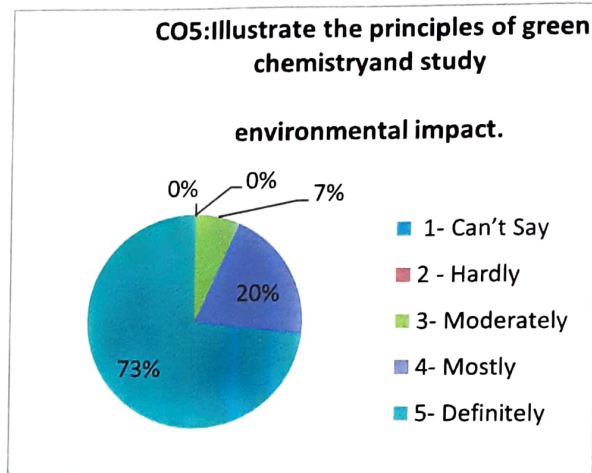


1- Can't Say	0	0
2 - Hardly	0	0
3- Moderately	3	5
4- Mostly	21	35
5- Definitely	36	60
Total	60	100

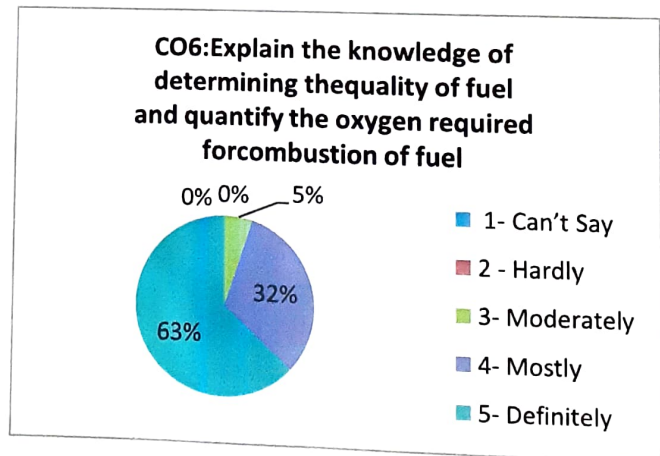




1- Can't Say	0	0
2 - Hardly	0	0
3- Moderately	4	7
4- Mostly	12	20
5- Definitely	44	73
Total	60	100



1- Can't Say	0	0
2 - Hardly	0	0
3- Moderately	3	5
4- Mostly	19	32
5- Definitely	38	63
Total	60	100



Sellk
 HOD-FE

[Signature]
PRINCIPAL
 Saraswati College of Engineering
 Kharghar, Navi Mumbai-410210



SARASWATI Education Society's
SARASWATI College of Engineering

Learn Live Achieve and Contribute

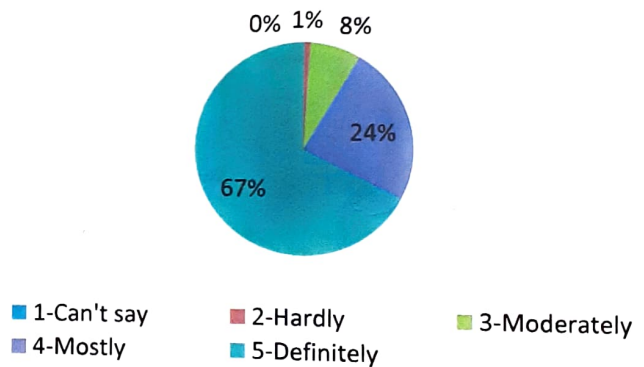
Kharghar, Navi Mumbai - 410 210.

**SARASWATI COLLEGE OF ENGINEERING, KHARGHAR, NAVI MUMBAI
 FIRST YEAR ENGINEERING DEPARTMENT**

**SUBJECT- ENGINEERING DRAWING (SEM II)
 ACADEMIC YEAR-2021-2022
 COURSE EXIT SURVEY**

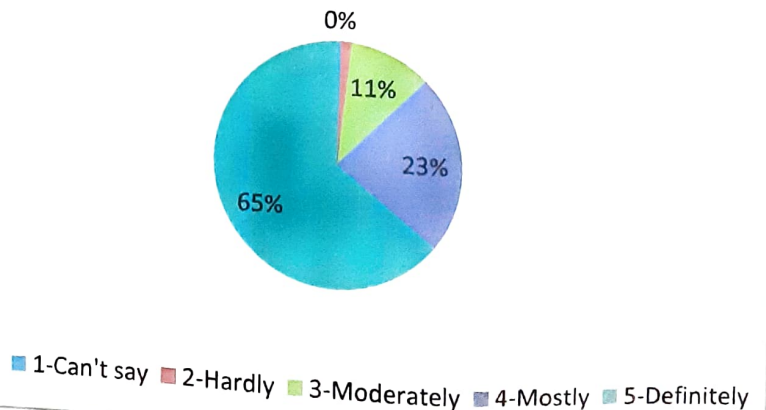
SCORE	No of Students	Percentage
1-Can't say	0	0
2-Hardly	2	1
3-Moderately	17	8
4-Mostly	54	24
5-Definitely	152	68
Total	225	100

CO1: On what scale, contents learned in practical/lecture hours are sufficient to understand course?



SCORE	No of Students	Percentage
1-Can't say	1	0
2-Hardly	3	1
3-Moderately	24	11
4-Mostly	52	23
5-Definitely	145	64
Total	225	100

CO2: Are you interested to study advanced contents of this subject?





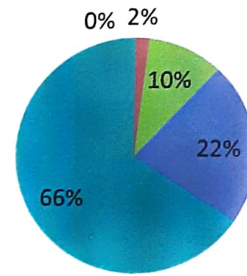
SARASWATI Education Society's
SARASWATI College of Engineering

Learn Live Achieve and Contribute

Kharghar, Navi Mumbai - 410 210.

SCORE	No of Students	Percentage
1-Can't say	0	0
2-Hardly	4	2
3-Moderately	23	10
4-Mostly	50	22
5-Definitely	148	66
Total	225	100

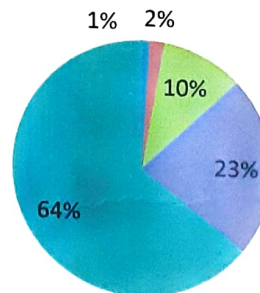
CO3: Indicate your level of understanding Of OrthoGraphic Projection?



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

SCORE	No of Students	Percentage
1-Can't say	2	1
2-Hardly	4	2
3-Moderately	23	10
4-Mostly	51	23
5-Definitely	145	64
Total	225	100

CO4: Indicate your level of understanding on plotting Isometric Views from A given Orthographic Views



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



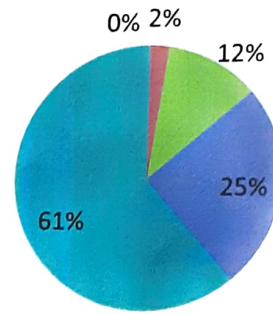
SARASWATI Education Society's
SARASWATI College of Engineering

Learn Live Achieve and Contribute

Kharghar, Navi Mumbai - 410 210.

SCORE	No of Students	Percentage
1-Can't say	0	0
2-Hardly	5	2
3-Moderately	26	12
4-Mostly	56	25
5-Definitely	138	61
Total	225	100

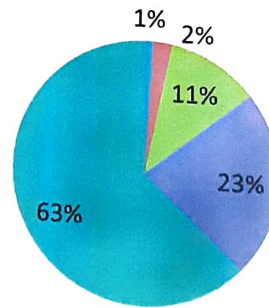
CO5: Indicate your level of understanding on Section Of Solids and Projection of Solids?



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

SCORE	No of Students	Percentage
1-Can't say	2	1
2-Hardly	5	2
3-Moderately	25	11
4-Mostly	51	23
5-Definitely	142	63
Total	225	100

CO6: Indicate your level of understanding of AutoCad Software for Orthographic Projections and Isometric views.



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

[Signature]
H.O.D
Engineering Sciences
and Humanities
SCOE

[Signature]
PRINCIPAL
Saraswati College of Engineering
Kharghar, Navi Mumbai-410210



SARASWATI Education Society's
SARASWATI College of Engineering

Learn Live Achieve and Contribute

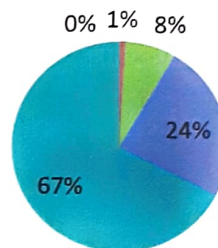
Kharghar, Navi Mumbai - 410 210.

**SARASWATI COLLEGE OF ENGINEERING, KHARGHAR, NAVI MUMBAI
 FIRST YEAR ENGINEERING DEPARTMENT**

**SUBJECT- ENGINEERING GRAPHICS (SEM II)
 ACADEMIC YEAR-2021-2022
 COURSE EXIT SURVEY**

SCORE	No of Students	Percentage
1-Can't say	0	0
2-Hardly	2	1
3-Moderately	17	8
4-Mostly	54	24
5-Definitely	152	68
Total	225	100

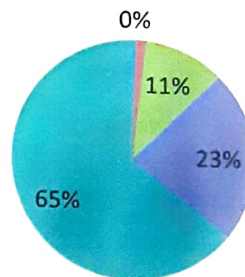
CO1: On what scale, contents learned in practical/lecture hours are sufficient to understand course?



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

SCORE	No of Students	Percentage
1-Can't say	1	0
2-Hardly	3	1
3-Moderately	24	11
4-Mostly	52	23
5-Definitely	145	64
Total	225	100

CO2: Are you interested to study advanced contents of this subject?



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



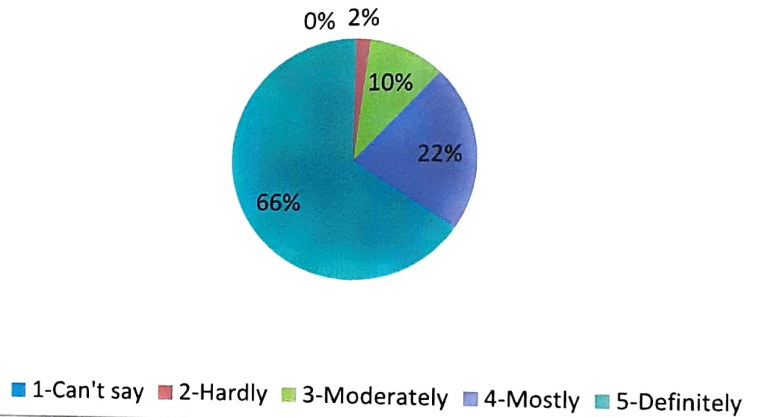
SARASWATI Education Society's
SARASWATI College of Engineering

Learn Live Achieve and Contribute

Kharghar, Navi Mumbai - 410 210.

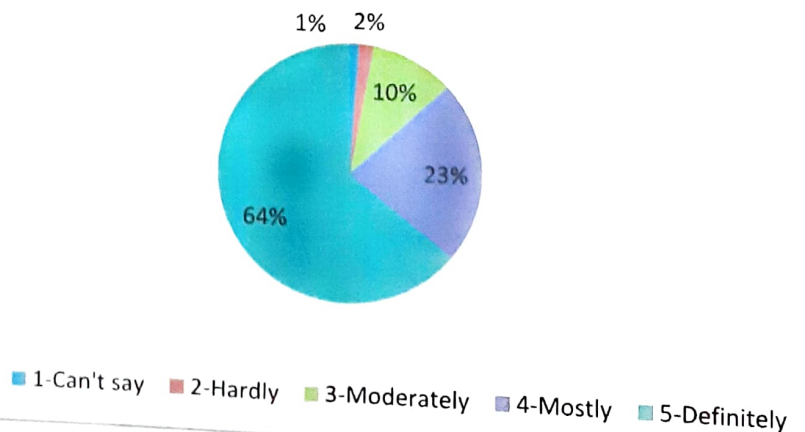
SCORE	No of Students	Percentage
1-Can't say	0	0
2-Hardly	4	2
3-Moderately	23	10
4-Mostly	50	22
5-Definitely	148	66
Total	225	100

CO3: Indicate your level of understanding Of OrthoGraphic Projection?



SCORE	No of Students	Percentage
1-Can't say	2	1
2-Hardly	4	2
3-Moderately	23	10
4-Mostly	51	23
5-Definitely	145	64
Total	225	100

CO4: Indicate your level of understanding on plotting Isometric Views from A given Orthographic Views





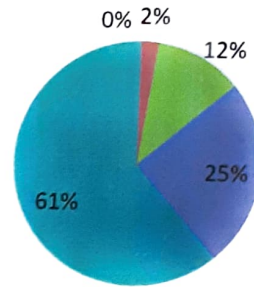
SARASWATI Education Society's
SARASWATI College of Engineering

Learn Live Achieve and Contribute

Kharghar, Navi Mumbai - 410 210.

SCORE	No of Students	Percentage
1-Can't say	0	0
2-Hardly	5	2
3-Moderately	26	12
4-Mostly	56	25
5-Definitely	138	61
Total	225	100

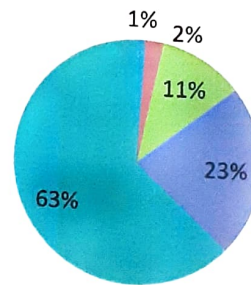
CO5: Indicate your level of understanding on Section Of Solids and Projection of Solids?



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

SCORE	No of Students	Percentage
1-Can't say	2	1
2-Hardly	5	2
3-Moderately	25	11
4-Mostly	51	23
5-Definitely	142	63
Total	225	100

CO6: Indicate your level of understanding of AutoCad Software for Orthographic Projections and Isometric views.



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

S. Deek
 HOD-FE

[Signature]
 Saraswati College of Engineering
 Kharghar, Navi Mumbai - 410210



Department of First Year Engineering

Academic Year: 2021-22

Course Exit Analysis Report (SEM II)

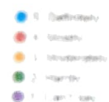
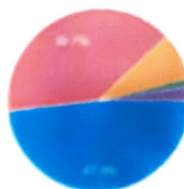
Subject – Professional Communication & Ethics I (DIV D)

Subject Teacher – Dr. Neha Sharma

Score	No. of Students	Percentage (%)
1- Can't Say	2	2.7
2 - Hardly	1	1.4
3- Moderately	6	8.2
4- Mostly	29	39.7
5- Definitely	35	47.9
Total	73	100

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

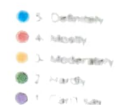
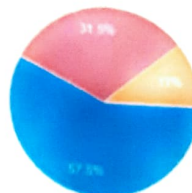
73 responses



Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	0	0
3- Moderately	8	11
4- Mostly	23	31.5
5- Definitely	42	57.5
Total	73	100

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

73 responses





SARASWATI Education Society's
SARASWATI College of Engineering

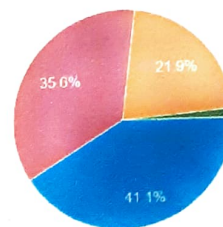
Learn Live Achieve and Contribute

Kharghar, Navi Mumbai - 410 210.

Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	1	1.4
3- Moderately	16	21.9
4- Mostly	26	35.6
5- Definitely	30	41.1
Total	73	100

CO-3: Speak effectively at social, academic and business situations.

73 responses

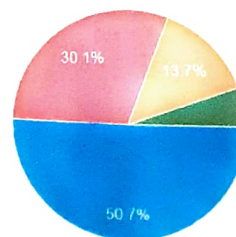


- 5- Definitely
- 4- Mostly
- 3- Moderately
- 2- Hardly
- 1- Can't say

Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	4	5.5
3- Moderately	10	13.7
4- Mostly	22	30.1
5- Definitely	37	50.7
Total	73	100

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

73 responses



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



SARASWATI Education Society's
SARASWATI College of Engineering

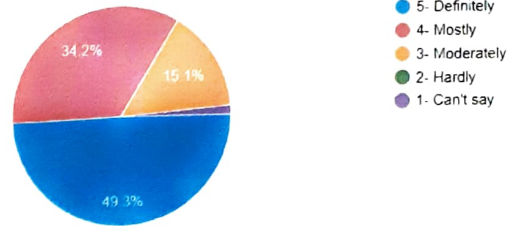
Learn Live Achieve and Contribute

Kharghar, Navi Mumbai - 410 210.

Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	1	1.4
3- Moderately	11	15.1
4- Mostly	25	34.2
5- Definitely	36	49.3
Total	73	100

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

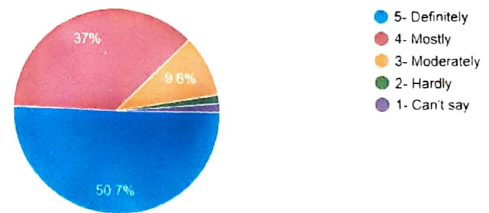
73 responses



Score	No. of Students	Percentage (%)
1- Can't Say	1	1.4
2 - Hardly	1	1.4
3- Moderately	7	9.6
4- Mostly	27	37
5- Definitely	37	50.7
Total	73	100

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

73 responses



[Handwritten Signature]
H.O.D
 Engineering Sciences
 and
 Computer Sciences
SCOE

[Handwritten Signature]
PRINCIPAL
Saraswati College of Engineering
Kharghar, Navi Mumbai-410210



Department of First Year Engineering

Academic Year: 2021-22

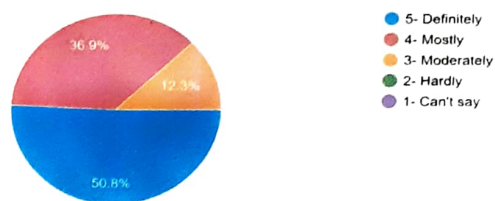
Course Exit Analysis Report (SEM II)

Subject – Professional Communication & Ethics I (DIV B)

Subject Teacher – Prof. Sima Singh.

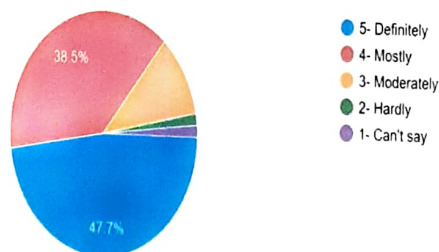
Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	0	0
3- Moderately	8	12.3
4- Mostly	24	36.9
5- Definitely	33	50.8
Total	65	100

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



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

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.5
2 - Hardly	1	1.5
3- Moderately	7	10.8
4- Mostly	25	38.5
5- Definitely	31	47.7
Total	65	100





SARASWATI Education Society's
SARASWATI College of Engineering

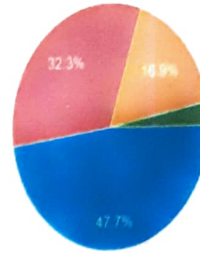
Learn Live Achieve and Contribute

Kharghar, Navi Mumbai - 410 210.

CO-3: Speak effectively at social, academic and business situations.

65 responses

Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	2	3.1
3- Moderately	11	16.9
4- Mostly	21	32.3
5- Definitely	31	47.7
Total	65	100

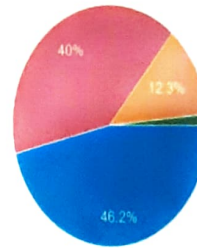


- 5- Definitely
- 4- Mostly
- 3- Moderately
- 2- Hardly
- 1- Can't say

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

65 responses

Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	1	1.5
3- Moderately	8	12.3
4- Mostly	26	40
5- Definitely	30	46.2
Total	65	100



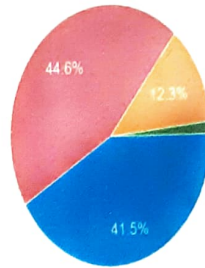
- 5- Definitely
- 4- Mostly
- 3- Moderately
- 2- Hardly
- 1- Can't say



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

65 responses

Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	1	1.5
3- Moderately	8	12.3
4- Mostly	29	44.6
5- Definitely	27	41.5
Total	65	100

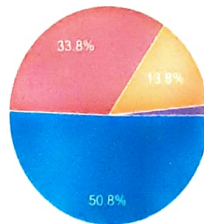


- 5- Definitely
- 4- Mostly
- 3- Moderately
- 2- Hardly
- 1- Can't say

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

65 responses

Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	1	1.5
3- Moderately	9	13.8
4- Mostly	32	33.8
5- Definitely	33	50.8
Total	65	100



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

[Handwritten Signature]

H.O.D
 Engineering Sciences
 and Humanities
 SCOE

[Handwritten Signature]
 -PRINCIPAL

Saraswati College of Engineering
 Kharghar, Navi Mumbai - 410 210



Department of First Year Engineering

Academic Year: 2021-22

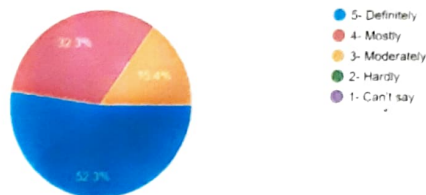
Course Exit Analysis Report (SEM II)

Subject – Professional Communication & Ethics I (DIV C)

Subject Teacher – Prof. Sima Singh.

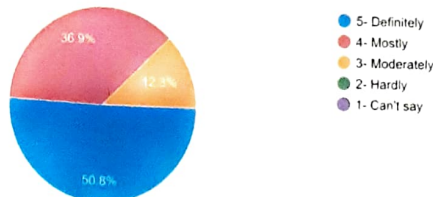
Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	0	0
3- Moderately	10	15.4
4- Mostly	21	32.3
5- Definitely	34	52.3
Total	65	100

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



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

Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	0	0
3- Moderately	8	12.3
4- Mostly	24	36.9
5- Definitely	33	50.8
Total	65	100





CO-3: Speak effectively at social, academic and business situations.
 65 responses

Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	1	1.5
3- Moderately	15	23.1
4- Mostly	21	32.3
5- Definitely	28	43.1
Total	65	100



Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	0	0
3- Moderately	12	18.5
4- Mostly	20	30.8
5- Definitely	33	50.8
Total	65	100

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





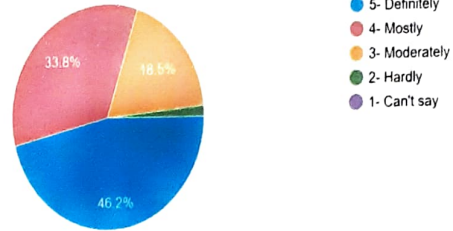
SARASWATI Education Society's
SARASWATI College of Engineering

Learn Live Achieve and Contribute

Kharghar, Navi Mumbai - 410 210.

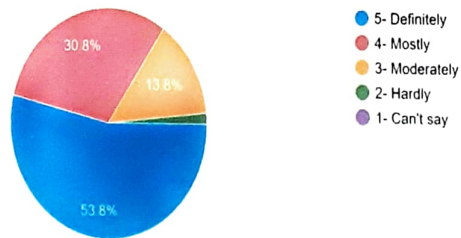
Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	1	1.5
3- Moderately	12	18.5
4- Mostly	22	33.8
5- Definitely	30	46.2
Total	65	100

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



Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	1	1.5
3- Moderately	9	13.8
4- Mostly	20	30.8
5- Definitely	35	53.8
Total	65	100

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



[Signature]
 H.O.D
 Engineering Sciences
 and Humanities
 2022

[Signature]
 PRINCIPAL
 Saraswati College of Engineering
 Kharghar, Navi Mumbai - 410210

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 students

Academic year 2021 - 2022 (SEM II)

Summary of feedback (Semester II):

All students of SEM II 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
- Needs more practice on Double and Triple integration
- Time given to complete the syllabus is not sufficient for SPA and other subjects
- More Number of Sessions on AutoCAD are expected by Students

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	Needs more practice on Double and Triple integration	Arranged practice session for students on Double and Triple integration.	As required
2	Time given to complete the syllabus is not sufficient for SPA and other subjects	Extra lectures, some practical's and introduce NPTEL Course	During lecture session
3	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.	As per requirement of subject

HOD

PRINCIPAL