



Department of Automobile Engineering

Academic Year: 2020-2021(EVEN SEM)

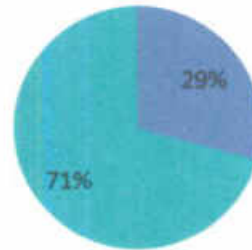
Course Exit Analysis Report (Sem III)

Subject: Strength of Materials

Subject In-charge: Prof. Sagar Khatavkar

Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	0	0
3- Moderately	0	0
4- Mostly	5	29
5- Definitely	12	71
Total	17	100

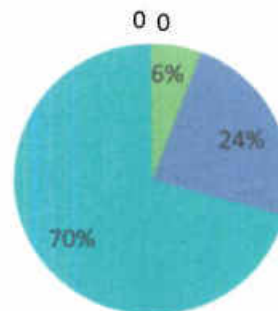
CO 1: Are you able to Analyse the Direct Tensile And Compressive stresses , Temlerature Stresses?



■ 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	0	0
3- Moderately	1	6
4- Mostly	4	24
5- Definitely	12	70
Total	17	100

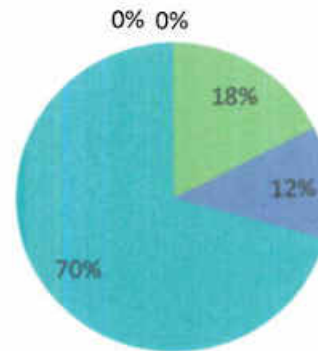
CO 2: Are you able to Anlyse the Shear Force and Bending Moment on different type beams and also are u able to draw the Required SFD , BMD and AFD?



■ 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	0	0
3- Moderately	3	18
4- Mostly	2	12
5- Definitely	12	70
Total	17	100

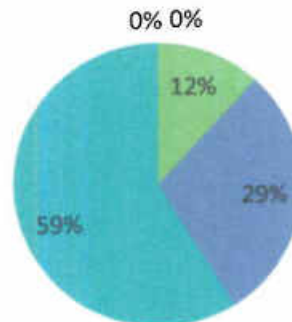
CO 3: Are you able to find the Bending stresses and Shearing Stress on the different type of Cross Section of the beams?



■ 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	0	0
3- Moderately	2	12
4- Mostly	5	29
5- Definitely	10	59
Total	17	100

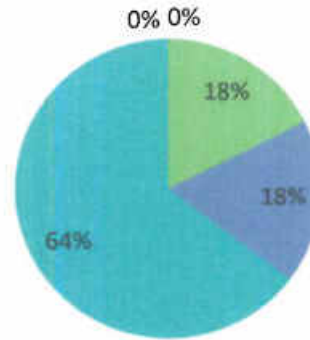
CO 4 :Are you able to Analyse the Torsion in Circular shaft and also the Strain Energy in different types of Loading conditions?



■ 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	0	0
3- Moderately	3	18
4- Mostly	3	18
5- Definitely	11	64
Total	17	100

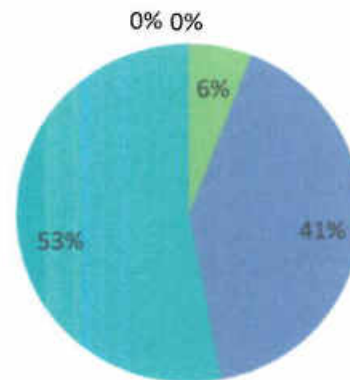
CO 5: Are you able to Analyze Hoop's Stress , Longitudinal Stress, Maximum shear Stress and corresponding deformations in the thin cylindrical Shells?



■ 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	0	0
3- Moderately	1	6
4- Mostly	7	41
5- Definitely	9	53
Total	17	100

CO 6: Are you able to analyse the crippling load on the Long Columns with different end conditions?



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


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Department of Automobile Engineering

Academic Year: 2020-2021(ODD SEM)

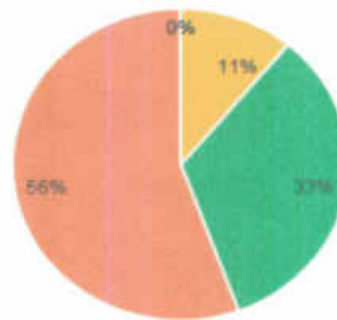
Course Exit Analysis Report (Sem III)

Subject: Thermodynamics

Subject In-charge: Prof. Vishnudas Chodankar

Score	No. of Students	Percentage
1- Can't Say	0	0
2 - Hardly	0	0
3- Moderately	2	11
4- Mostly	6	33
5- Definitely	10	56
Total	18	100

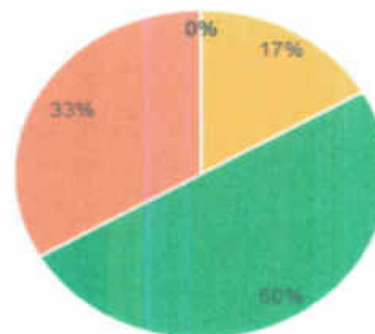
CO1.Are you able to understand the basic concept of thermodynamics and application of first law of thermodynamics to various systems ?



• 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	0	0
3- Moderately	3	17
4- Mostly	9	50
5- Definitely	6	33
Total	18	100

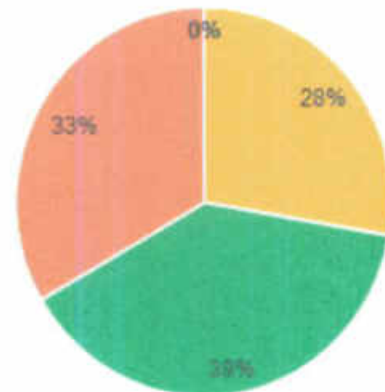
CO2.Are you able to understand the concept of Second law of thermodynamics and Entropy ?



• 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	0	0
3- Moderately	5	28
4- Mostly	7	39
5- Definitely	6	33
Total	18	100

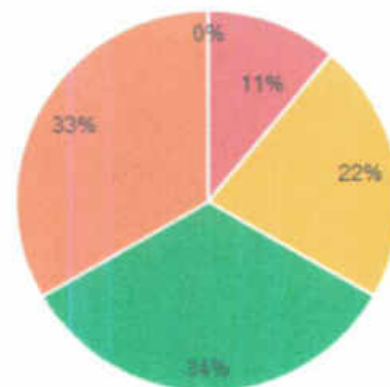
CO3. Are you able to understand the classification of grade of energy ?



• 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	2	11
3- Moderately	4	22
4- Mostly	6	33
5- Definitely	6	33
Total	18	100

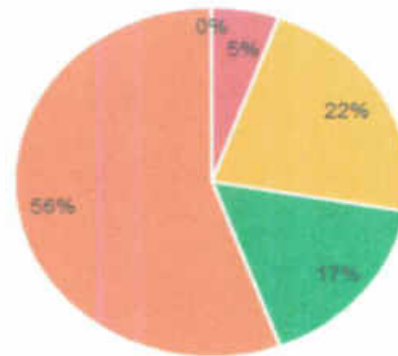
CO4. are you able to understand the basic concepts of steam formation process and vapour power cycles ?



• 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	6
3- Moderately	4	22
4- Mostly	3	17
5- Definitely	10	56
Total	18	100

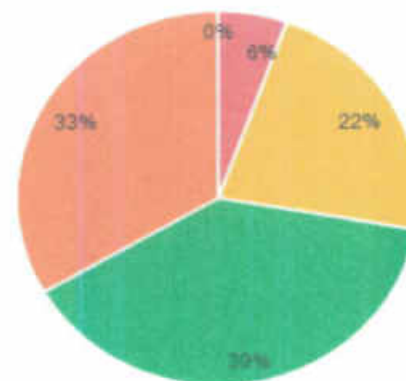
CO5. Are you able to apply the concept of various gas power cycle to solve problems ?



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

Score	No of Student	Percentage
1- Can't Say	0	0
2 - Hardly	1	6
3- Moderately	4	22
4- Mostly	7	39
5- Definitely	6	33
Total	18	100

CO6. Are you able to understand fundamentals of compressible fluid flow ?



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


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Department of Automobile Engineering

Academic Year: 2020-2021(EVEN SEM)

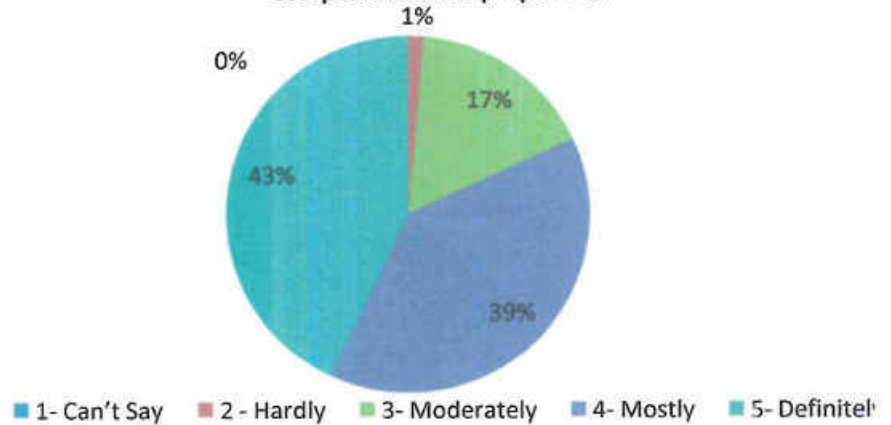
Course Exit Analysis Report (Sem III)

**Subject: Mechanical Measurements
 and Control**

Subject In-charge: Prof. Sagar Khatavkar

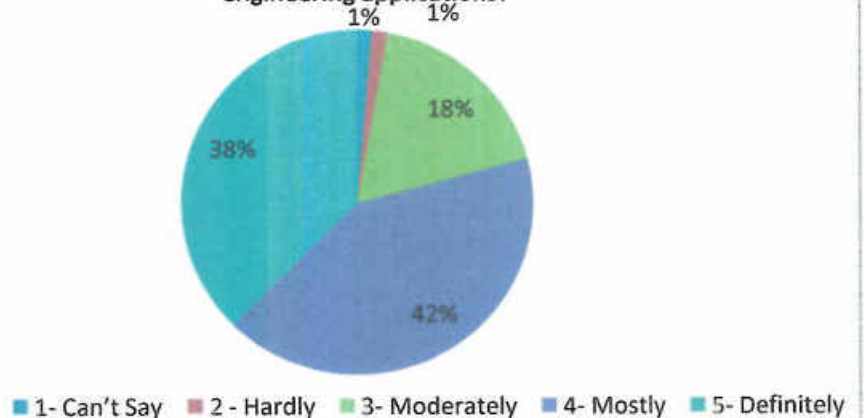
Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	1	1
3- Moderately	8	17
4- Mostly	19	39
5- Definitely	21	43
Total	49	100

CO 1: Are you able to identify various Classes of materials and comprehend their properties?



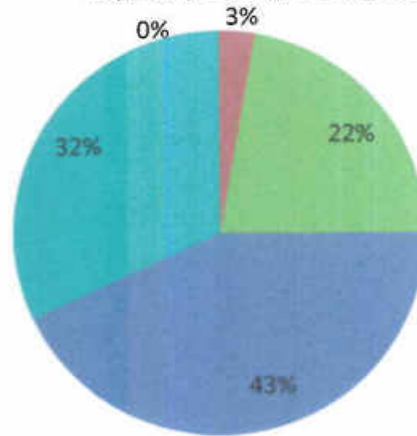
Score	No. of Students	Percentage (%)
1- Can't Say	1	1
2 - Hardly	1	1
3- Moderately	8	18
4- Mostly	20	42
5- Definitely	18	38
Total	49	100

CO 2: Are you able to apply phase diagram concepts to engineering applications?



Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	2	3
3- Moderately	10	22
4- Mostly	21	43
5- Definitely	15	32
Total	49	100

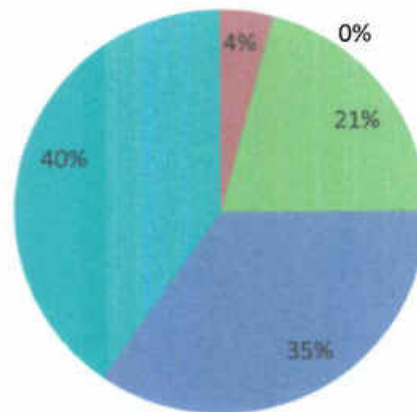
CO 3: Are you able to apply particular heat treatment for required property development?



■ 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	2	4
3- Moderately	10	21
4- Mostly	17	35
5- Definitely	19	40
Total	49	100

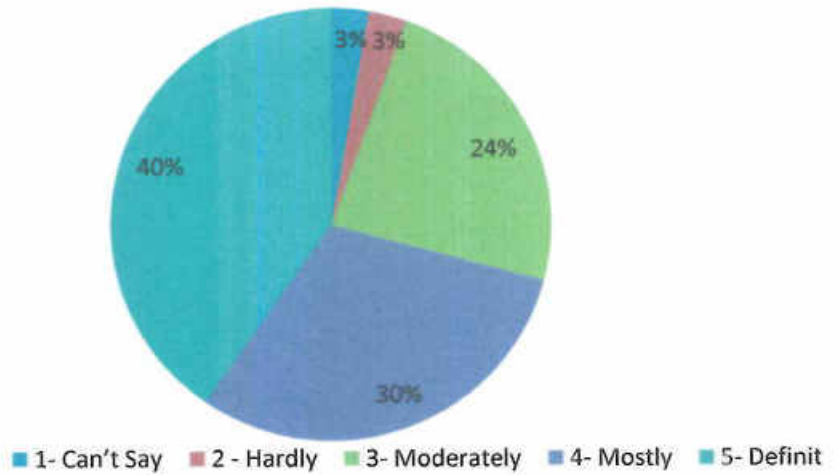
CO 4: Are you able to identify the probable mode of failure in materials and suggest measures to prevent them?



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

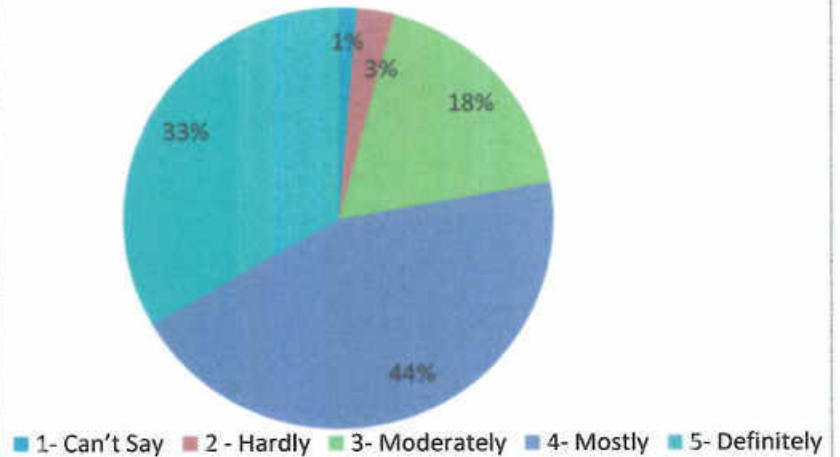
Score	No. of Students	Percentage (%)
1- Can't Say	2	3
2 - Hardly	2	3
3- Moderately	11	24
4- Mostly	15	31
5- Definitely	20	40
Total	49	100

CO 5: Are you able to Choose or develop new materials for better performance?



Score	No. of Students	Percentage (%)
1- Can't Say	1	1
2 - Hardly	2	3
3- Moderately	8	18
4- Mostly	20	44
5- Definitely	16	33
Total	72	100

CO 6: Are you able to decide an appropriate method to evaluate different components in service?




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Department of Automobile

Engineering Academic Year: 2020-21

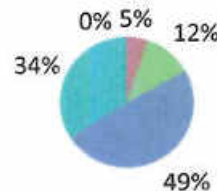
Course Exit Analysis Report (SEM III)

Subject – Engineering Mathematics III

Subject Teacher - Prof. Shirish Kulkarni

Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	3	5.1
3- Moderately	6	11.9
4- Mostly	24	49.2
5- Definitely	17	33.9
Total	49	100

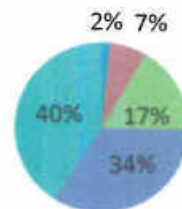
co 1: Have you understood the concept of inverse Laplace transform of various functions in engineering problems.



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

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.4
2 - Hardly	2	2.7
3- Moderately	7	17.8
4- Mostly	25	52.1
5- Definitely	12	26
Total	49	100

co 2: Are you able to find orthogonal trajectories and analytic function by using basic concepts of complex variable theory.

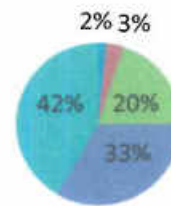


■ 1- Can't Say ■ 2 - Hardly ■ 3- Moderately
 ■ 4- Mostly ■ 5- Definitely



Score	No. of Students	Percentage (%)
1- Can't Say	1	1.4
2 - Hardly	2	3.4
3- Moderately	16	33.1
4- Mostly	19	39.7
5- Definitely	21	42.4
Total	49	100

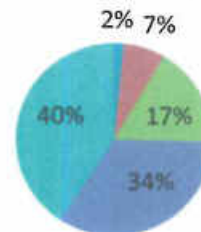
co3:Are you able to solve Partial differential equations by applying numerical solution and analytical methods for one dimensional heat and wave equations.



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

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.7
2 - Hardly	4	6.8
3- Moderately	8	16.9
4- Mostly	16	33.9
5- Definitely	19	40.7
Total	49	100

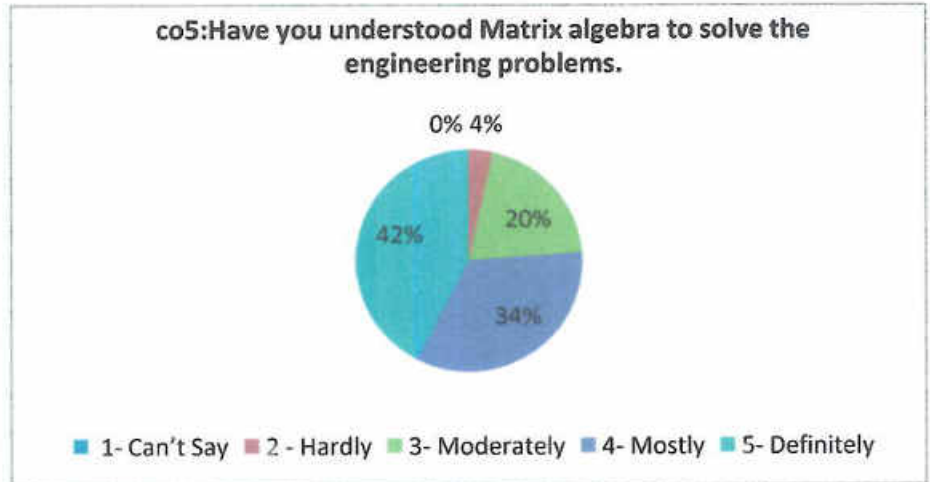
co4:Are you able to find orthogonal trajectories and analytic function by using basic concepts of complex variable theory.



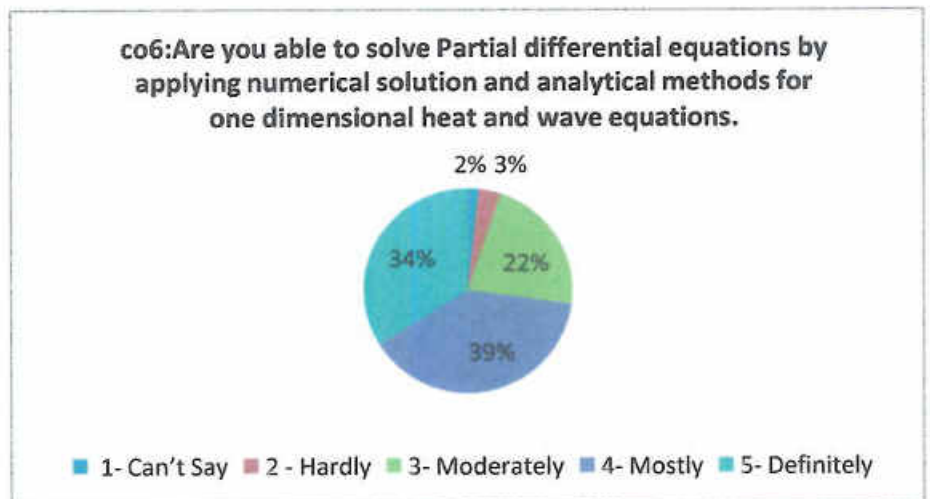
■ 1- Can't Say ■ 2 - Hardly ■ 3- Moderately ■ 4- Mostly ■ 5- Definitely



Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	2	3.4
3- Moderately	9	20.3
4- Mostly	16	33.9
5- Definitely	20	42.4
Total	49	100



Score	No. of Students	Percentage (%)
1- Can't Say	1	1.4
2 - Hardly	2	3.4
3- Moderately	09	22
4- Mostly	19	39
5- Definitely	17	33.9
Total	49	100




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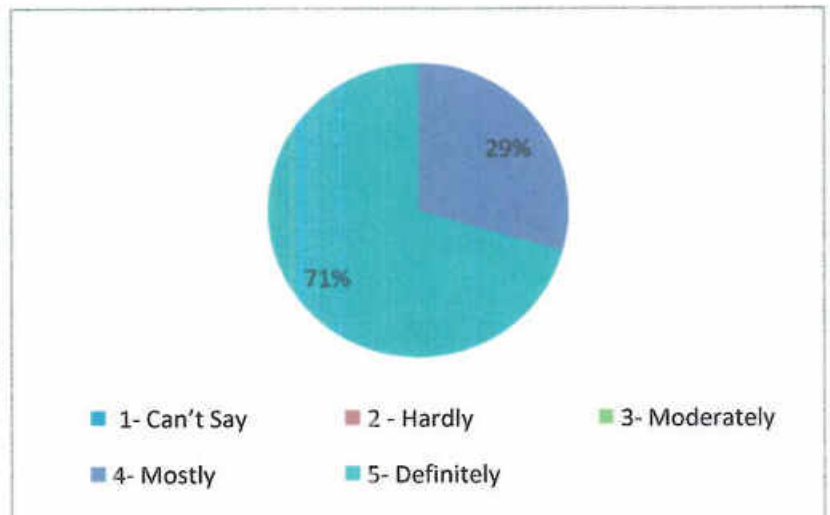
Course Exit Analysis Report (Sem III)

Subject: CAD CAM

Subject In-charge: Prof. Sagar Khatavkar

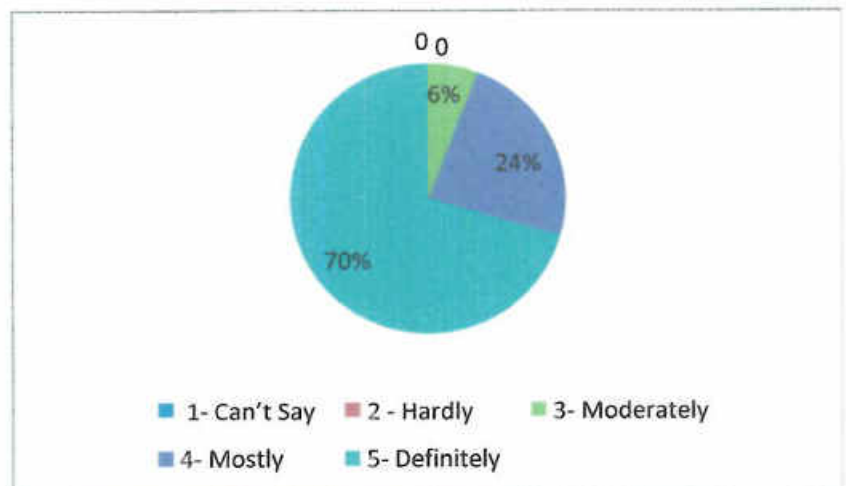
CO 1: Are you able to Analyse the Direct Tensile And Compressive stresses , Temlerature Stresses?

Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	0	0
3- Moderately	0	0
4- Mostly	5	29
5- Definitely	12	71
Total	17	100



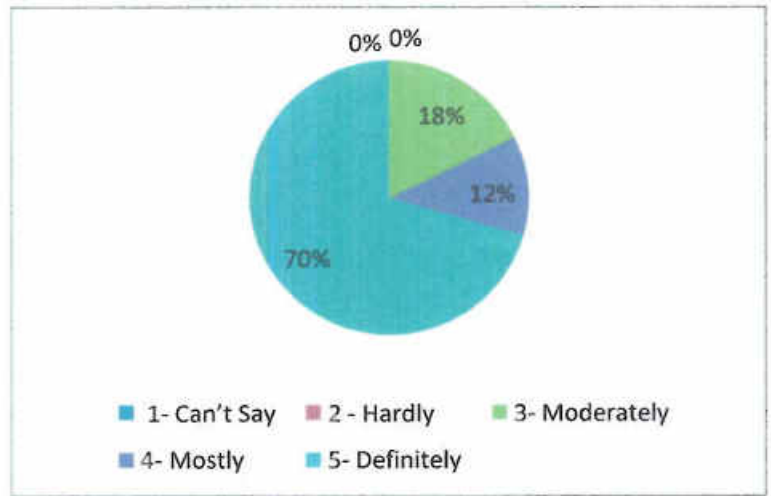
CO 2: Are you able to Anlyse the Shear Force and Bending Moment on different type beams and also are u able to draw the Required SFD , BMD and AFD?

Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	0	0
3- Moderately	1	6
4- Mostly	4	24
5- Definitely	12	70
Total	17	100



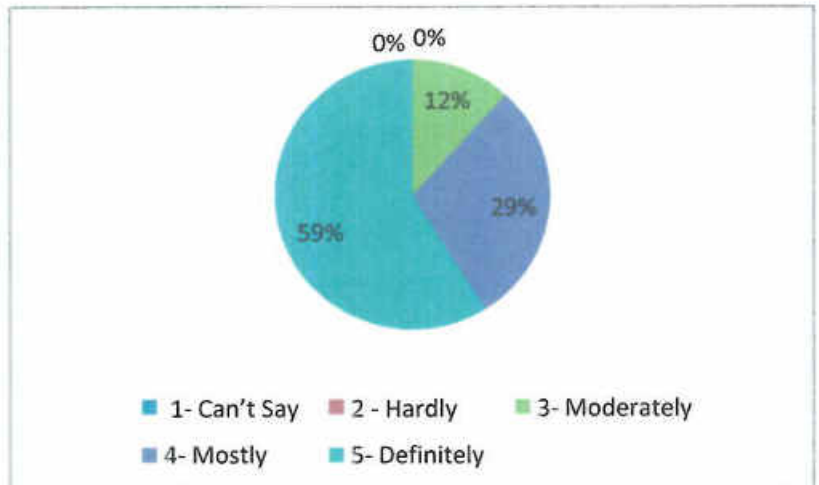
CO 3: Are you able to find the Bending stresses and Shearing Stress on the different type of Cross Section of the beams?

Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	0	0
3- Moderately	3	18
4- Mostly	2	12
5- Definitely	12	70
Total	17	100



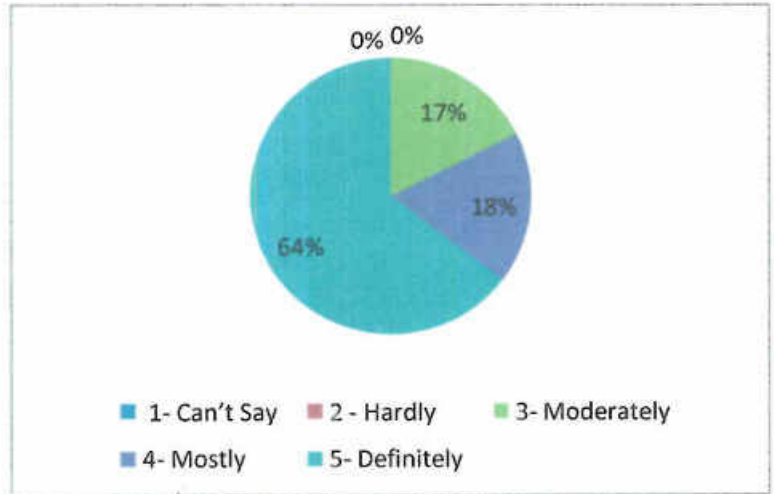
CO 4 : Are you able to Analyse the Torsion in Circular shaft and also the Strain Energy in different types of Loading conditions?

Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	0	0
3- Moderately	2	12
4- Mostly	5	29
5- Definitely	10	59
Total	17	100



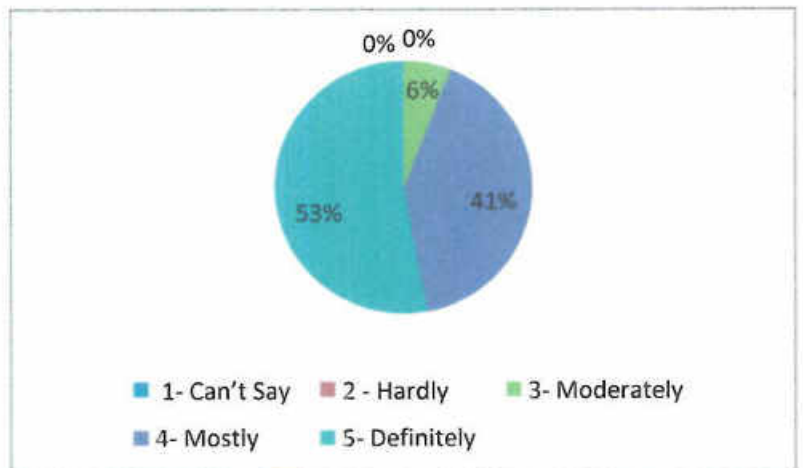
CO 5: Are you able to Analyze Hoop's Stress , Longitudinal Stress, Maximum shear Stress and corresponding deformations in the thin cylindrical Shells?

Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	0	0
3- Moderately	3	18
4- Mostly	3	18
5- Definitely	11	64
Total	17	100



CO 6: Are you able to analyse the crippling load on the Long Columns with different end conditions?

Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	0	0
3- Moderately	1	6
4- Mostly	7	41
5- Definitely	9	53
Total	17	100




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Action Taken Report on Student's Feedback

Department: Automobile Engineering

Action taken report on Feedback received from the Students in Academic Year 2020-2021.

SEM: SEM III

Year: SE

Sr. No.	Subject	Faculty	Feedback/concern	Action Taken
1	TD	Prof. Vishnu Chodankar	Animated Videos for learning about Gas Power cycles should be included in the topic.	Videos's shared with students for better understanding. https://www.youtube.com/watch?v=rkQmRLfnbNE https://www.youtube.com/watch?v=7YXRe4GvUf4&list=PLj6j6tB7jyr8Wpeiul3rkaCJ5iO4YATQf
2	PP	Prof. Soni Jaiswal	Most of the students are satisfied that the course content goes well with the CO's. Practical like joining Process and Casting to be added.	Videos of actual process.explanation with industrial approach. https://www.youtube.com/watch?v=2ClcvB72dmk https://www.youtube.com/watch?v=C6lluYI19Xk
3	MM	Prof.Supriya Khapre	Most of the students are satisfied that the course content goes well with the CO's. knowledge on practical material selection and processing.	Shown case study, Shared Videos of actual process.explanation with industrial approach https://www.youtube.com/watch?v=LhUclxBUV



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Action Taken Report on Student's Feedback

Department: Automobile Engineering

4	AM III	Prof. Madhukar Andhale	Syllabus contents are very good which will suitable for future learning	NPTEL Videos for some topics were provided. https://www.youtube.com/watch?v=XU5hUrh6-18&list=PLEAYkSg4uSQ2_NCXudMUvjJIwdZdr1p0f&index=2 https://www.youtube.com/watch?v=YssdtWqMZ9o&list=PLEAYkSg4uSQ2_NCXudMUvjJIwdZdr1p0f&index=3
5	SOM	Prof. Sagar Khatavkar	Students are expecting the GATE based Questions to be included in the syllabus. More Numericals are Required to be solved	NPTEL Videos for GATE Based Questions were provided. https://youtube.com/playlist?list=PLbP4qbTd-5UfbzcWgQ3EY-GeLs5Feg95V

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Department of Automobile Engineering

Academic Year: 2020-21

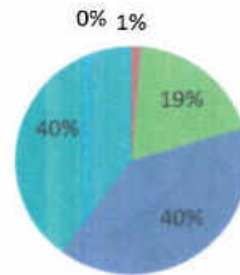
Course Exit Analysis Report (SEM IV)

Subject – Engineering Mathematics IV

Subject Teacher - Prof. Shirish Kulkarni

Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	1	1.4
3- Moderately	13	19.2
4- Mostly	19	39.7
5- Definitely	19	39.7
Total	43	100

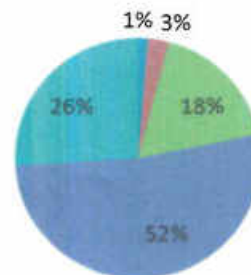
CO1: Have you understood concept of Vector calculus to evaluate line integrals, surface integrals using Green's theorem, Stoke's theorem & Gauss Divergence theorem



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

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.4
2 - Hardly	2	2.7
3- Moderately	7	17.8
4- Mostly	28	52.1
5- Definitely	09	26
Total	43	100

CO 2: Have you understood the concepts of Complex Integration for , computing residues & evaluate various contour integrals.

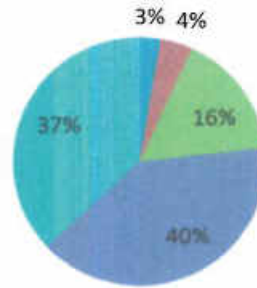


■ 1- Can't Say ■ 2 - Hardly ■ 3- Moderately ■ 4- Mostly ■ 5- Definitely



Score	No. of Students	Percentage (%)
1- Can't Say	2	2.7
2 - Hardly	3	4.1
3- Moderately	12	16.4
4- Mostly	29	39.7
5- Definitely	27	37
Total	73	100

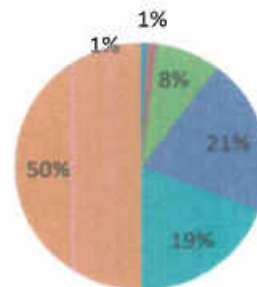
CO3: Are you able to the concept of Correlation, Regression and curve fitting to the engineering problems in data science.



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

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.4
2 - Hardly	2	2.7
3- Moderately	09	16.4
4- Mostly	20	41.1
5- Definitely	18	38.4
Total	43	100

CO 4: Are you able to understanding of the concepts of probability and expectation for getting the spread of the data and distribution of probabilities.

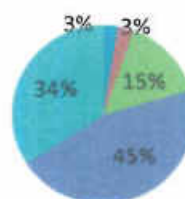


■ 1- Can't Say ■ 2 - Hardly ■ 3- Moderately
 ■ 4- Mostly ■ 5- Definitely ■ Total



Score	No. of Students	Percentage (%)
1- Can't Say	2	2.7
2 - Hardly	2	2.7
3- Moderately	09	15.1
4- Mostly	23	45.2
5- Definitely	15	34.2
Total	43	100

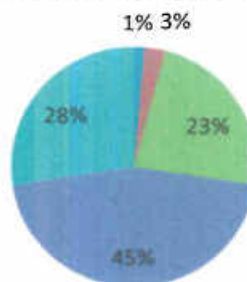
CO 5: Have you understood the concept of probability distribution to engineering problems & testing hypothesis of small samples using sampling theory



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

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.4
2 - Hardly	2	2.7
3- Moderately	07	23.3
4- Mostly	23	45.2
5- Definitely	10	27.4
Total	43	100

CO 6: Are you able to the concepts of parametric and non parametric tests for analyzing practical problems



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

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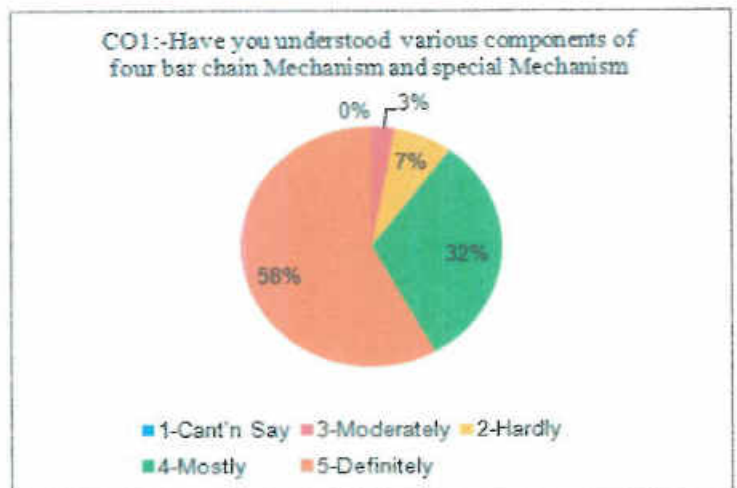
Department of Automobile Engineering

Academic Year: - 2020-2021 (EVEN SEM)

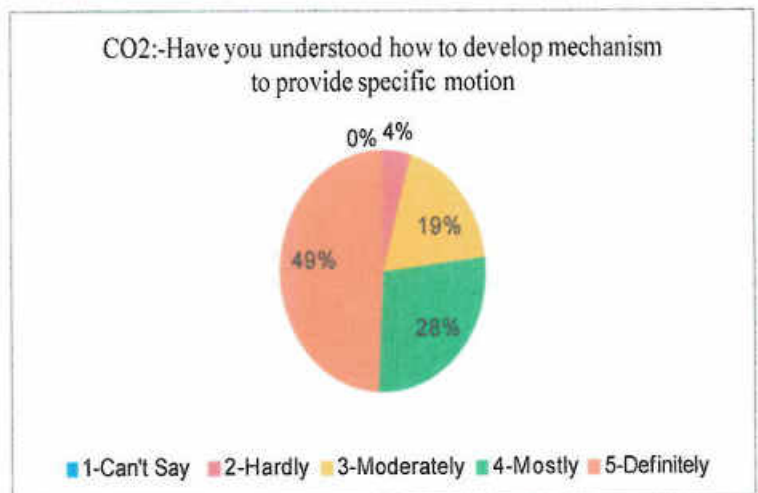
Subject: - Kinematics of Machinery (Sem:- IV)

Subject In charge:- Prof. Soni Jaiswal

Score	No of Students	Percentage
1-Can't Say	0	0%
2-Hardly	1	3%
3-Moderately	3	7%
4-Mostly	09	32%
5-Definitely	19	58%
Total	43	

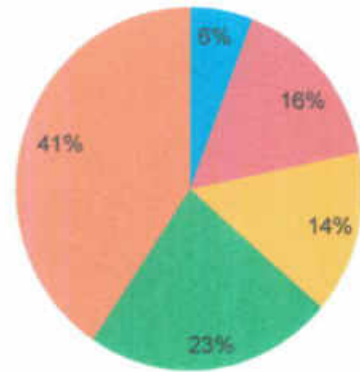


Score	No of Students	Percentage
1-Can't Say	0	0%
2-Hardly	1	4%
3-Moderately	5	19%
4-Mostly	06	28%
5-Definitely	18	49%
Total	43	



Score	No of Students	Percentage
1-Can't Say	2	6%
2-Hardly	09	16%
3-Moderately	07	14%
4-Mostly	10	23%
5-Definitely	15	41%
Total	43	

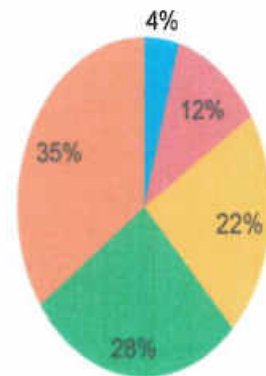
CO3:-Are you be able to select appropriate power transmission for specific application



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

Score	No of Students	Percentage
1-Can't Say	2	4%
2-Hardly	6	12%
3-Moderately	09	22%
4-Mostly	10	28%
5-Definitely	14	35%
Total	43	

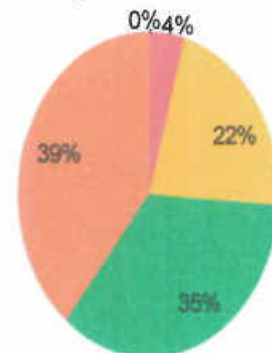
CO4:-Have you understood how to draw velocity acceleration diagram of various mechanism



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

Score	No of Students	Percentage
1-Can't Say	0	0%
2-Hardly	3	4%
3-Moderately	09	22%
4-Mostly	10	35%
5-Definitely	14	39%
Total	43	

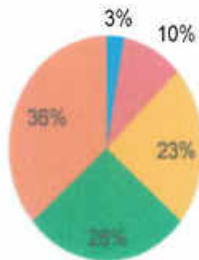
CO5:-Have you understood how to draw cam profile for the specific follower motion



■ 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	3	4%
3-Moderately	09	22%
4-Mostly	14	35%
5-Definitely	17	39%
Total	43	

CO6:-Have you understood the analysis of forces in various gear



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

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Action Taken Report
Department: Automobile Engineering

Action taken report on Feedback received from the Students in Academic Year 2020-2021.

SEM: SEM IV

Year: SE

Sr. No.	Subject	Faculty	Feedback/concern	Action Taken
1	KOM	Prof. Soni Jaiswal	More Numericals are Required to be solved	More Numericals were solved during remaining time in practical session
2	FM	Prof. Namita Thandan	videos based on content in the syllabus need to be shown.	Videos on various topics shared with the students https://youtu.be/jmM0A75Gs eg https://youtu.be/V_3cBRzMt_4
3	EM IV	Prof. Siddhesh Lad	Application based video should be provided	NPTEL video link on some topics shared with the students Title: Complex analysis https://youtu.be/yV_v6zxA https://youtu.be/vq2oaeQb XmQ Title: Vector Calculus https://youtu.be/v3ZC4Mo 1fS0 https://youtu.be/rveuCHNk aC4
4	TD	Prof. Vishnu Chodankar	Animated videos based on content in the syllabus need to be included	Animated and industry videos shown to students https://youtube.com/playlist?l

				ist=PLbMVogVj5nJTZJHsH6uLCO00I-ffGyBEm
5	CAD CAM	Prof. Siddhesh Lad	More practical example should be provided	Shown case study to students https://youtube.com/playlist?list=PLFW6IRTa1g808_CfYhZKdv2eXplAQiAwS https://drive.google.com/file/d/1DZHFtHMzLZFOnmEyM03IJ62X3ufIBx_L/view?usp=sharing


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Engineering Academic Year: 2020-21

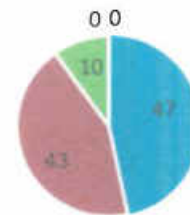
Course Exit Analysis Report (Sem V)

Subject – FEA

Subject Teacher – Prof. Naita Tangan

Score	No. of Students	Percentage (%)
1- Definitely	14	47
2- Mostly	13	43
3- Moderately	3	10
4 - Hardly	0	0
5- Can't Say	0	0
Total	30	100

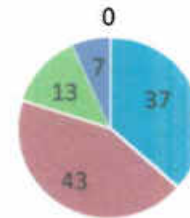
CO1.Are you able to solve differential equations using weighted residual methods?



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

Score	No. of Students	Percentage (%)
1- Definitely	11	37
2- Mostly	13	43
3- Moderately	4	13
4 - Hardly	2	7
5- Can't Say	0	0
Total	30	100

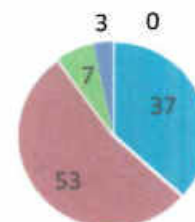
CO1.Are you able to solve differential equations using weighted residual methods?



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

Score	No. of Students	Percentage (%)
1- Definitely	11	37
2- Mostly	16	53
3- Moderately	2	7
4 - Hardly	1	3
5- Can't Say	0	0
Total	30	100

CO1.Are you able to solve differential equations using weighted residual methods?

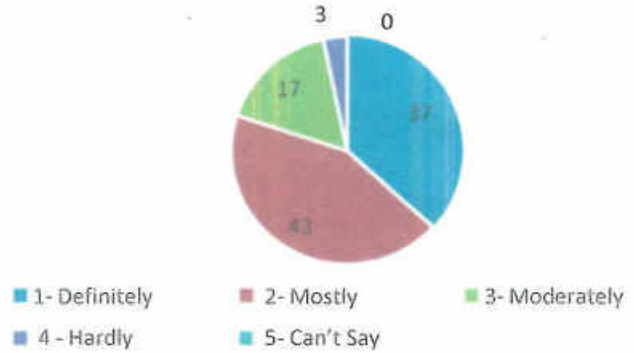


■ 1- Definitely ■ 2- Mostly ■ 3- Moderately
 ■ 4 - Hardly ■ 5- Can't Say



Score	No. of Students	Percentage (%)
1- Definitely	11	37
2- Mostly	13	43
3- Moderately	5	17
4 - Hardly	1	3
5- Can't Say	0	0
Total	30	100

CO4. Are you able to apply the basic finite element formulation techniques to solve engineering problems by using two dimensional elements?



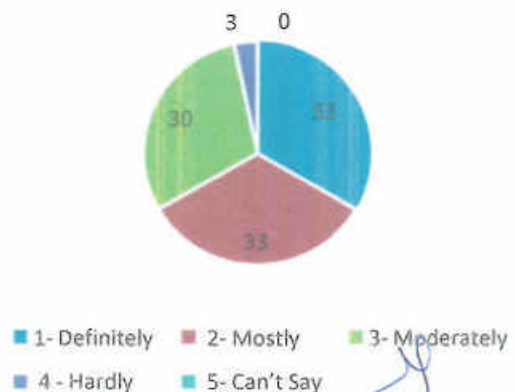
Score	No. of Students	Percentage (%)
1- Definitely	11	37
2- Mostly	16	53
3- Moderately	3	10
4 - Hardly	0	0
5- Can't Say	0	0
Total	30	100

CO5. Are you able to apply the basic finite element formulation techniques to find natural frequency of single degree of vibration system?



Score	No. of Students	Percentage (%)
1- Definitely	10	33
2- Mostly	10	33
3- Moderately	9	30
4 - Hardly	1	3
5- Can't Say	0	0
Total	30	100

CO6. Are you able to use commercial FEA software, to solve problems related to mechanical engineering?



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Department of Automobile

Engineering Academic Year: 2020-

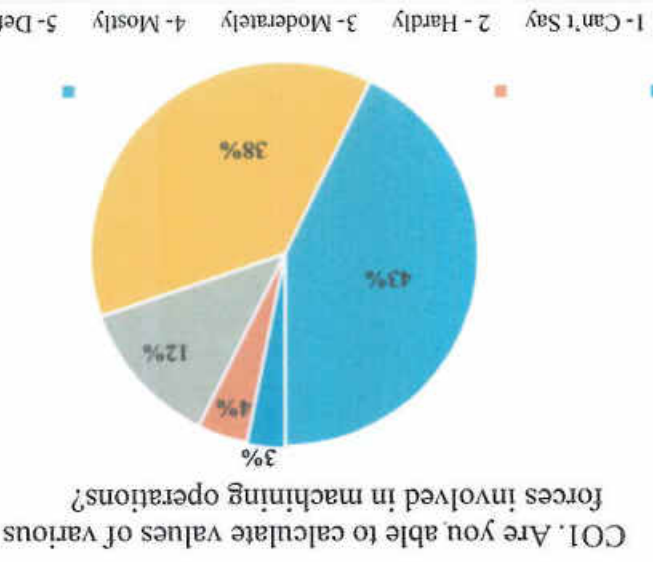
2021(ODD SEM) Course Exit Analysis

Report (Sem V)

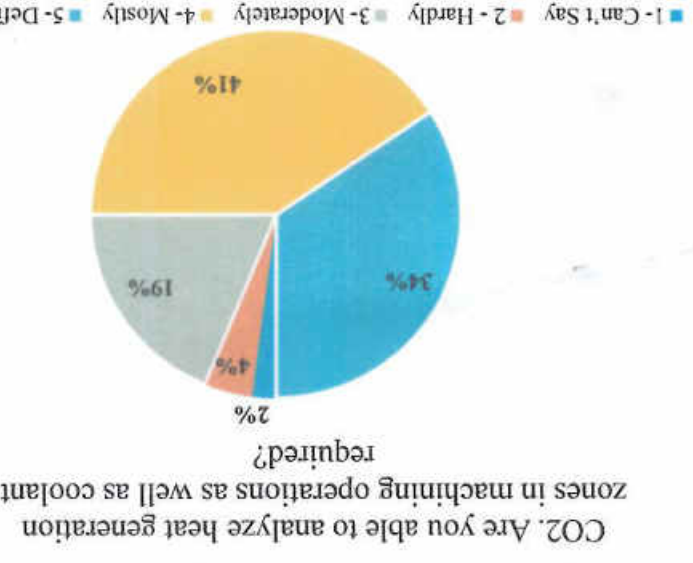
Subject: Press tool Design

Subject In-charge: Prof. Taqui Quazi

Score	No. of Students	Percentage (%)
1 - Can't Say	20	42
2 - Hardly	18	38
3 - Moderately	6	13
4 - Mostly	2	4
5 - Definitely	2	3
Total	49	100



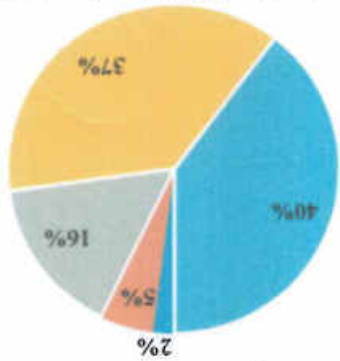
Score	No. of Students	Percentage (%)
1 - Can't Say	1	2
2 - Hardly	2	4
3 - Moderately	9	19
4 - Mostly	20	41
5 - Definitely	16	34
Total	49	100



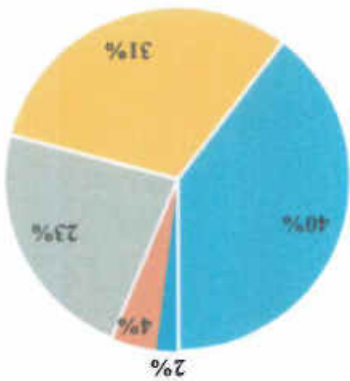
Score	No. of Students	Percentage (%)
1 - Can't Say	1	2
2 - Hardly	3	5
3 - Moderately	8	16
4 - Mostly	18	38
5 - Definitely	19	40
Total	49	100

Score	No. of Students	Percentage (%)
1 - Can't Say	1	2
2 - Hardly	2	4
3 - Moderately	11	23
4 - Mostly	15	31
5 - Definitely	19	40
Total	49	100

CO4. Are you able to demonstrate the inter-relationship between cutting parameters and life, surface finish?



CO3. Are you able to select appropriate tool material for particular machining operation?



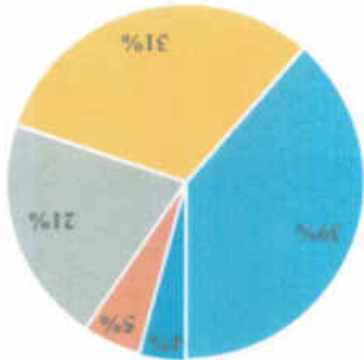
1- Can't Say 2 - Hardly 3 - Moderately 4 - Mostly 5 - Definitely

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

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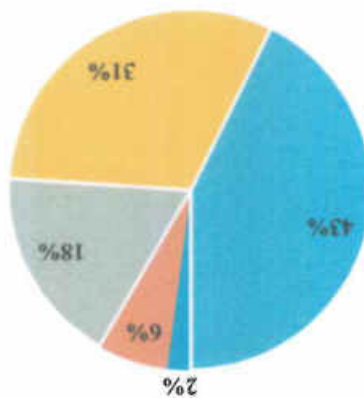

■ 1- Can't Say ■ 2 - Hardly ■ 3- Moderately ■ 4- Mostly ■ 5- Definitely



Q06. Are you able to design various multipoint cutting tools along with designs of shanks and inserts?

Score	No. of Students	Percentage (%)
1- Can't Say	2	4
2 - Hardly	3	5
3- Moderately	10	21
4- Mostly	15	31
5- Definitely	19	39
Total	49	100

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



Q05. Are you able to design various single point cutting tool and its nomenclatures?

Score	No. of Students	Percentage (%)
1- Can't Say	1	2
2 - Hardly	3	6
3- Moderately	8	18
4- Mostly	15	31
5- Definitely	21	43
Total	49	100



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Engineering Academic Year: 2020-

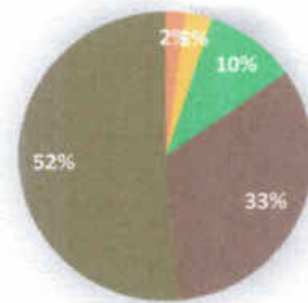
2021(ODD SEM) **Course Exit Analysis**

Report (Sem V) Subject: MMC

Subject In-charge: Prof. Namita
 Thangan

Score	No. of Students	Percentage (%)
1- Can't Say	1	2
2 - Hardly	2	3
3- Moderately	5	10
4- Mostly	16	33
5- Definitely	25	52
Total	49	100

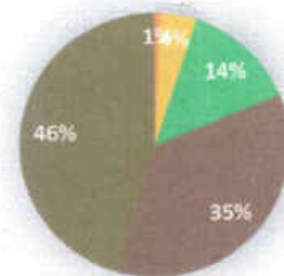
CO1. Are you able to Apply appropriate instrumentation tools to make measurements of physical quantities



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

Score	No. of Students	Percentage (%)
1- Can't Say	1	1
2 - Hardly	2	4
3- Moderately	6	14
4- Mostly	17	36
5- Definitely	22	46
Total	49	100

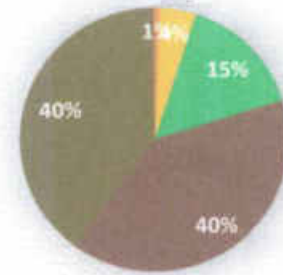
CO2. Are you able to Identify different fundamentals for solving engineering problems



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

Score	No. of Students	Percentage (%)
1- Can't Say	1	1
2 - Hardly	2	4
3- Moderately	7	15
4- Mostly	19	40
5- Definitely	19	40
Total	49	100

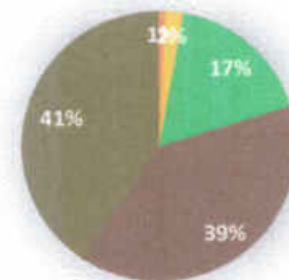
CO3. Are you able to Analysis of system through the application of various test inputs and generating information for improvisation in design of system



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

Score	No. of Students	Percentage (%)
1- Can't Say	1	1
2 - Hardly	2	2
3- Moderately	8	17
4- Mostly	19	39
5- Definitely	20	41
Total	49	100

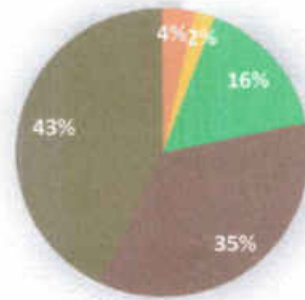
CO4. Are you able to Apply engineering mathematics and computations to solve mathematical models for control system



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

Score	No. of Students	Percentage (%)
1- Can't Say	2	4
2 - Hardly	1	2
3- Moderately	7	16
4- Mostly	17	36
5- Definitely	21	43
Total	49	100

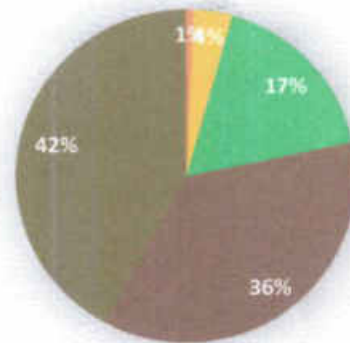
CO5. Are you able to analyze and evaluate the system in time and frequency domain and interpret the stability



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

Score	No. of Students	Percentage (%)
1- Can't Say	1	1
2 - Hardly	2	4
3- Moderately	8	17
4- Mostly	17	36
5- Definitely	20	42
Total	49	100

CO6. Are you able to Apply bode plot techniques to solve mathematical models for control system?



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


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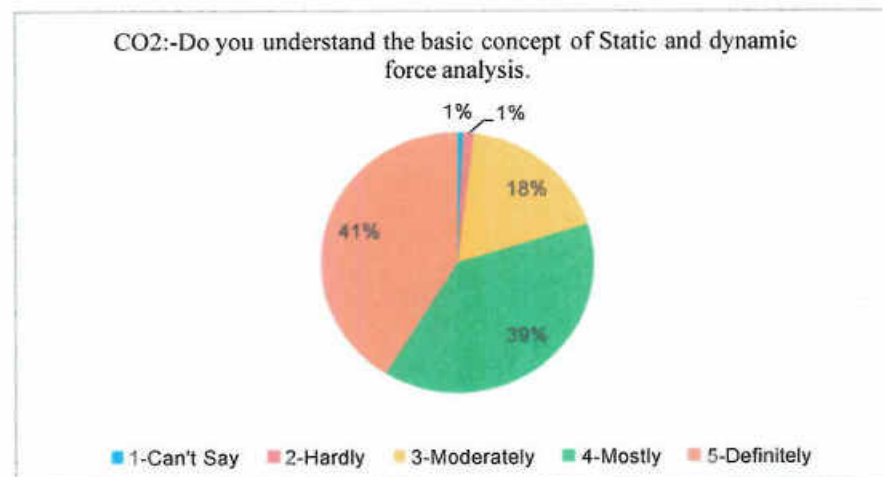
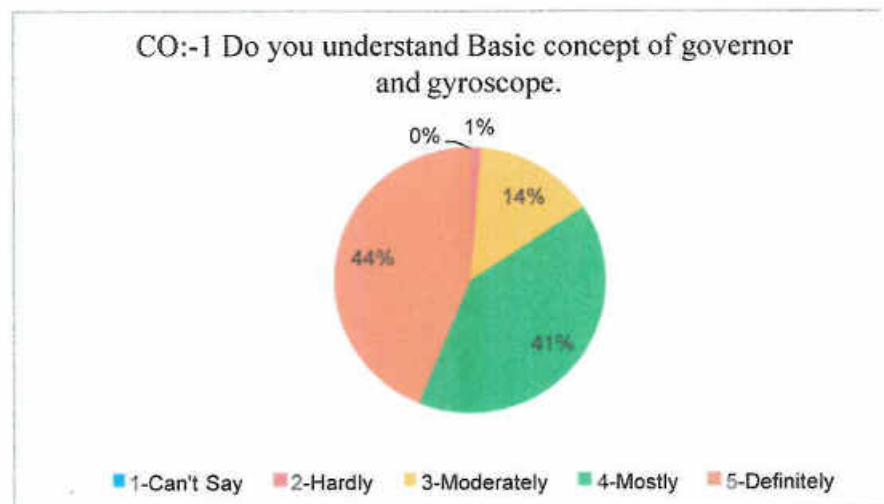
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Department of Automobile Engineering
Course Exit Analysis Report (ODD SEM)
Academic Year: - 2020-2021 Semester:-V
Subject: - Automotive System
Subject In charge: -Prof. Supriya Khapre

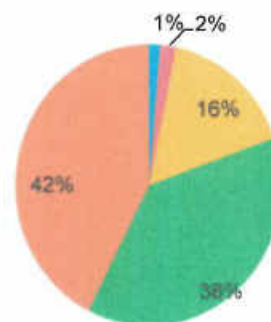
Score	No of Students	Percentage
1-Can'tSay	0	0
2-Hardly	1	1
3-Moderately	7	14
4-Mostly	20	41
5-Definitely	22	44
TOTAL	52	100

Score	No of Students	Percentage
1-Can'tSay	1	0
2-Hardly	1	1
3-Moderately	9	14
4-Mostly	20	41
5-Definitely	22	44
TOTAL	52	100



Score	No of Students	Percentage
1-Can't Say	1	1
2-Hardly	2	2
3-Moderately	7	16
4-Mostly	19	38
5-Definitely	21	42
TOTAL	52	100

CO3:-Are you able to solve problems based on natural frequency of element /system.

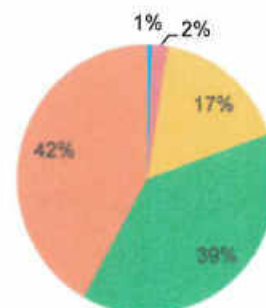


■ 1-Can't Say ■ 2-Hardly ■ 3-Moderately ■ 4-Mostly ■ 5-Definitely

Score	No of Students	Percentage
1-Can't Say	1	1
2-Hardly	2	2
3-Moderately	8	17
4-Mostly	19	39
5-Definitely	22	42
TOTAL	52	100

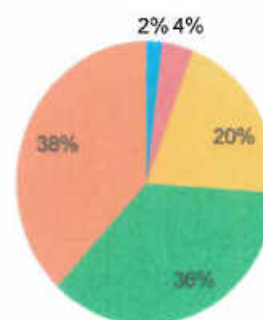
Score	No of Students	Percentage
1-Can't Say	2	2
2-Hardly	4	4
3-Moderately	10	20
4-Mostly	17	36
5-Definitely	18	38
TOTAL	52	100

CO4:-Are you able to solve problems based on Free Damped Single Degree of Freedom Vibration System.



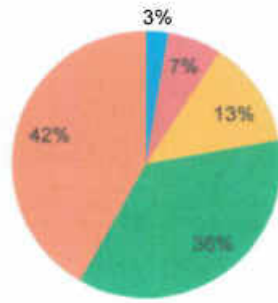
■ 1-Can't Say ■ 2-Hardly ■ 3-Moderately ■ 4-Mostly ■ 5-Definitely

CO5:-Are you able to solve problems based on vibration isolation system.



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

CO6:-Do you understand Basic concept of balancing of forces and couples.



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

Score	No of Students	Percentage
1-Can't Say	3	3
2-Hardly	6	7
3-Moderately	8	13
4-Mostly	17	36
5-Definitely	20	42
TOTAL	52	100


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Department of Automobile

Engineering Academic Year: 2020-

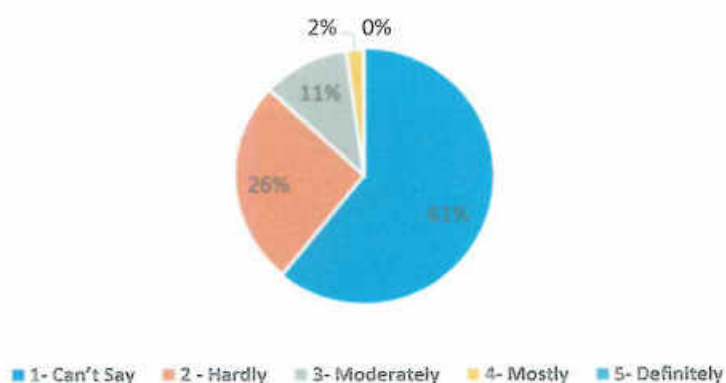
2021(ODD SEM) **Course Exit Analysis**

Report (Sem V) Subject: HT

Subject In-charge: Prof. Vishnudas Ch0dankar

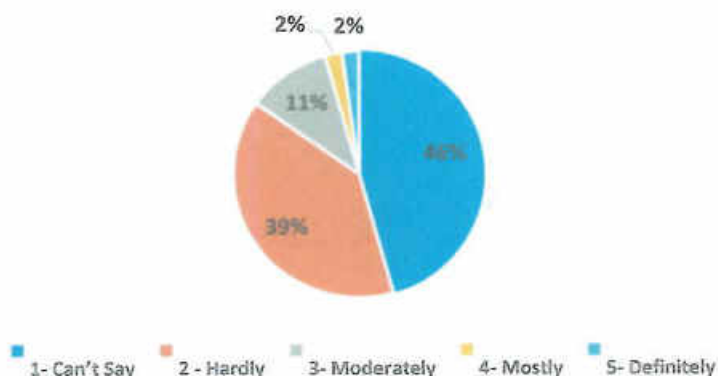
Score	No. of Students	Percentage (%)
1- Can't Say	28	61
2 - Hardly	12	26
3- Moderately	5	11
4- Mostly	1	2
5- Definitely	0	0
Total	46	100

CO 1: Are you able to identify the three modes of heat transfer



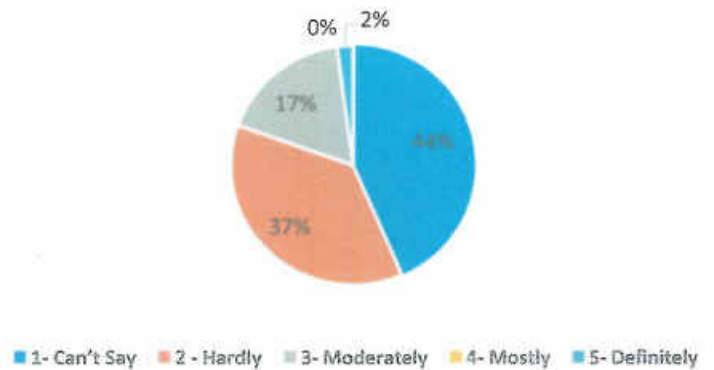
Score	No. of Students	Percentage (%)
1- Can't Say	21	46
2 - Hardly	18	39
3- Moderately	5	11
4- Mostly	1	2
5- Definitely	1	2
Total	46	100

CO2: Are you able to solve problems on steady state conduction.



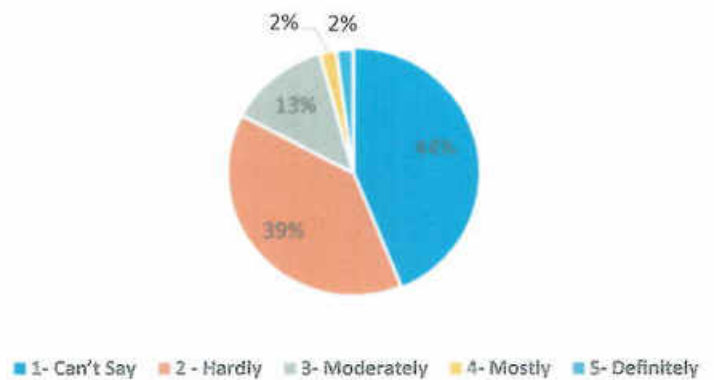
Score	No. of Students	Percentage (%)
1- Can't Say	20	44
2 - Hardly	17	37
3- Moderately	8	17
4- Mostly	0	0
5- Definitely	1	2
Total	46	100

CO 3: Are you able to solve problems on unsteady state conduction and Fins.



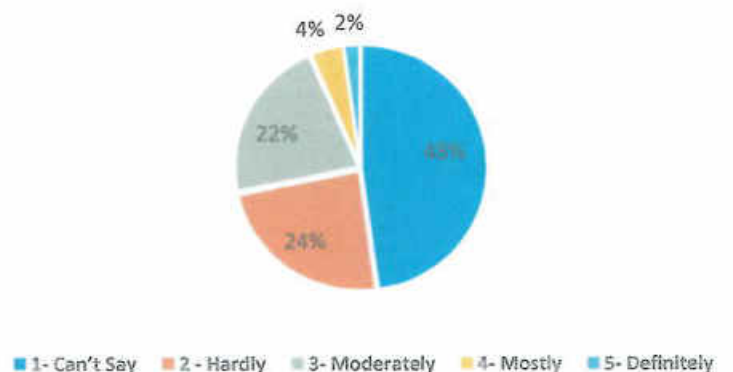
Score	No. of Students	Percentage (%)
1- Can't Say	20	43
2 - Hardly	18	39
3- Moderately	6	13
4- Mostly	1	2
5- Definitely	1	2
Total	46	100

CO 4: Are you able to solve problems based on natural and forced convection.



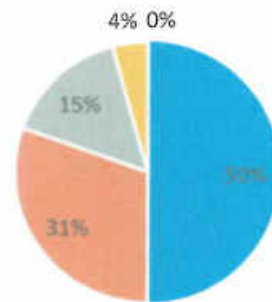
Score	No. of Students	Percentage (%)
1- Can't Say	22	48
2 - Hardly	11	24
3- Moderately	10	22
4- Mostly	2	4
5- Definitely	1	2
Total	46	100

CO 5: Are you able to solve problems based Thermal Radiation



Score	No. of Students	Percentage (%)
1- Can't Say	22	50
2 - Hardly	11	30
3- Moderately	10	15
4- Mostly	2	4
5- Definitely	1	0
Total	46	100

CO 6 Are you able to Analyse different heat exchangers and quantify their performance



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

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Department of Automobile Engineering

Academic Year: 2020-2021(ODD SEM)

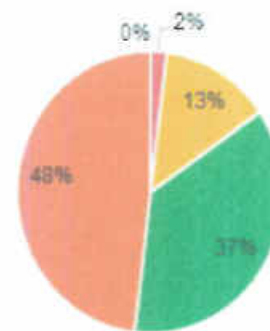
Course Exit Analysis Report (Sem V)

Subject: Internal Combustion Engine

Subject In-charge: Prof. Amit Patil

Score	No of Student	Percentage
1- Can't Say	0	0
2 - Hardly	1	2
3- Moderately	7	13
4- Mostly	19	37
5- Definitely	25	48
Total	52	100

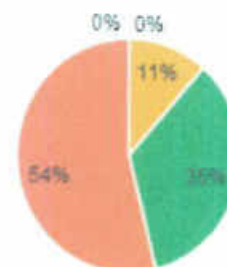
CO1. Are you able to understand air standard fuel cycles and concept to solve problems?



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

Score	No of Student	Percentage
1- Can't Say	0	0
2 - Hardly	0	0
3- Moderately	6	12
4- Mostly	18	35
5- Definitely	28	54
Total	52	100

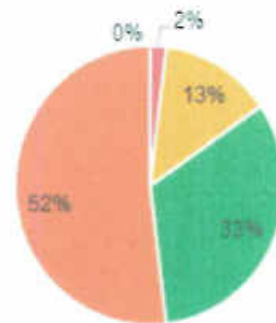
CO2. Are you able to understand SI ENGINE components, emission system and combustion processes?



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

Score	No of Student	Percentage
1- Can't Say	0	0
2 - Hardly	1	2
3- Moderately	7	13
4- Mostly	17	33
5- Definitely	27	52
Total	52	100

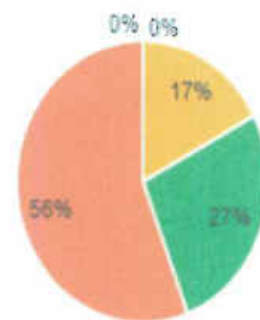
CO3. Are you able to identify CI ENGINE variables and parameters to solve the CI engine problems?



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

Score	No of Student	Percentage
1- Can't Say	0	0
2 - Hardly	0	0
3- Moderately	9	17
4- Mostly	14	27
5- Definitely	29	56
Total	52	100

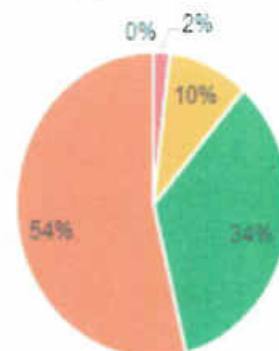
CO4. Are you able to understand lubrication and cooling system used in internal combustion engine?



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

Score	No of Student	Percentage
1- Can't Say	0	0
2 - Hardly	1	2
3- Moderately	5	10
4- Mostly	18	35
5- Definitely	28	54
Total	52	100

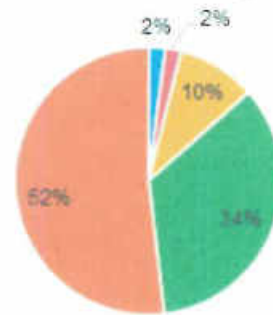
CO5. Are you able to understand concept of supercharging and turbocharging ?



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

Score	No of Student	Percentage
1- Can't Say	1	2
2 - Hardly	1	2
3- Moderately	5	10
4- Mostly	18	36
5- Definitely	27	52
Total	52	100

CO6. Are you able to apply engine performance characteristics to solve the problems?



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

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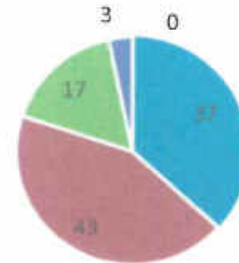
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Score	No. of Students	Percentage (%)
1- Definitely	11	37
2- Mostly	13	43
3- Moderately	5	17
4 - Hardly	1	3
5- Can't Say	0	0
Total	30	100

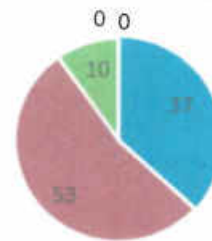
CO4. Are you able to apply the basic finite element formulation techniques to solve engineering problems by using two dimensional elements?



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

Score	No. of Students	Percentage (%)
1- Definitely	11	37
2- Mostly	16	53
3- Moderately	3	10
4 - Hardly	0	0
5- Can't Say	0	0
Total	30	100

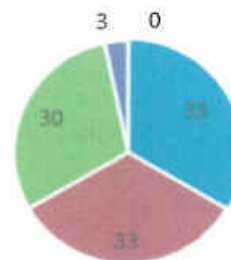
CO5. Are you able to apply the basic finite element formulation techniques to find natural frequency of single degree of vibration system?



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

Score	No. of Students	Percentage (%)
1- Definitely	10	33
2- Mostly	10	33
3- Moderately	9	30
4 - Hardly	1	3
5- Can't Say	0	0
Total	30	100

CO6. Are you able to use commercial FEA software, to solve problems related to mechanical engineering?



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

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Action Taken Report on Student's Feedback

Department: Automobile Engineering

Action taken report on Feedback received from the Students in Academic Year 2020-2021.

SEM: SEM V

Year: TE

Sr. No.	Subject	Faculty	Feedback/concern	Action Taken
1	PTD	Prof.T.Z.Quazi	More practical example should be provided	Shown ppt to students https://coursecontent.indusuni.ac.in/wp-content/uploads/sites/8/2020/03/UNIT-4-.pdf video https://www.youtube.com/watch?v=lgp2v5pG2Wg
2	HT	Dr. Vishnu Chodankar	Heat transfer subject should be given more emphasis on design of heat exchangers	Heat exchangers design discussed in details https://www.youtube.com/watch?v=NherLU3IVPY https://www.youtube.com/watch?v=RzERcw451LY
3	MMC	Prof. Sagar Khatavkar	Practical applications on measurement systems should be provided.	Shared videos with students to get the practical knowledge. https://www.youtube.com/watch?v=z82yWBLbhE https://www.youtube.com/watch?v=RTBGQGZGnEI



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Action Taken Report on Student's Feedback

Department: Automobile Engineering

4	ICE	Prof. Amit Patil	Students are expecting a portion working of BS6 Engines	For some topic videos shown to students https://www.youtube.com/watch?v=rverDffA0CM https://www.youtube.com/watch?v=som8SI28kKo
5	MSTD	Prof. Prashant Ingle	More practical example should be provided	For some topic videos shown to students https://www.youtube.com/watch?v=o0erPmu neYo https://www.youtube.com/watch?v=VC1q_XWYVWk
6	BCE	Prof. Alka Purohit	More group activities required	Extra group activities like, Group discussion, debate etc were conducted


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Department of Automobile Engineering

Academic Year: 2020-2021(EVEN SEM)

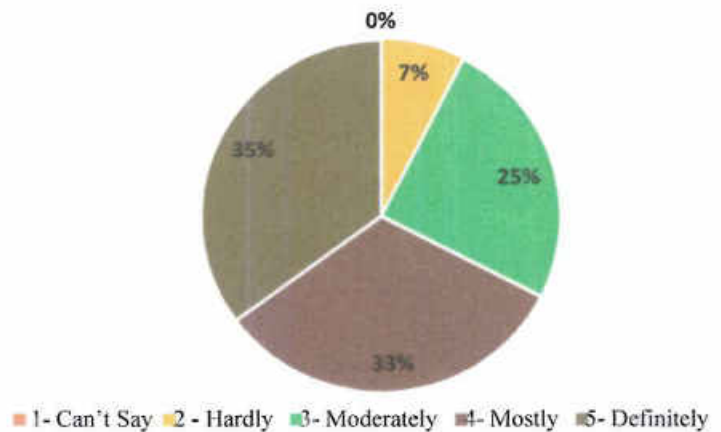
Course Exit Analysis Report (Sem VI)

Subject: (CBE)

Subject In-charge: Prof. Supriya Khapre

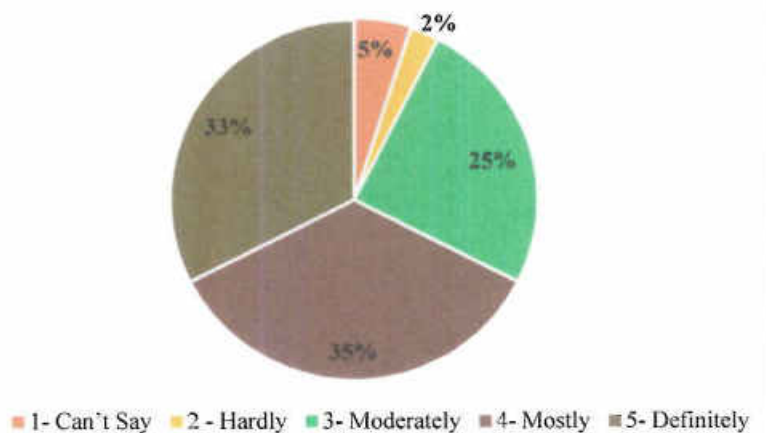
Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	3	7
3- Moderately	10	25
4- Mostly	13	33
5- Definitely	14	35
Total	40	100

CO1. Are you able to demonstrate Inspection Methods and different Gauges?



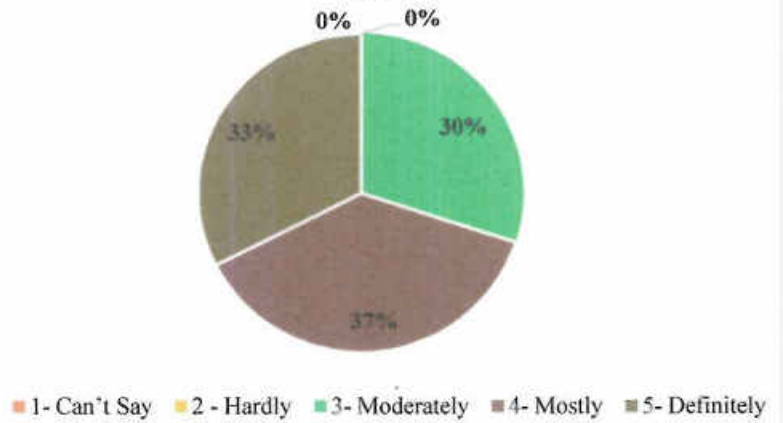
Score	No. of Students	Percentage (%)
1- Can't Say	2	5
2 - Hardly	1	2
3- Moderately	10	25
4- Mostly	14	35
5- Definitely	13	33
Total	40	100

CO2. Are you able to elaborate working principle of Measuring Instruments and Calibration Methodology?



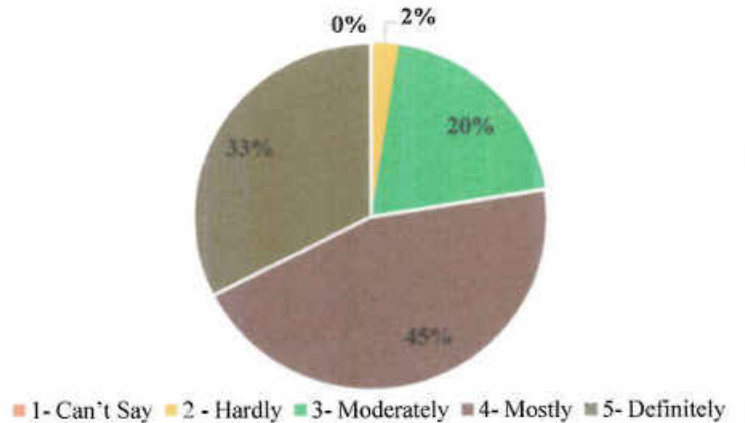
Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	0	0
3- Moderately	12	30
4- Mostly	15	38
5- Definitely	13	33
Total	40	100

CO3. Are you able demonstrate characteristics of Screw Threads, Gear Profile and Tool Profile?



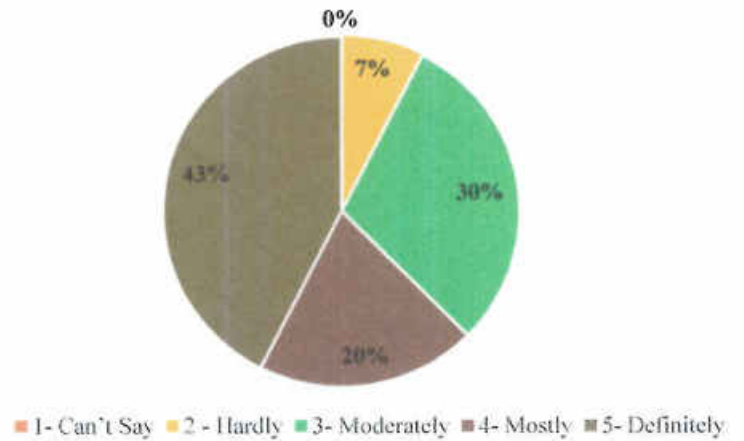
Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	1	3
3- Moderately	8	20
4- Mostly	18	45
5- Definitely	13	33
Total	40	100

CO4. Are you able illustrate basic concepts and Statistical Methods in quality engineering?



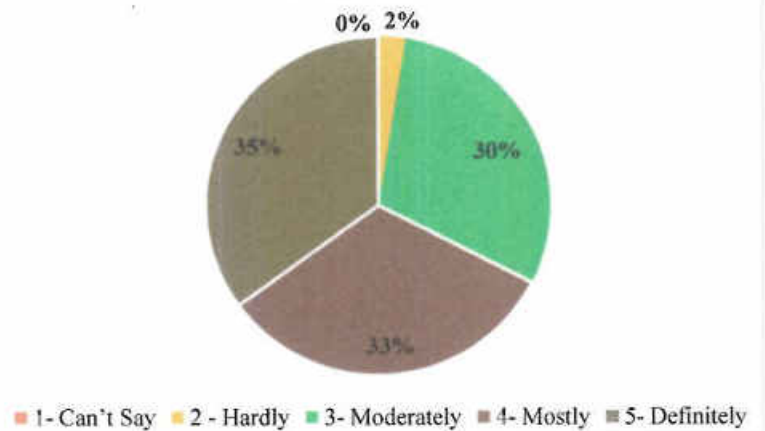
Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	3	8
3- Moderately	12	30
4- Mostly	8	20
5- Definitely	17	43
Total	40	100

CO5. Are you able to elaborate different Sampling Techniques in quality control?



Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	1	3
3- Moderately	12	30
4- Mostly	13	33
5- Definitely	14	35
Total	40	100

CO6. Are you able to illustrate different Non-Destructive Techniques used for quality evaluation?




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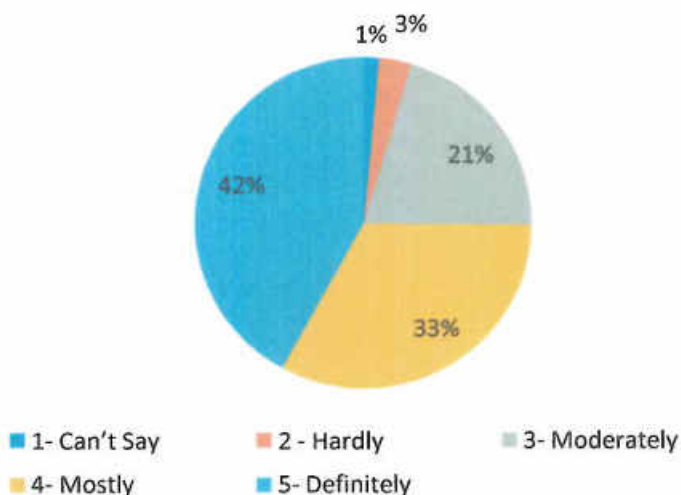
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**Department of AUTOMOBILE
Engineering** Academic Year: 2020-2021
(EVEN SEM) **Course Exit Analysis
Report (Sem VI) Subject: IE**
Subject In-charge: Prof NILESH PATIL

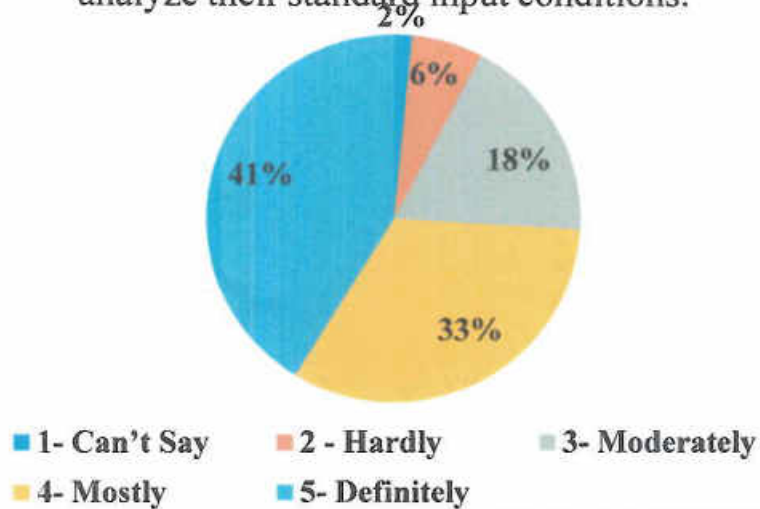
Score	No. of Students	Percentage (%)
1- Can't Say	1	1
2 - Hardly	2	3
3- Moderately	7	21
4- Mostly	15	33
5- Definitely	20	42
Total	43	100

CO1: Have you understood the key elements of Mechatronics, its application, concepts of sensor and its interfacing with microcontroller



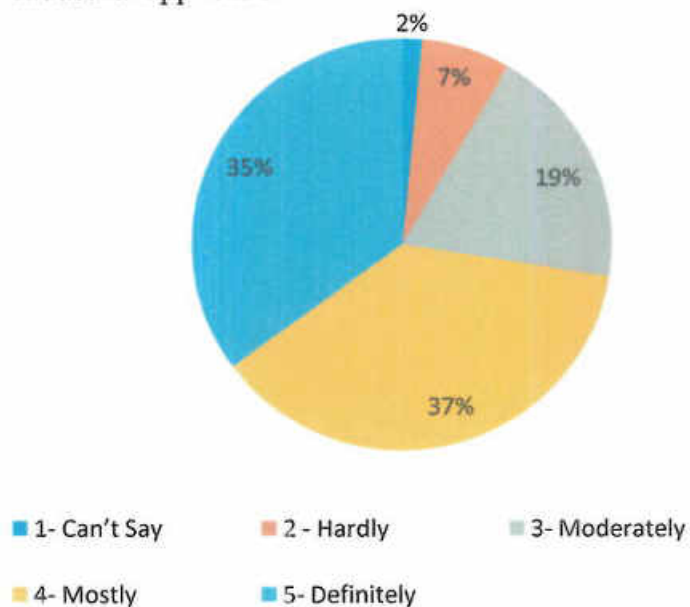
Score	No. of Students	Percentage (%)
1- Can't Say	2	2
2 - Hardly	3	6
3- Moderately	7	18
4- Mostly	15	33
5- Definitely	18	41
Total	43	100

CO2: Have you understood concept of actuators, selection of logic controls and analyze their standard input conditions.



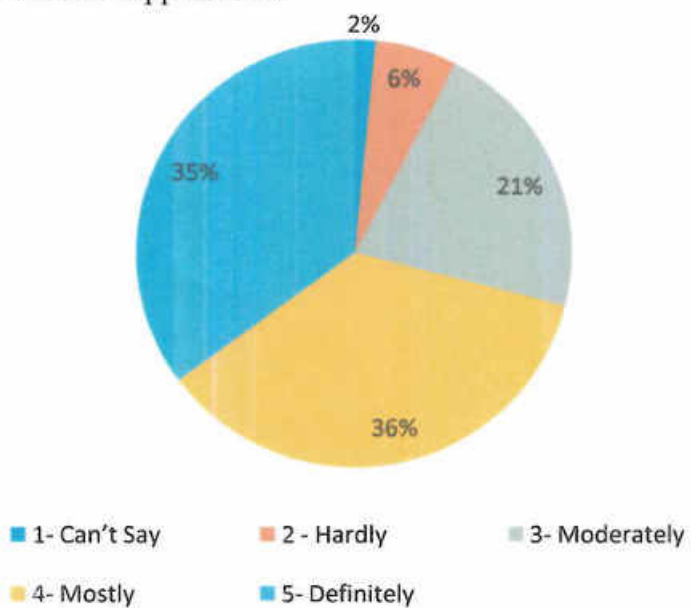
Score	No. of Students	Percentage (%)
1- Can't Say	2	2
2 - Hardly	3	7
3- Moderately	7	19
4- Mostly	15	37
5- Definitely	18	35
Total	43	100

CO3: Have you understood different actuating and directional control valves and able to design and analyze hydraulic and pneumatic circuits for industrial application



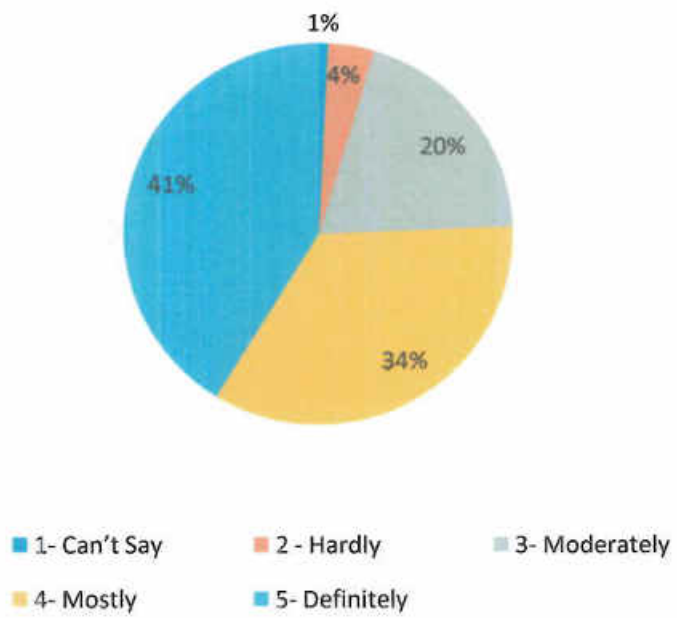
Score	No. of Students	Percentage (%)
1-Can't say	2	2
2 - Hardly	3	6
3- Moderately	5	21
4- Mostly	20	36
5- Definitely	18	35
Total	43	100

CO4:Have you understood the PLC and able to develop Ladder logic programming diagram for different application.

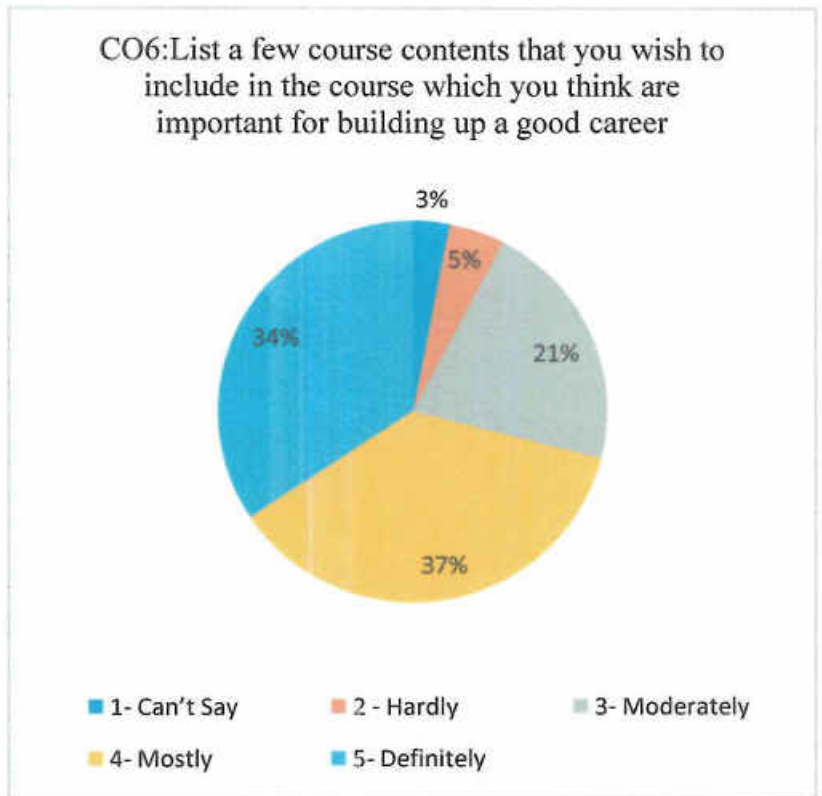


Score	No. of Students	Percentage (%)
1- Can't Say	2	1
2 - Hardly	3	4
3- Moderately	7	20
4- Mostly	15	34
5- Definitely	18	41

CO5:Are you able to design mechatronics system for automation as per requirement .



Score	No. of Students	Percentage (%)
1- Can't Say	1	3
2 - Hardly	2	5
3- Moderately	8	21
4- Mostly	19	37
5- Definitely	15	34
Total	43	100




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Action Taken on Students Feedback Report
Department: Automobile Engineering

Action taken report on Feedback received from the Students in Academic Year 2020-2021.

SEM: SEM VI

Year: TE

Sr. No.	Subject	Faculty	Feedback/concern	Action Taken
1	MD-I	Prof.Soni Jaiswal	More practical example should be provided Provide animated explanation	Shown case study to students along with Animated videos https://www.youtube.com/watch?v=H0RwP6PB58Q
2	CBE	Prof. Supriya Khapre	Material selection for chassis and chassis design should be explained	Videos were explained and given to the students https://www.youtube.com/watch?v=I6gLPNlSntQ https://www.youtube.com/watch?v=mXIBrvlyOes https://www.youtube.com/watch?v=e1AjmFH8_GY
3	MV	Prof Amit Patil	More numerical to be solved. Forced vibration, balancing need to be explained in detail.	Shown animated videos to students about practicals taken Handwritten notes provided https://www.youtube.com/watch?v=C-Bn70PpbrM https://www.youtube.com/watch?v=ZD6kRGzIsQe
4	FEA	Prof. Namita Thangan	More practical example should be provided	Provided notes And Shown case study to students https://drive.google.com/file/d/120ZLCntVq6dE6VIOirSoKMXOzS3BAEhl/view?usp=sharing https://youtu.be/EJbf5Tp57g4
5	MTRX	Prof. Sagar Khatavkar	Need more hands on experience on Fluid Sim software	Online sessions were conducted to demonstrate Fluid sim software https://www.youtube.com/watch?v=pIP0WM0Gg24

6	AM	Prof T.Z. Quazi	More knowledge about advanced materials used in automobiles, more knowledge about FRP, GRP, USLAB etc needed	Provided online sessions on use of advanced materials https://www.youtube.com/watch?v=aPMENSvwTWc https://www.youtube.com/watch?v=Yj1FhQwvFY
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Department of Automobile Engineering

Academic Year: 2020-2021(EVEN SEM)

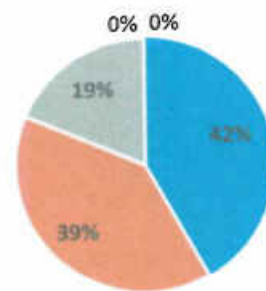
Course Exit Analysis Report (Sem VII)

Subject: MV

Subject In-charge: Prof. Amit Patil

Score	No. of Students	Percentage (%)
1- Can't Say	18	42
2 - Hardly	17	40
3- Moderately	8	19
4- Mostly	0	0
5- Definitely	0	0
Total	43	100

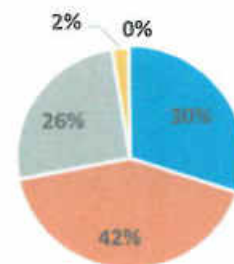
CO 1: Are you able to Illustrate basic principles of machine design.



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

Score	No. of Students	Percentage (%)
1- Can't Say	13	30
2 - Hardly	18	42
3- Moderately	11	26
4- Mostly	1	2
5- Definitely	0	0
Total	43	100

CO 2: Have you understood concept of curved beam and thick cylinder and will you be able to design machine elements of curved beam .



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



Department of Automobile Engineering

Academic Year: 2020-2021(EVEN SEM)

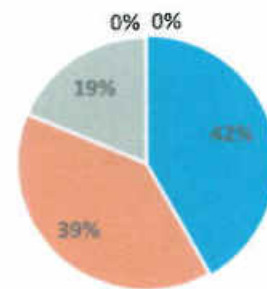
Course Exit Analysis Report (Sem VII)

Subject: MD1

Subject In-charge: Prof. Sagar Khatavkar

Score	No. of Students	Percentage (%)
1- Can't Say	18	42
2 - Hardly	17	40
3- Moderately	8	19
4- Mostly	0	0
5- Definitely	0	0
Total	43	100

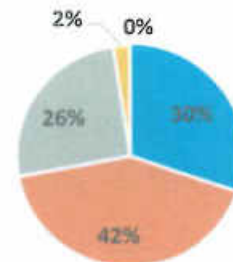
CO 1: Are you able to illustrate basic principles of machine design.



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

Score	No. of Students	Percentage (%)
1- Can't Say	13	30
2 - Hardly	18	42
3- Moderately	11	26
4- Mostly	1	2
5- Definitely	0	0
Total	43	100

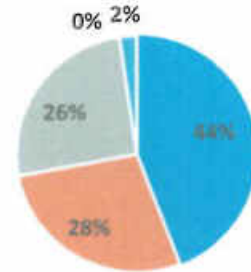
CO 2: Have you understood concept of curved beam and thick cylinder and will you be able to design machine elements of curved beam .



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

Score	No. of Students	Percentage (%)
1- Can't Say	19	44
2 - Hardly	12	28
3- Moderately	11	26
4- Mostly	0	0
5- Definitely	1	2
Total	43	100

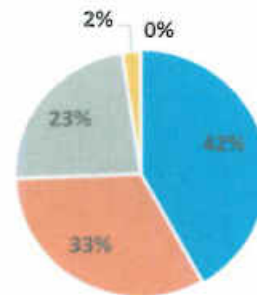
CO 3: Are you be able to Design machine elements for static dynamic loading, for ex. knuckle joint cotter joint etc. .



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

Score	No. of Students	Percentage (%)
1- Can't Say	18	42
2 - Hardly	14	33
3- Moderately	10	23
4- Mostly	1	2
5- Definitely	0	0
Total	43	100

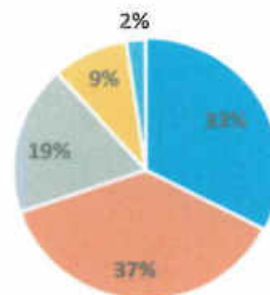
CO 4: Are you be able to Design machine elements for dynamic loading



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

Score	No. of Students	Percentage (%)
1- Can't Say	14	33
2 - Hardly	16	37
3- Moderately	8	19
4- Mostly	4	9
5- Definitely	1	2
Total	43	100

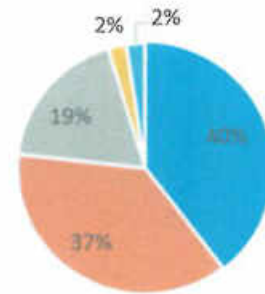
CO 5: Are you able to Use design data books in designing shaft, keys and coupling



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

Score	No. of Students	Percentage (%)
1- Can't Say	17	40
2 - Hardly	16	37
3- Moderately	8	19
4- Mostly	1	2
5- Definitely	1	2
Total	43	100

CO 6: Are you able to Use design data books in designing springs.



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

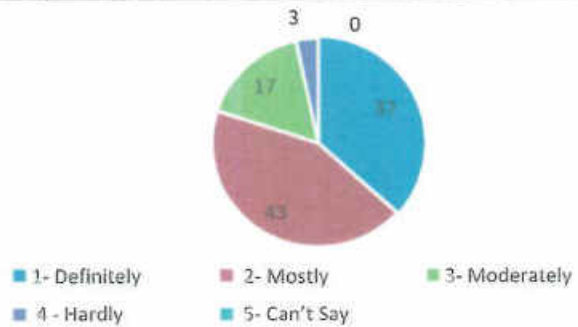

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Score	No. of Students	Percentage (%)
1- Definitely	11	37
2- Mostly	13	43
3- Moderately	5	17
4 - Hardly	1	3
5- Can't Say	0	0
Total	30	100

CO4 - Apply the aerodynamic forces on stability of vehicle



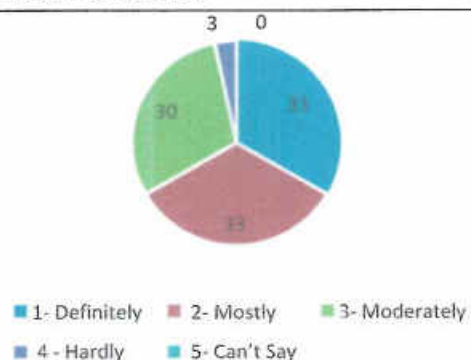
Score	No. of Students	Percentage (%)
1- Definitely	11	37
2- Mostly	16	53
3- Moderately	3	10
4 - Hardly	0	0
5- Can't Say	0	0
Total	30	100

CO5 - Describe the wind tunnel technology for aerodynamic



Score	No. of Students	Percentage (%)
1- Definitely	10	33
2- Mostly	10	33
3- Moderately	9	30
4 - Hardly	1	3
5- Can't Say	0	0
Total	30	100

CO6 - Demonstrate various techniques for automobile aesthetics




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Department of Automobile
Engineering Academic Year: 2020-21

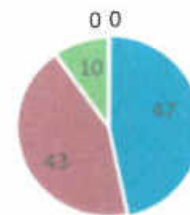
Course Exit Analysis Report (Sem V)

Subject – FEA

Subject Teacher – Prof. Naita Tangan

Score	No. of Students	Percentage (%)
1- Definitely	14	47
2- Mostly	13	43
3- Moderately	3	10
4 - Hardly	0	0
5- Can't Say	0	0
Total	30	100

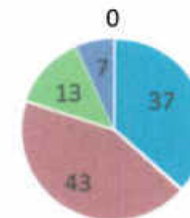
CO1.Are you able to solve differential equations using weighted residual methods?



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

Score	No. of Students	Percentage (%)
1- Definitely	11	37
2- Mostly	13	43
3- Moderately	4	13
4 - Hardly	2	7
5- Can't Say	0	0
Total	30	100

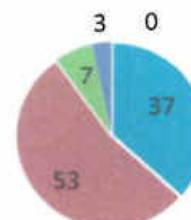
CO1.Are you able to solve differential equations using weighted residual methods?



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

Score	No. of Students	Percentage (%)
1- Definitely	11	37
2- Mostly	16	53
3- Moderately	2	7
4 - Hardly	1	3
5- Can't Say	0	0
Total	30	100

CO1.Are you able to solve differential equations using weighted residual methods?



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



Department of Automobile Engineering

Academic Year: 2020-2021(ODD SEM)

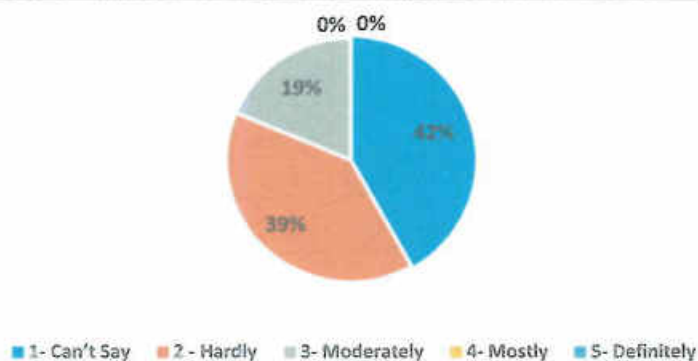
Course Exit Analysis Report (Sem VII)

Subject: AD

Subject In-charge: Prof. Chetan Thakur

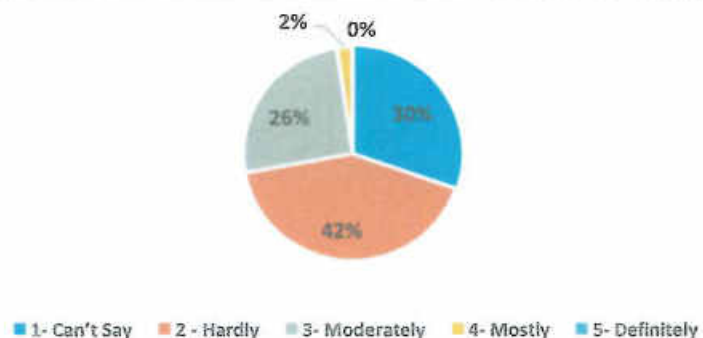
Score	No. of Students	Percentage (%)
1- Can't Say	18	42
2 - Hardly	17	40
3- Moderately	8	19
4- Mostly	0	0
5- Definitely	0	0
Total	43	100

CO1 - Design of various parts of I.C. Engines



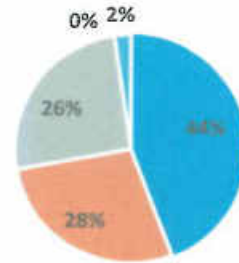
Score	No. of Students	Percentage (%)
1- Can't Say	13	30
2 - Hardly	18	42
3- Moderately	11	26
4- Mostly	1	2
5- Definitely	0	0
Total	43	100

CO2 - Design of Crank, crankshaft and crank pin



	No. of Students	Percentage (%)
1- Can't Say	19	44
2 - Hardly	12	28
3- Moderately	11	26
4- Mostly	0	0
5- Definitely	1	2
Total	43	100

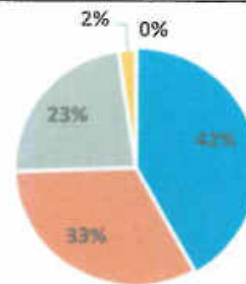
CO3 - Design of Clutches and Gear Boxes



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

Score	No. of Students	Percentage (%)
1- Can't Say	18	42
2 - Hardly	14	33
3- Moderately	10	23
4- Mostly	1	2
5- Definitely	0	0
Total	43	100

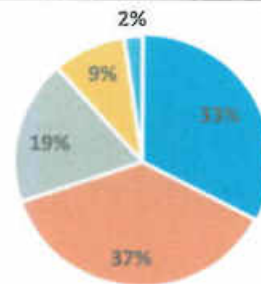
CO4 - Design of Drive train



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

Score	No. of Students	Percentage (%)
1- Can't Say	14	33
2 - Hardly	16	37
3- Moderately	8	19
4- Mostly	4	9
5- Definitely	1	2
Total	43	100

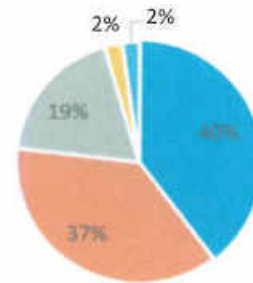
CO5 - Judge the fundamental knowledge in the field of automotive design



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

Score	No. of Students	Percentage (%)
1- Can't Say	17	40
2 - Hardly	16	37
3- Moderately	8	19
4- Mostly	1	2
5- Definitely	1	2
Total	43	100

CO6 - Determine the analytical abilities to give solutions to Automotive design problems



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

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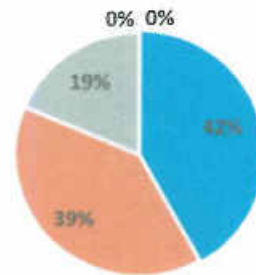
Course Exit Analysis Report (Sem VII)

Subject: Autotronics

Subject In-charge: Prof. P. Ingle

Score	No. of Students	Percentage (%)
1- Can't Say	18	42
2 - Hardly	17	40
3- Moderately	8	19
4- Mostly	0	0
5- Definitely	0	0
Total	43	100

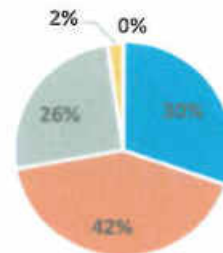
CO1 - Explain the working of different batteries and fuel cells along with its charging, rating, and maintenance.



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

Score	No. of Students	Percentage (%)
1- Can't Say	13	30
2 - Hardly	18	42
3- Moderately	11	26
4- Mostly	1	2
5- Definitely	0	0
Total	43	100

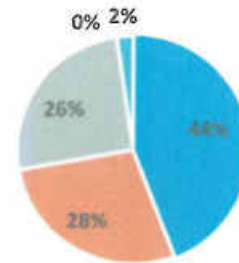
CO2 - Demonstrate the working of charging systems used in automobiles.



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

Score	No. of Students	Percentage (%)
1- Can't Say	19	44
2 - Hardly	12	28
3- Moderately	11	26
4- Mostly	0	0
5- Definitely	1	2
Total	43	100

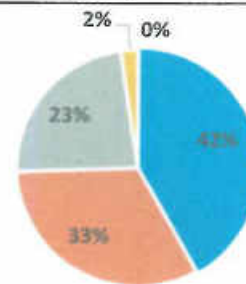
CO3 - Illustrate the working of starting systems used in automobiles



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

Score	No. of Students	Percentage (%)
1- Can't Say	18	42
2 - Hardly	14	33
3- Moderately	10	23
4- Mostly	1	2
5- Definitely	0	0
Total	43	100

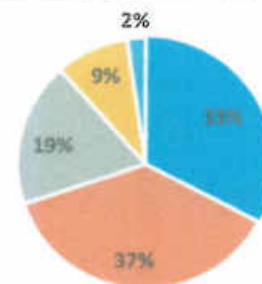
CO4 - Elaborate the advancements like Electronic Ignition and Engine control systems (ECM) with its significance in vehicle



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

Score	No. of Students	Percentage (%)
1- Can't Say	14	33
2 - Hardly	16	37
3- Moderately	8	19
4- Mostly	4	9
5- Definitely	1	2
Total	43	100

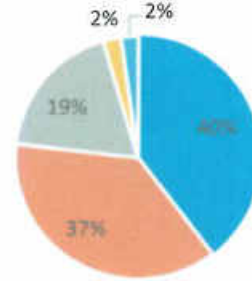
CO5 - Discuss the working of different automotive Sensors and Actuators.



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

Score	No. of Students	Percentage (%)
1- Can't Say	17	40
2 - Hardly	16	37
3- Moderately	8	19
4- Mostly	1	2
5- Definitely	1	2
Total	43	100

CO6 - Draw and Interpret automotive lighting and wiring harness systems.



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

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Department of Automobile Engineering

Academic Year: 2020-2021(ODD SEM)

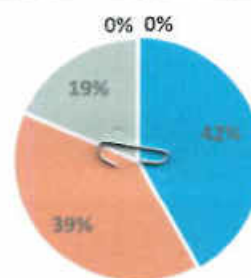
Course Exit Analysis Report (Sem VII)

Subject: CAD/CAM/CAE

Subject In-charge: Prof. Namita Tangan

Score	No. of Students	Percentage (%)
1- Can't Say	18	42
2 - Hardly	17	40
3- Moderately	8	19
4- Mostly	0	0
5- Definitely	0	0
Total	43	100

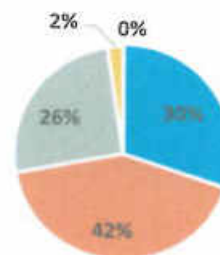
CO1 - Identify proper computer graphics techniques for geometric modeling.



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

Score	No. of Students	Percentage (%)
1- Can't Say	13	30
2 - Hardly	18	42
3- Moderately	11	26
4- Mostly	1	2
5- Definitely	0	0
Total	43	100

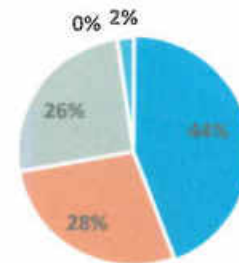
CO2 - Transform, manipulate objects and store and manage data.



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

Score	No. of Students	Percentage (%)
1- Can't Say	19	44
2 - Hardly	12	28
3- Moderately	11	26
4- Mostly	0	0
5- Definitely	1	2
Total	43	100

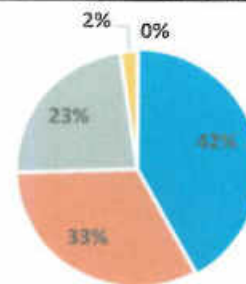
CO3 - Prepare part programming applicable to CNC machines.



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

Score	No. of Students	Percentage (%)
1- Can't Say	18	42
2 - Hardly	14	33
3- Moderately	10	23
4- Mostly	1	2
5- Definitely	0	0
Total	43	100

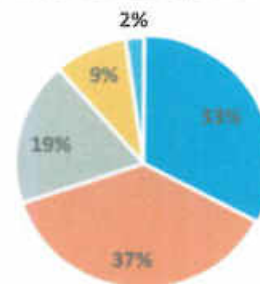
CO4 - Use rapid prototyping and tooling concepts in any real life applications.



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

Score	No. of Students	Percentage (%)
1- Can't Say	14	33
2 - Hardly	16	37
3- Moderately	8	19
4- Mostly	4	9
5- Definitely	1	2
Total	43	100

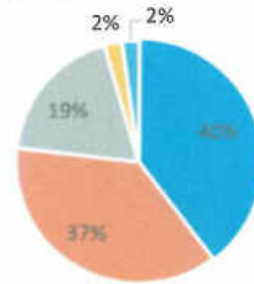
CO5 - Identify the tools for Analysis of a complex engineering component.



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


Score	No. of Students	Percentage (%)
1- Can't Say	17	40
2 - Hardly	16	37
3- Moderately	8	19
4- Mostly	1	2
5- Definitely	1	2
Total	43	100

CO6 - Generate CAM Tool path Creation and NC- G code output.



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


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Course Exit Analysis Report (Sem

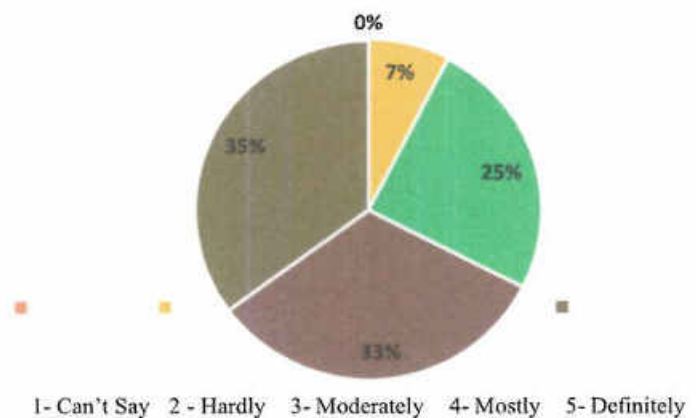
VII)

Subject: Disaster Management and Mitigation Measures

Subject In-charge:

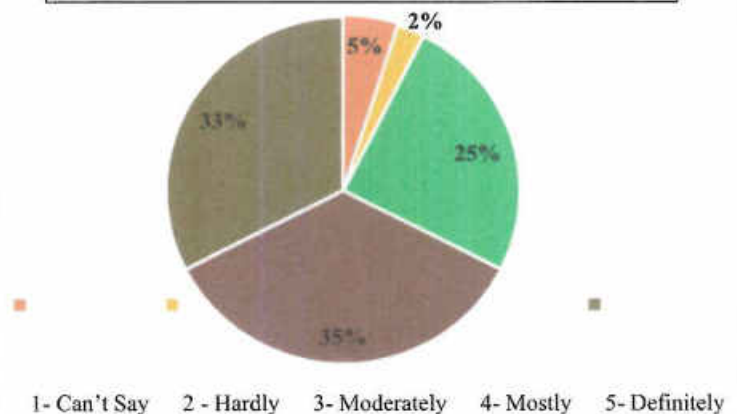
Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	3	7
3- Moderately	10	25
4- Mostly	13	33
5- Definitely	14	35
Total	40	100

CO1 - Understand concept of various types of disaster.



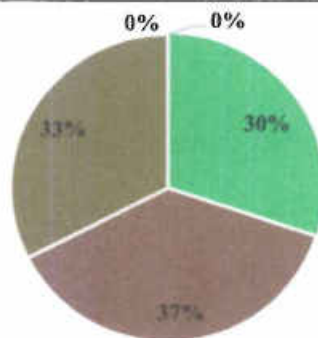
Score	No. of Students	Percentage (%)
1- Can't Say	2	5
2 - Hardly	1	2
3- Moderately	10	25
4- Mostly	14	35
5- Definitely	13	33
Total	40	100

CO2 - Apply the knowledge to know natural as well as manmade disaster and their extent and possible effects on the economy.



Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	0	0
3- Moderately	12	30
4- Mostly	15	38
5- Definitely	13	33
Total	40	100

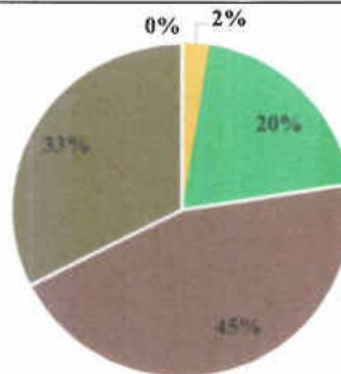
CO3 - Apply the knowledge to Plan of national importance structures based upon the previous history.



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	3
3- Moderately	8	20
4- Mostly	18	45
5- Definitely	13	33
Total	40	100

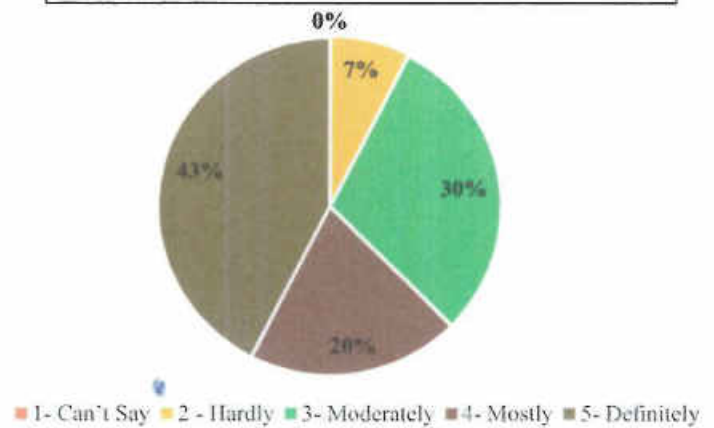
CO4 - Get acquainted with government policies, acts and various organizational structures associated with an emergency.



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

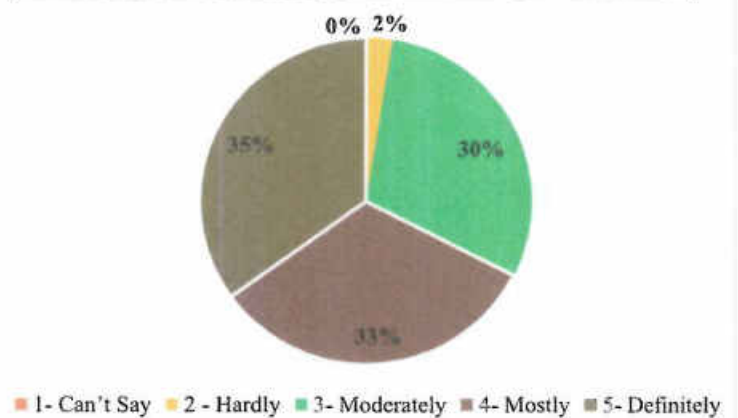
Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	3	8
3- Moderately	12	30
4- Mostly	8	20
5- Definitely	17	43
Total	40	100


CO5 - Understand role of organization for financial relief



Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	1	3
3- Moderately	12	30
4- Mostly	13	33
5- Definitely	14	35
Total	40	100

CO6 - Get to know the simple do's and don'ts in such extreme events and act accordingly




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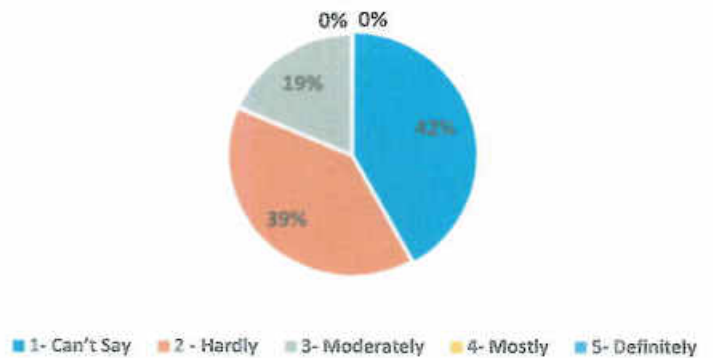
Course Exit Analysis Report (Sem VII)

Subject: Product Lifecycle Management

Subject In-charge: Prof. Taqui Quazi

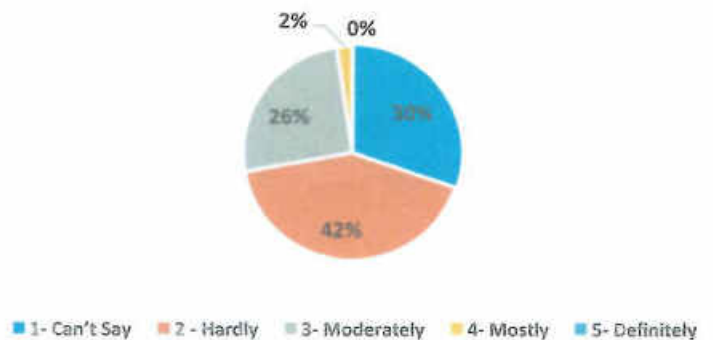
Score	No. of Students	Percentage (%)
1- Can't Say	18	42
2 - Hardly	17	40
3- Moderately	8	19
4- Mostly	0	0
5- Definitely	0	0
Total	43	100

CO1 - Gain knowledge about phases of PLM, PLM strategies and methodology for PLM feasibility study and PDM implementation.



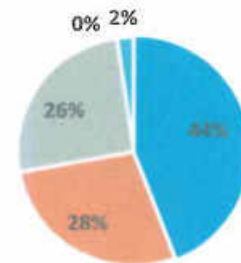
Score	No. of Students	Percentage (%)
1- Can't Say	13	30
2 - Hardly	18	42
3- Moderately	11	26
4- Mostly	1	2
5- Definitely	0	0
Total	43	100

CO2 - Illustrate various approaches and techniques for designing and developing products.



	No. of Students	Percentage (%)
1- Can't Say	19	44
2 - Hardly	12	28
3- Moderately	11	26
4- Mostly	0	0
5- Definitely	1	2
Total	43	100

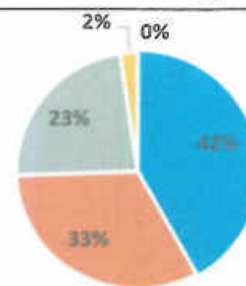
CO3 - Apply product engineering guidelines / thumb rules in designing products for moulding, machining, sheet metal working etc.



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

Score	No. of Students	Percentage (%)
1- Can't Say	18	42
2 - Hardly	14	33
3- Moderately	10	23
4- Mostly	1	2
5- Definitely	0	0
Total	43	100

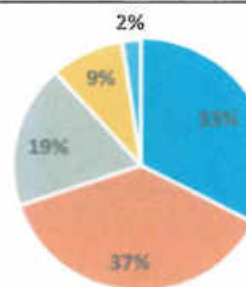
CO4 - Acquire knowledge in applying virtual product development tools for components, machining and manufacturing plant



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

Score	No. of Students	Percentage (%)
1- Can't Say	14	33
2 - Hardly	16	37
3- Moderately	8	19
4- Mostly	4	9
5- Definitely	1	2
Total	43	100

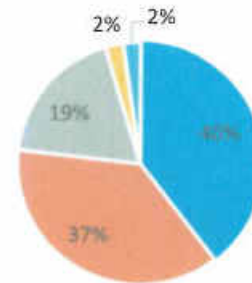
CO5 - To create awareness about environmentally responsible product design requirements.



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

Score	No. of Students	Percentage (%)
1- Can't Say	17	40
2 - Hardly	16	37
3- Moderately	8	19
4- Mostly	1	2
5- Definitely	1	2
Total	43	100

CO6 - To create awareness about Life cycle Assessment



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

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Action Taken Report on Student's Feedback

Department: Automobile Engineering

Action taken report on Feedback received from the Students in Academic Year 2020-2021.

SEM: SEM VII

Year: BE

Sr. No.	Subject	Faculty	Feedback/concern	Action Taken
1	PLM	Prof.T.Z.Quazi	Most of the students were satisfied with the content	Students encouraged to do internship and NPTEL courses. https://nptel.ac.in/courses/112107217
2	ATRX	Prof. Prashant Ingle	Require more knowledge about fuel cell technology	Shown animated videos to students https://www.youtube.com/watch?v=fkX-H24Chfw https://www.youtube.com/watch?v=tajigZ2e6tQ
3	CAD CAM CAE	Prof. Namita Thangan	More practical example should be provided	Shown case study to students https://youtube.com/playlist?list=PLFW6lRTa1g808_CfYhZKdv2eXpIAQIAwS https://drive.google.com/file/d/1z7wvtAdhIFDFSrxfkIaO-h2cSDnW_O9Z/view?usp=sharing
4	AD	Prof. Chetan Thakur	Industrial based knowledge or the concept that make us to understand the current situation of industries	Case study of Automobile companies shown to students for better understanding https://www.mdpi.com/2073-8994/12/12/2074/pdf



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Action Taken Report on Student's Feedback

Department: Automobile Engineering

5	DMMM	Prof. Naresh Joshi	The case study and Know how of Pandemic is not updated in the syllabus	The latest report provided by National Disaster Management Authority was shown to the students regarding Covid 19 Impact and responses :Indian experience https://ndma.gov.in/sites/default/files/PDF/COVID-19-Indian-Experience.pdf
6	AAA	Prof. Supriya Khapre	More practical approach to Simulation on aerodynamic of car	Videos shown to students https://www.youtube.com/watch?v=GtQTIUuAmDE https://www.youtube.com/watch?v=E9ZSAX56m0E

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Department of Automobile Engineering

Academic Year: 2020-2021(EVEN SEM)

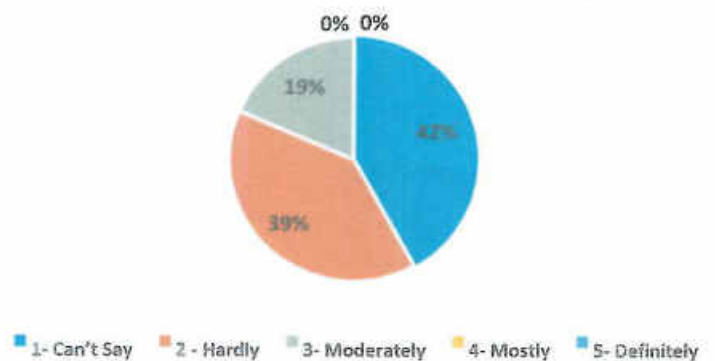
Course Exit Analysis Report (Sem

VIII)Subject: Project Management

Subject In-charge: Prof. Amit Patil

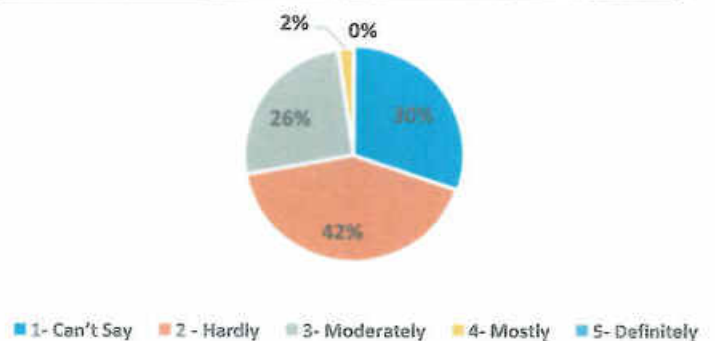
Score	No. of Students	Percentage (%)
1- Can't Say	18	42
2 - Hardly	17	40
3- Moderately	8	19
4- Mostly	0	0
5- Definitely	0	0
Total	43	100

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



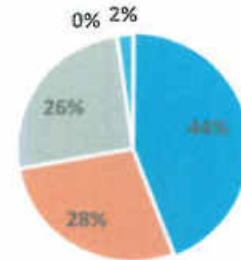
Score	No. of Students	Percentage (%)
1- Can't Say	13	30
2 - Hardly	18	42
3- Moderately	11	26
4- Mostly	1	2
5- Definitely	0	0
Total	43	100

CO2 - Write work break down structure for a project and develop a schedule based on it.



Score	No. of Students	Percentage (%)
1- Can't Say	19	44
2 - Hardly	12	28
3- Moderately	11	26
4- Mostly	0	0
5- Definitely	1	2
Total	43	100

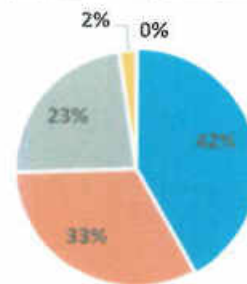
CO3 - Identify opportunities and threats to the project and decide an approach to deal with them strategically.



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

Score	No. of Students	Percentage (%)
1- Can't Say	18	42
2 - Hardly	14	33
3- Moderately	10	23
4- Mostly	1	2
5- Definitely	0	0
Total	43	100

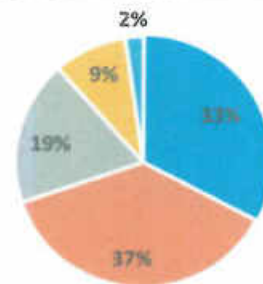
CO4 - Use Earned value technique and determine &



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

Score	No. of Students	Percentage (%)
1- Can't Say	14	33
2 - Hardly	16	37
3- Moderately	8	19
4- Mostly	4	9
5- Definitely	1	2
Total	43	100

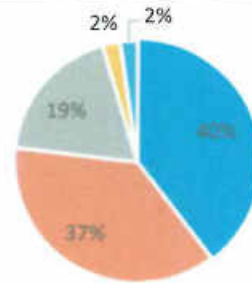
CO5 - Capture lessons learned during project phases and document them for future reference.



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

Score	No. of Students	Percentage (%)
1- Can't Say	17	40
2 - Hardly	16	37
3- Moderately	8	19
4- Mostly	1	2
5- Definitely	1	2
Total	43	100

CO6 - Apply professional leadership skill and ethical codes of conduct to projects and be able to close the



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


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Department of Automobile Engineering

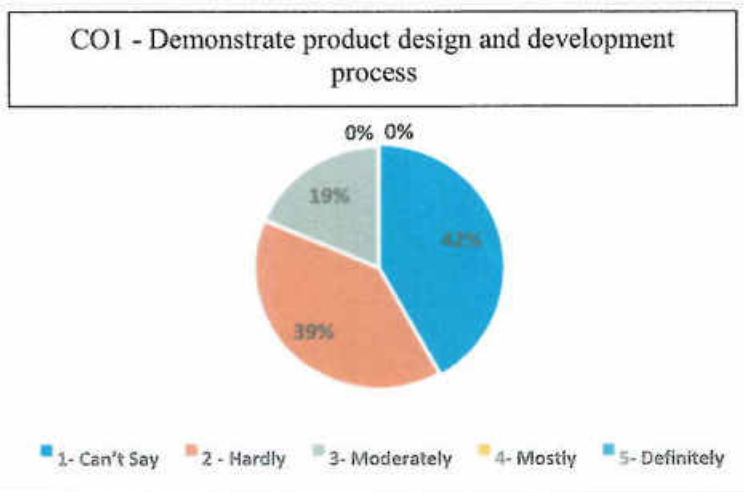
Academic Year: 2020-2021(EVEN SEM)

Course Exit Analysis Report (Sem

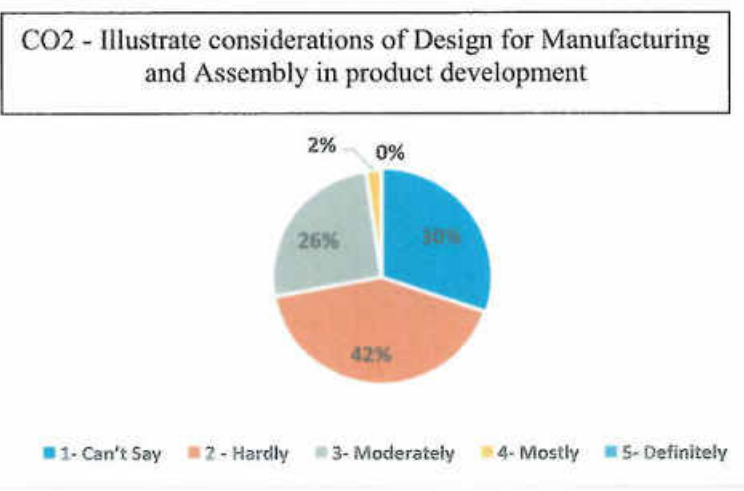
VIII)Subject: PDD

Subject In-charge: Prof. Taqui Quazi

Score	No. of Students	Percentage (%)
1- Can't Say	18	42
2 - Hardly	17	40
3- Moderately	8	19
4- Mostly	0	0
5- Definitely	0	0
Total	43	100

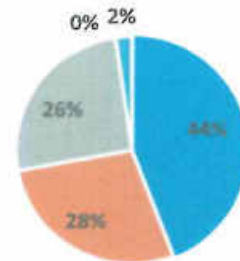


Score	No. of Students	Percentage (%)
1- Can't Say	13	30
2 - Hardly	18	42
3- Moderately	11	26
4- Mostly	1	2
5- Definitely	0	0
Total	43	100



	No. of Students	Percentage (%)
1- Can't Say	19	44
2 - Hardly	12	28
3- Moderately	11	26
4- Mostly	0	0
5- Definitely	1	2
Total	43	100

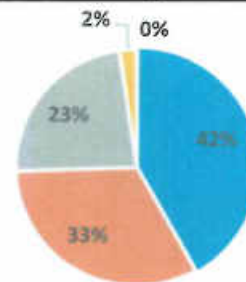
CO3 - Analyze a product in perspective of aesthetic and ergonomic considerations.



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

Score	No. of Students	Percentage (%)
1- Can't Say	18	42
2 - Hardly	14	33
3- Moderately	10	23
4- Mostly	1	2
5- Definitely	0	0
Total	43	100

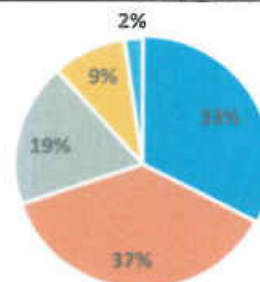
CO4 - Illustrate concepts of QFD aspects in product development.



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

Score	No. of Students	Percentage (%)
1- Can't Say	14	33
2 - Hardly	16	37
3- Moderately	8	19
4- Mostly	4	9
5- Definitely	1	2
Total	43	100

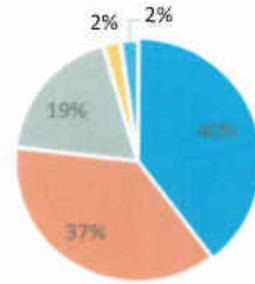
CO5 - Demonstrate applicability of value engineering in product optimization




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


Score	No. of Students	Percentage (%)
1- Can't Say	17	40
2 - Hardly	16	37
3- Moderately	8	19
4- Mostly	1	2
5- Definitely	1	2
Total	43	100

CO6 - Demonstrate legal and social issues pertaining to product development.



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


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Department of Automobile Engineering

Academic Year: 2020-2021(EVEN SEM)

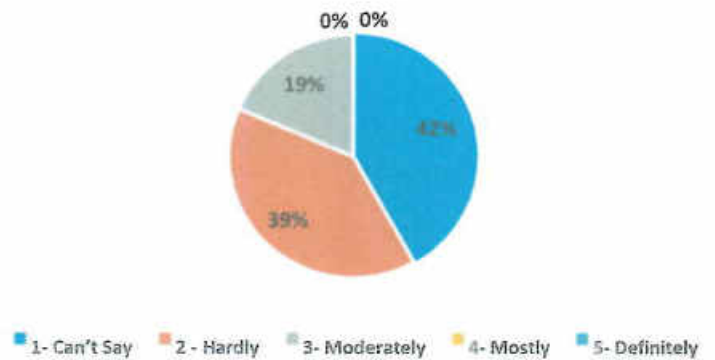
Course Exit Analysis Report (Sem

VIII)Subject: TMMI

Subject In-charge: Prof. Amit Patil

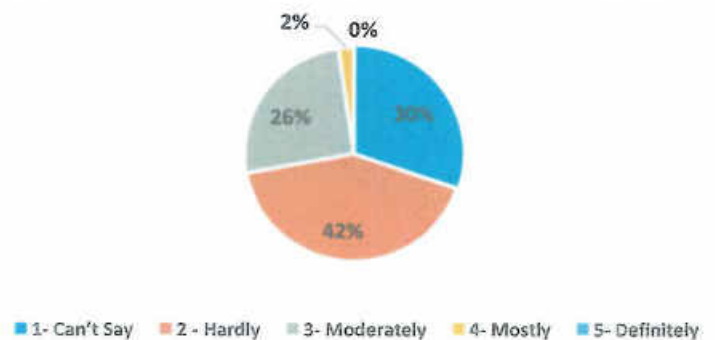
Score	No. of Students	Percentage (%)
1- Can't Say	18	42
2 - Hardly	17	40
3- Moderately	8	19
4- Mostly	0	0
5- Definitely	0	0
Total	43	100

CO1 - Illustrate various Motor Vehicle Act



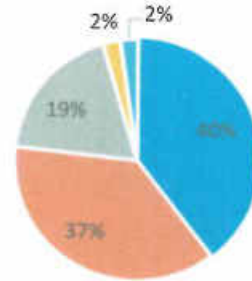
Score	No. of Students	Percentage (%)
1- Can't Say	13	30
2 - Hardly	18	42
3- Moderately	11	26
4- Mostly	1	2
5- Definitely	0	0
Total	43	100

CO2 - Apply various Taxation act.



Score	No. of Students	Percentage (%)
1- Can't Say	17	40
2 - Hardly	16	37
3- Moderately	8	19
4- Mostly	1	2
5- Definitely	1	2
Total	43	100

CO6 - Evaluate advance techniques in traffic management



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

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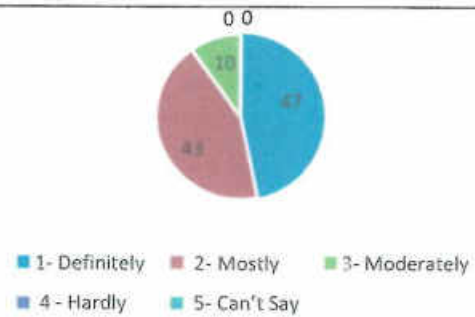
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Department of Automobile
Engineering Academic Year: 2020-21
Course Exit Analysis Report (Sem VIII)
Subject – VDY
Subject Teacher –Prof. Vishnudas Chodankar

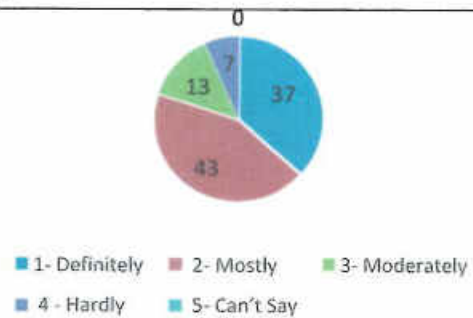
Score	No. of Students	Percentage (%)
1- Definitely	14	47
2- Mostly	13	43
3- Moderately	3	10
4 - Hardly	0	0
5- Can't Say	0	0
Total	30	100

CO1 - Describe Tire construction and naming system.



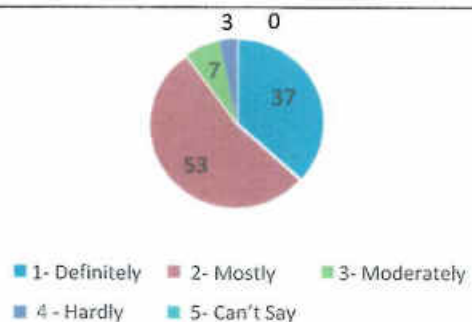
Score	No. of Students	Percentage (%)
1- Definitely	11	37
2- Mostly	13	43
3- Moderately	4	13
4 - Hardly	2	7
5- Can't Say	0	0
Total	30	100

CO2 - Explain different road and aerodynamic loads.



Score	No. of Students	Percentage (%)
1- Definitely	11	37
2- Mostly	16	53
3- Moderately	2	7
4 - Hardly	1	3
5- Can't Say	0	0
Total	30	100

CO3 - Classify suspension dynamics on vehicle body





Score	No. of Students	Percentage (%)
1- Definitely	11	37
2- Mostly	13	43
3- Moderately	5	17
4 - Hardly	1	3
5- Can't Say	0	0
Total	30	100

CO4 - Identify and compare steering systems on driver comfort.



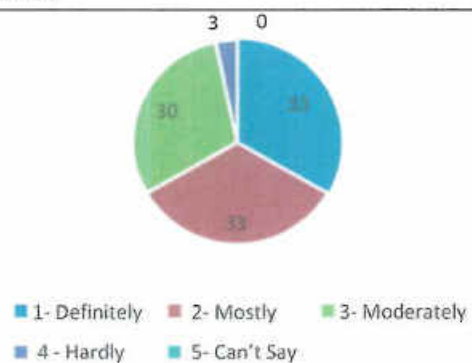
Score	No. of Students	Percentage (%)
1- Definitely	11	37
2- Mostly	16	53
3- Moderately	3	10
4 - Hardly	0	0
5- Can't Say	0	0
Total	30	100

CO5 - Analyze basic and advanced handling characteristics.



Score	No. of Students	Percentage (%)
1- Definitely	10	33
2- Mostly	10	33
3- Moderately	9	30
4 - Hardly	1	3
5- Can't Say	0	0
Total	30	100

CO6 - Propose recent developments in dynamics




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Academic Year: 2020-2021(EVEN SEM)

Course Exit Analysis Report (Sem

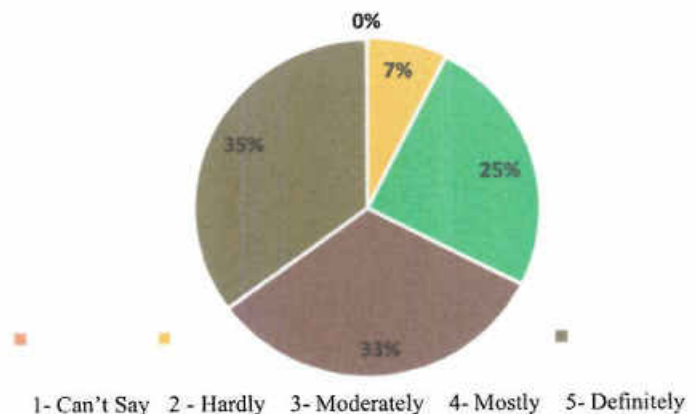
VIII)

Subject: Vehicle Maintainance

Subject In-charge: Prof. Amit Patil

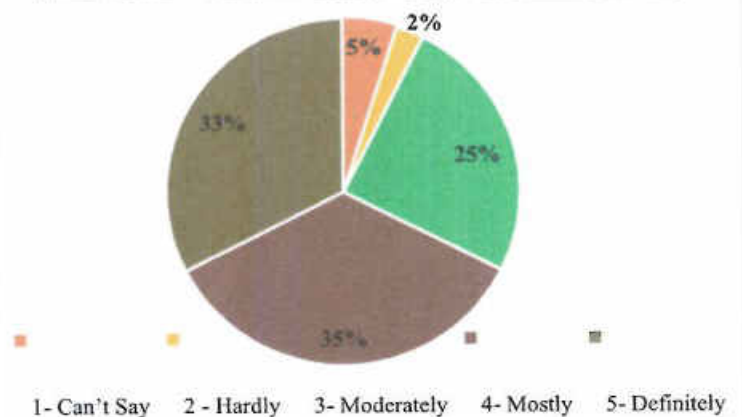
Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	3	7
3- Moderately	10	25
4- Mostly	13	33
5- Definitely	14	35
Total	40	100

CO1 - Demonstrate the maintenance procedure for automotive Engine and prepare checklist



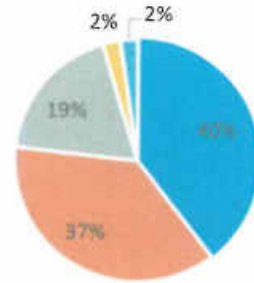
Score	No. of Students	Percentage (%)
1- Can't Say	2	5
2 - Hardly	1	2
3- Moderately	10	25
4- Mostly	14	35
5- Definitely	13	33
Total	40	100

CO2 - Assess OBD for diagnosing various faults



Score	No. of Students	Percentage (%)
1- Can't Say	17	40
2 - Hardly	16	37
3- Moderately	8	19
4- Mostly	1	2
5- Definitely	1	2
Total	43	100

CO6 - Propose the different automotive safety systems



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


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Action Taken on Student feedback Report

Department: Automobile Engineering

Action taken report on Feedback received from the Students in Academic Year 2020-2021.

SEM: SEM VIII

Year: BE

Sr. No.	Subject	Faculty	Feedback/concern	Action Taken
1	PDD	Prof.T.Z. Quazi	Maximum students were satisfied by course content	Extra information about latest product development process is shared with students https://marketing-insider.eu/new-product-development-process/
2	TMMI	Prof. Prashant Ingle	New Vehicle act is not included in syllabus. Need knowledge about updated rules.	Amendments in rules shared with students https://drive.google.com/file/d/1aKZHvBW9hE9c4VchMLZU9FdVVIKgzYxq/view?usp=sharing
3	VM	Prof. Chetan Thakur	required more content on automatic fault detection	As per the syllabus content, all contents were covered .However, this topic is explained through animation and working videos as well. https://www.youtube.com/watch?v=IMTMxnkmmyo https://www.youtube.com/watch?v=h9-6dkjMmQ4
4	Vehicle Safety	Prof. Amit Patil	Need information about NCAP rating if available cars in India	Information about NCAP rating of cars in India provided to students https://static1.squarespace.com/static/5fb4ea8933ae6c208c3dac41/t/6061a74d741cbf1c805578ce/1617012593384/2018-SaferCarsForIndia-progressreport.pdf https://static1.squarespace.com/static/5fb4ea8933ae6c208c3dac41/t/6061a92fe853a96bfd6df58/1617013063772/Market-for-Vehicle-Safety.pdf
5	AW	Prof. Chetan Thakur	Students were satisfied with the course .	All course content was covered well. Added activity based practical's of maintenance of automobiles
6	ILOC-EM	Dr. Sunita Pal	Need more case studies and government policies towards environment	All course content was covered well.PPTs and videos were shown to make it more interesting also self recorded videos shown to students for better understanding link: https://youtu.be/YRxutGgbUiA https://youtu.be/ITlyOUzmitU

7	ILOC-PM	Prof. Alka	Students were satisfied with the course and understood the concepts well.	All course content was covered well. Added activity based lecture & class task/discussion done.
8	VDY	Prof. Vishnu Chodankar.	Troubleshooting on wind tunnels should be explained.	Videos on troubleshooting of wind tunnel is shared with students https://www.youtube.com/watch?v=Uhf7rcE5Z0



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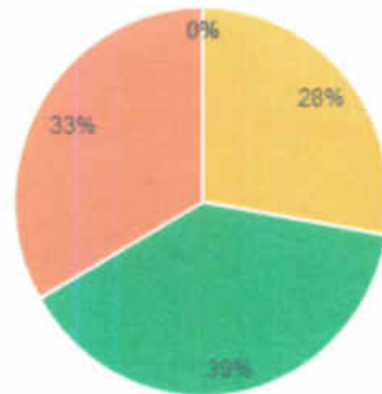


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Score	No. of Students	Percentage
1- Can't Say	0	0
2 - Hardly	0	0
3- Moderately	5	28
4- Mostly	7	39
5- Definitely	6	33
Total	18	100

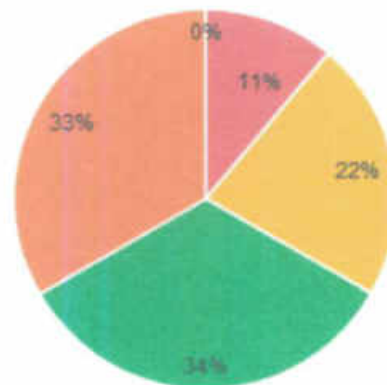
CO3. Are you able to understand the classification of grade of energy ?



• 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	2	11
3- Moderately	4	22
4- Mostly	6	33
5- Definitely	6	33
Total	18	100

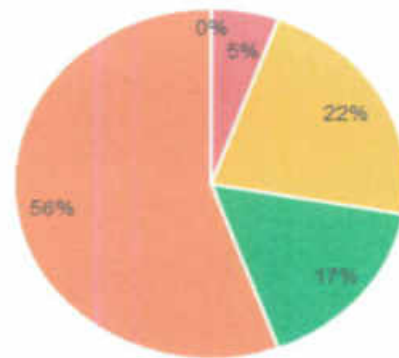
CO4. are you able to understand the basic concepts of steam formation process and vapour power cycles ?



• 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	6
3- Moderately	4	22
4- Mostly	3	17
5- Definitely	10	56
Total	18	100

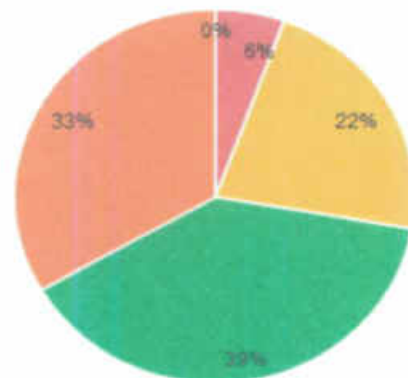
CO5. Are you able to apply the concept of various gas power cycle to solve problems ?



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

Score	No of Student	Percentage
1- Can't Say	0	0
2 - Hardly	1	6
3- Moderately	4	22
4- Mostly	7	39
5- Definitely	6	33
Total	18	100

CO6. Are you able to understand fundamentals of compressible fluid flow ?



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


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Academic Year: 2021-2022 (EVEN SEM)

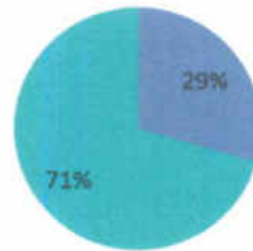
Course Exit Analysis Report (Sem III)

Subject: Strength of Materials

Subject In-charge: Prof. Sagar Khatavkar

Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	0	0
3- Moderately	0	0
4- Mostly	5	29
5- Definitely	12	71
Total	17	100

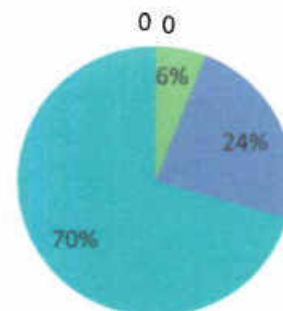
CO 1: Are you able to Analyse the Direct Tensile And Compressive stresses , Temperature Stresses?



■ 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	0	0
3- Moderately	1	6
4- Mostly	4	24
5- Definitely	12	70
Total	17	100

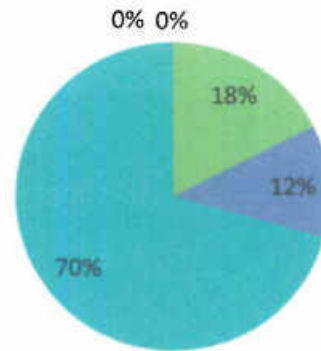
CO 2: Are you able to Anlyse the Shear Force and Bending Moment on different type beams and also are u able to draw the Required SFD , BMD and AFD?



■ 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	0	0
3- Moderately	3	18
4- Mostly	2	12
5- Definitely	12	70
Total	17	100

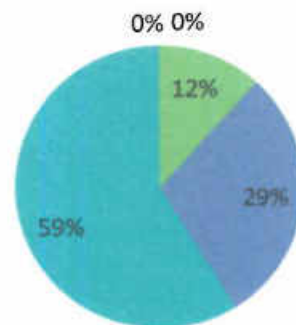
CO 3: Are you able to find the Bending stresses and Shearing Stress on the different type of Cross Section of the beams?



■ 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	0	0
3- Moderately	2	12
4- Mostly	5	29
5- Definitely	10	59
Total	17	100

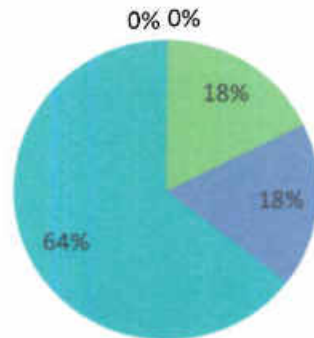
CO 4 :Are you able to Analyse the Torsion in Circular shaft and also the Strain Energy in different types of Loading conditions?



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

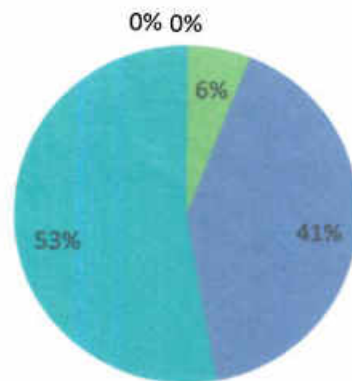
Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	0	0
3- Moderately	3	18
4- Mostly	3	18
5- Definitely	11	64
Total	17	100

CO 5: Are you able to Analyze Hoop's Stress , Longitudinal Stress, Maximum shear Stress and corresponding deformations in the thin cylindrical Shells?



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

CO 6: Are you able to analyse the crippling load on the Long Columns with different end conditions?



■ 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	0	0
3- Moderately	1	6
4- Mostly	7	41
5- Definitely	9	53
Total	17	100

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Department of Automobile

Engineering Academic Year: 2021-2022

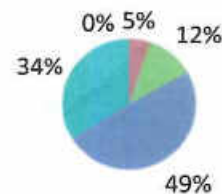
Course Exit Analysis Report (SEM III)

Subject – Engineering Mathematics III

Subject Teacher - Prof. Shirish Kulkarni

Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	3	5.1
3- Moderately	6	11.9
4- Mostly	24	49.2
5- Definitely	17	33.9
Total	49	100

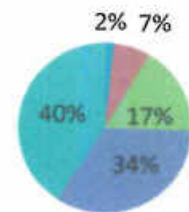
co 1: Have you understood the concept of inverse Laplace transform of various functions in engineering problems.



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

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.4
2 - Hardly	2	2.7
3- Moderately	7	17.8
4- Mostly	25	52.1
5- Definitely	12	26
Total	49	100

co 2: Are you able to find orthogonal trajectories and analytic function by using basic concepts of complex variable theory.

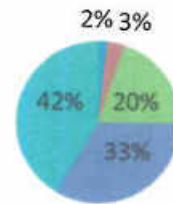


■ 1- Can't Say ■ 2 - Hardly ■ 3- Moderately
■ 4- Mostly ■ 5- Definitely



Score	No. of Students	Percentage (%)
1- Can't Say	1	1.4
2 - Hardly	2	3.4
3- Moderately	16	33.1
4- Mostly	19	39.7
5- Definitely	21	42.4
Total	49	100

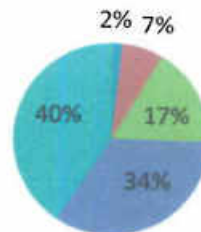
co3:Are you able to solve Partial differential equations by applying numerical solution and analytical methods for one dimensional heat and wave equations.



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

Score	No. of Students	Percentage (%)
1- Can't Say	1	1.7
2 - Hardly	4	6.8
3- Moderately	8	16.9
4- Mostly	16	33.9
5- Definitely	19	40.7
Total	49	100

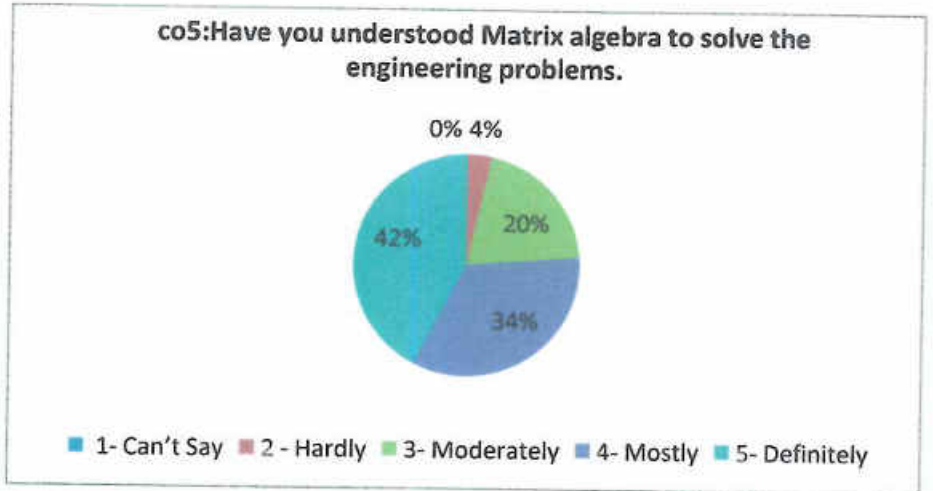
co4:Are you able to find orthogonal trajectories and analytic function by using basic concepts of complex variable theory.



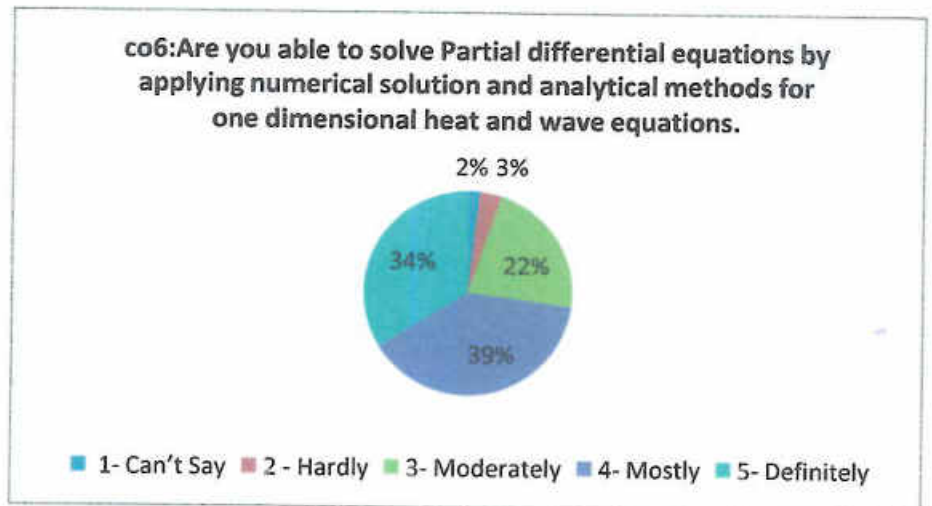
■ 1- Can't Say ■ 2 - Hardly ■ 3- Moderately ■ 4- Mostly ■ 5- Definitely



Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	2	3.4
3- Moderately	9	20.3
4- Mostly	16	33.9
5- Definitely	20	42.4
Total	49	100



Score	No. of Students	Percentage (%)
1- Can't Say	1	1.4
2 - Hardly	2	3.4
Moderately	09	22
4- Mostly	19	39
5- Definitely	17	33.9
Total	49	100



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Department of Automobile Engineering

Academic Year: 2021-2022 (EVEN SEM)

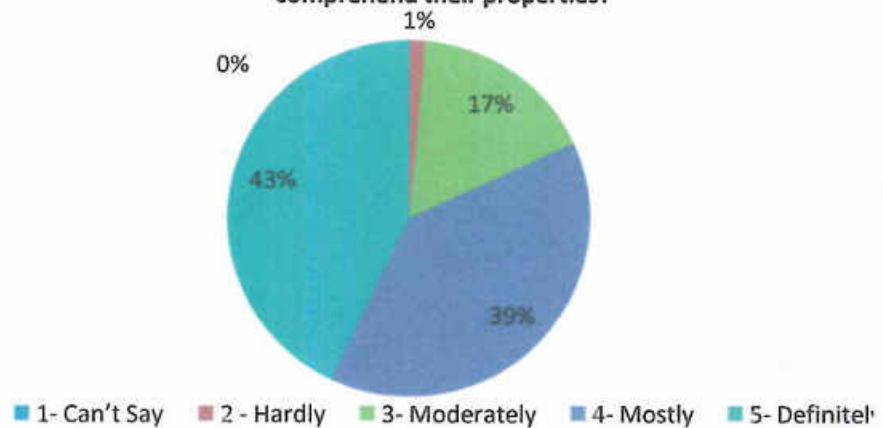
Course Exit Analysis Report (Sem III)

**Subject: Mechanical Measurements
 and Control**

Subject In-charge: Prof. Sagar Khatavkar

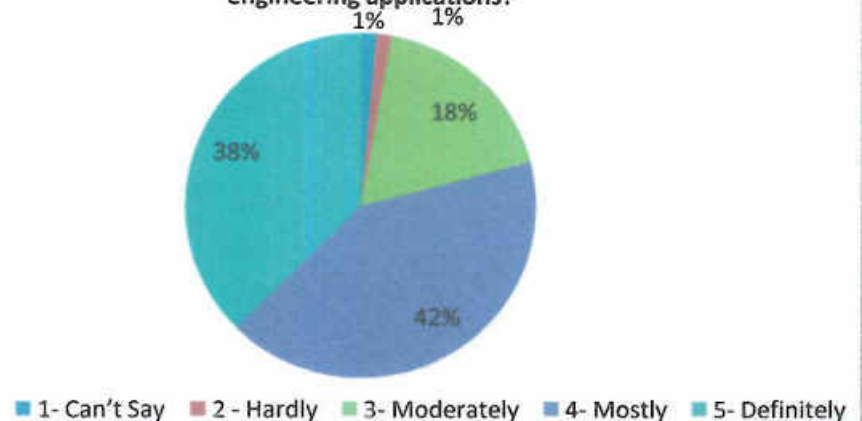
Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	1	1
3- Moderately	8	17
4- Mostly	19	39
5- Definitely	21	43
Total	49	100

CO 1: Are you able to identify various Classes of materials and comprehend their properties?



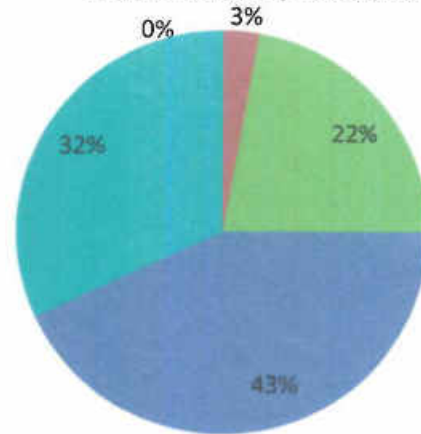
Score	No. of Students	Percentage (%)
1- Can't Say	1	1
2 - Hardly	1	1
3- Moderately	8	18
4- Mostly	20	42
5- Definitely	18	38
Total	49	100

CO 2: Are you able to apply phase diagram concepts to engineering applications?



Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	2	3
3- Moderately	10	22
4- Mostly	21	43
5- Definitely	15	32
Total	49	100

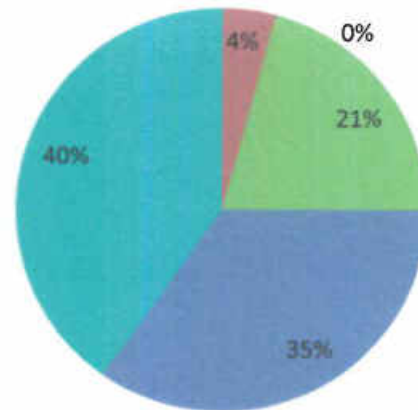
CO 3: Are you able to apply particular heat treatment for required property development?



■ 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	2	4
3- Moderately	10	21
4- Mostly	17	35
5- Definitely	19	40
Total	49	100

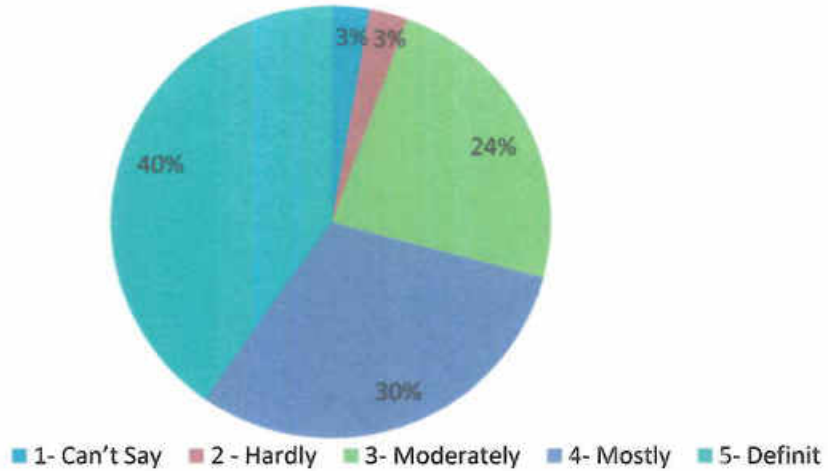
CO 4: Are you able to identify the probable mode of failure in materials and suggest measures to prevent them?



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

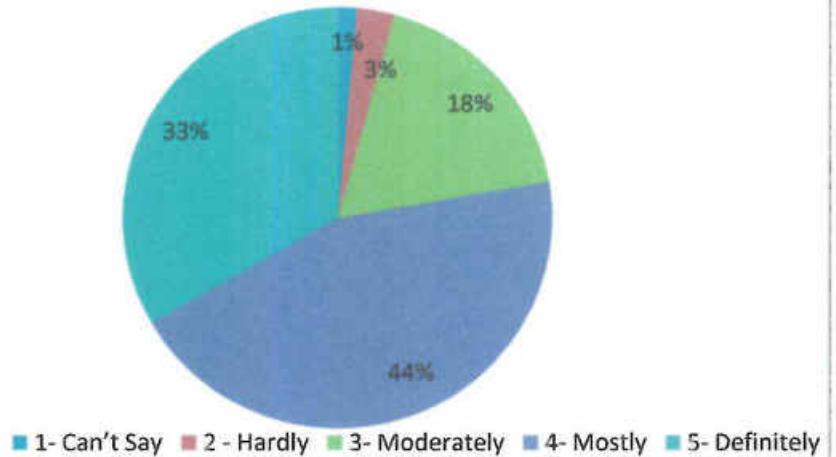
Score	No. of Students	Percentage (%)
1- Can't Say	2	3
2 - Hardly	2	3
3- Moderately	11	24
4- Mostly	15	31
5- Definitely	20	40
Total	49	100

CO 5: Are you able to Choose or develop new materials for better performance?



Score	No. of Students	Percentage (%)
1- Can't Say	1	1
2 - Hardly	2	3
3- Moderately	8	18
4- Mostly	20	44
5- Definitely	16	33
Total	72	100

CO 6: Are you able to decide an appropriate method to evaluate different components in service?



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Department of Automobile Engineering

Academic Year: 2021-2022 (ODD SEM)

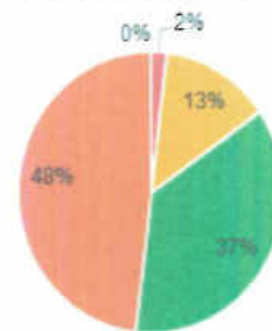
Course Exit Analysis Report (Sem V)

Subject: Internal Combustion Engine

Subject In-charge: Prof. Amit Patil

Score	No of Student	Percentage
1- Can't Say	0	0
2 - Hardly	1	2
3- Moderately	7	13
4- Mostly	19	37
5- Definitely	25	48
Total	52	100

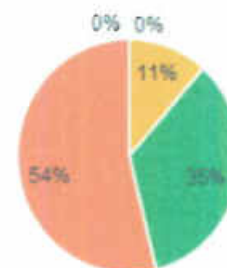
CO1. Are you able to understand air standard fuel cycles and concept to solve problems?



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

Score	No of Student	Percentage
1- Can't Say	0	0
2 - Hardly	0	0
3- Moderately	6	12
4- Mostly	18	35
5- Definitely	28	54
Total	52	100

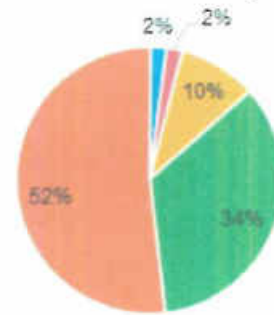
CO2. Are you able to understand SI ENGINE components, emission system and combustion processes?



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

Score	No of Student	Percentage
1- Can't Say	1	2
2 - Hardly	1	2
3- Moderately	5	10
4- Mostly	18	35
5- Definitely	27	52
Total	52	100

CO6. Are you able to apply engine performance characteristics to solve the problems?



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


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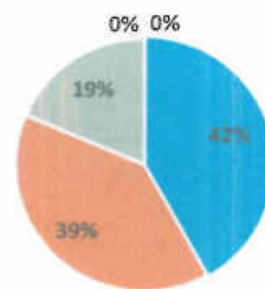
Course Exit Analysis Report (Sem V)

Subject: MD

Subject In-charge: Prof. Sagar Khatavkar

Score	No. of Students	Percentage (%)
1- Can't Say	18	42
2 - Hardly	17	40
3- Moderately	8	19
4- Mostly	0	0
5- Definitely	0	0
Total	43	100

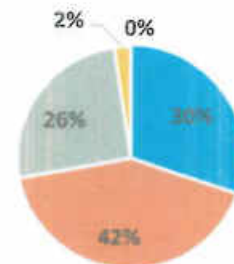
CO 1: Are you able to Illustrate basic principles of machine design.



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

Score	No. of Students	Percentage (%)
1- Can't Say	13	30
2 - Hardly	18	42
3- Moderately	11	26
4- Mostly	1	2
5- Definitely	0	0
Total	43	100

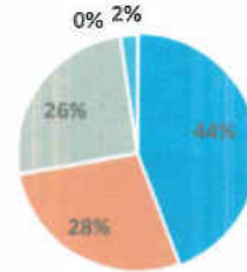
CO 2: Have you understood concept of curved beam and thick cylinder and will you be able to design machine elements of curved beam .



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

Score	No. of Students	Percentage (%)
1- Can't Say	19	44
2 - Hardly	12	28
3- Moderately	11	26
4- Mostly	0	0
5- Definitely	1	2
Total	43	100

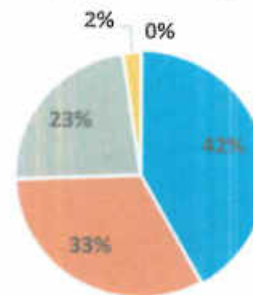
CO 3: Are you be able to Design machine elements for static dynamic loading, for ex. knuckle joint cotter joint etc. .



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

Score	No. of Students	Percentage (%)
1- Can't Say	18	42
2 - Hardly	14	33
3- Moderately	10	23
4- Mostly	1	2
5- Definitely	0	0
Total	43	100

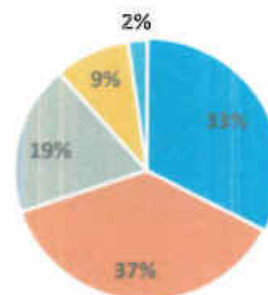
CO 4: Are you be able to Design machine elements for dynamic loading



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

Score	No. of Students	Percentage (%)
1- Can't Say	14	33
2 - Hardly	16	37
3- Moderately	8	19
4- Mostly	4	9
5- Definitely	1	2
Total	43	100

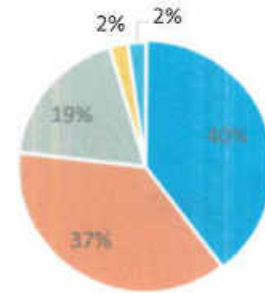
CO 5: Are you able to Use design data books in designing shaft, keys and coupling



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

Score	No. of Students	Percentage (%)
1- Can't Say	17	40
2 - Hardly	16	37
3- Moderately	8	19
4- Mostly	1	2
5- Definitely	1	2
Total	43	100

CO 6: Are you able to Use design data books in designing springs.



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

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Department of Automobile

Engineering Academic Year: 2020-21

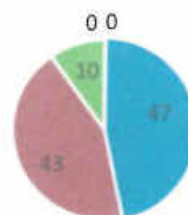
Course Exit Analysis Report (Sem V)

Subject – FEA

Subject Teacher –Prof. Naita Tangan

Score	No. of Students	Percentage (%)
1- Definitely	14	47
2- Mostly	13	43
3- Moderately	3	10
4 - Hardly	0	0
5- Can't Say	0	0
Total	30	100

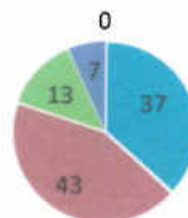
CO1.Are you able to solve differential equations using weighted residual methods?



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

Score	No. of Students	Percentage (%)
1- Definitely	11	37
2- Mostly	13	43
3- Moderately	4	13
4 - Hardly	2	7
5- Can't Say	0	0
Total	30	100

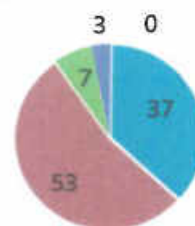
CO1.Are you able to solve differential equations using weighted residual methods?



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

Score	No. of Students	Percentage (%)
1- Definitely	11	37
2- Mostly	16	53
3- Moderately	2	7
4 - Hardly	1	3
5- Can't Say	0	0
Total	30	100

CO1.Are you able to solve differential equations using weighted residual methods?



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



Score	No. of Students	Percentage (%)
1- Definitely	11	37
2- Mostly	13	43
3- Moderately	5	17
4 - Hardly	1	3
5- Can't Say	0	0
Total	30	100

CO4. Are you able to apply the basic finite element formulation techniques to solve engineering problems by using two dimensional elements?



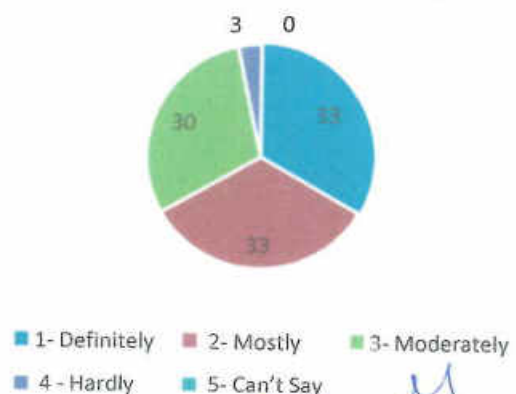
Score	No. of Students	Percentage (%)
1- Definitely	11	37
2- Mostly	16	53
3- Moderately	3	10
4 - Hardly	0	0
5- Can't Say	0	0
Total	30	100

CO5. Are you able to apply the basic finite element formulation techniques to find natural frequency of single degree of vibration system?



Score	No. of Students	Percentage (%)
1- Definitely	10	33
2- Mostly	10	33
3- Moderately	9	30
4 - Hardly	1	3
5- Can't Say	0	0
Total	30	100

CO6. Are you able to use commercial FEA software, to solve problems related to mechanical engineering?




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(ODD SEM) **Course Exit Analysis**

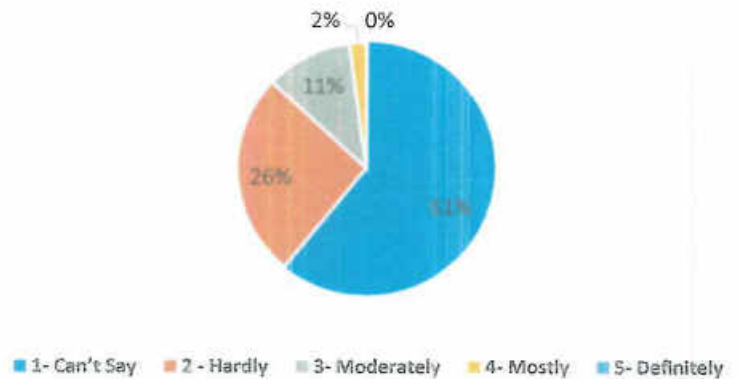
Report (Sem V) Subject:

OPTIMIZATION TECHNIQUES

Subject In-charge: Prof. Vishnudas Ch0dankar

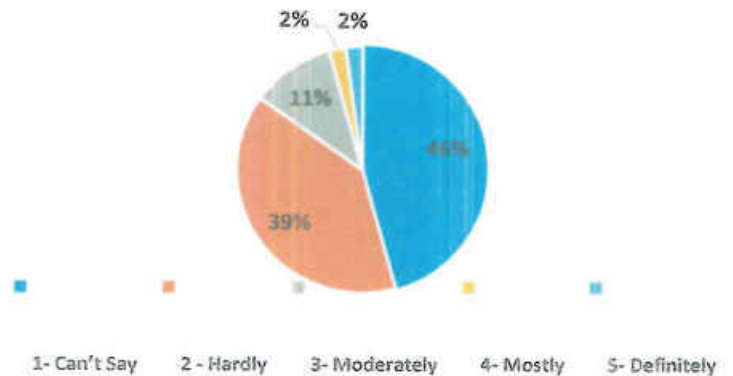
Score	No. of Students	Percentage (%)
1- Can't Say	28	61
2 - Hardly	12	26
3- Moderately	5	11
4- Mostly	1	2
5- Definitely	0	0
Total	46	100

CO 1: Are you able to identify the three modes of heat transfer



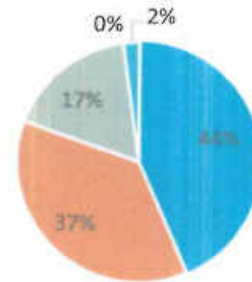
Score	No. of Students	Percentage (%)
1- Can't Say	21	46
2 - Hardly	18	39
3- Moderately	5	11
4- Mostly	1	2
5- Definitely	1	2
Total	46	100

CO2: Are you able to solve problems on steady state conduction.



Score	No. of Students	Percentage (%)
1- Can't Say	20	44
2 - Hardly	17	37
3- Moderately	8	17
4- Mostly	0	0
5- Definitely	1	2
Total	46	100

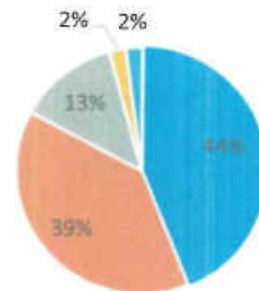
CO 3: Are you able to solve problems on unsteady state conduction and Fins.



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

Score	No. of Students	Percentage (%)
1- Can't Say	20	43
2 - Hardly	18	39
3- Moderately	6	13
4- Mostly	1	2
5- Definitely	1	2
Total	46	100

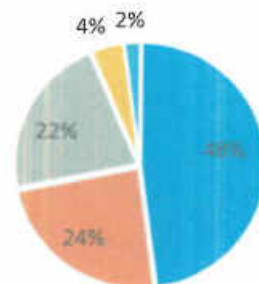
CO 4: Are you able to solve problems based on natural and forced convection.



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

Score	No. of Students	Percentage (%)
1- Can't Say	22	48
2 - Hardly	11	24
3- Moderately	10	22
4- Mostly	2	4
5- Definitely	1	2
Total	46	100

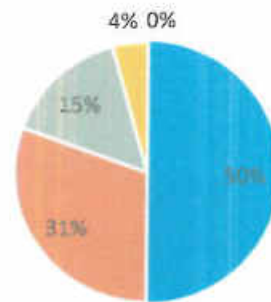
CO 5: Are you able to solve problems based Thermal Radiation



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

Score	No. of Students	Percentage (%)
1- Can't Say	22	50
2 - Hardly	11	30
3- Moderately	10	15
4- Mostly	2	4
5- Definitely	1	0
Total	46	100

CO 6 Are you able to Analyse different heat exchangers and quantify their performance



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

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Department of Automobile

Engineering Academic Year: 2021-2022

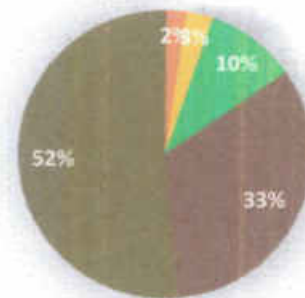
(ODD SEM) **Course Exit Analysis**

Report (Sem V) Subject: MMC

Subject In-charge: Prof. Namita Thangan

Score	No. of Students	Percentage (%)
1- Can't Say	1	2
2 - Hardly	2	3
3- Moderately	5	10
4- Mostly	16	33
5- Definitely	25	52
Total	49	100

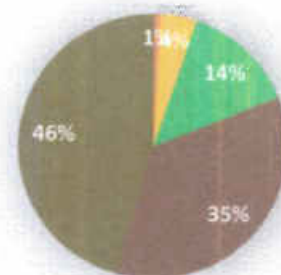
CO1. Are you able to Apply appropriate instrumentation tools to make measurements of physical quantities



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

Score	No. of Students	Percentage (%)
1- Can't Say	1	1
2 - Hardly	2	4
3- Moderately	6	14
4- Mostly	17	36
5- Definitely	22	46
Total	49	100

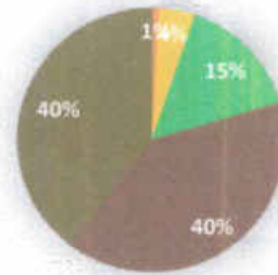
CO2. Are you able to Identify different fundamentals for solving engineering problems



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

Score	No. of Students	Percentage (%)
1- Can't Say	1	1
2 - Hardly	2	4
3- Moderately	7	15
4- Mostly	19	40
5- Definitely	19	40
Total	49	100

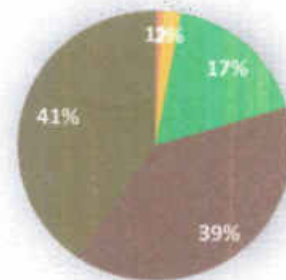
CO3. Are you able to Analysis of system through the application of various test inputs and generating information for improvisation in design of system



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

Score	No. of Students	Percentage (%)
1- Can't Say	1	1
2 - Hardly	2	2
3- Moderately	8	17
4- Mostly	19	39
5- Definitely	20	41
Total	49	100

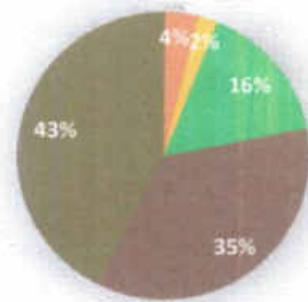
CO4. Are you able to Apply engineering mathematics and computations to solve mathematical models for control system



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

Score	No. of Students	Percentage (%)
1- Can't Say	2	4
2 - Hardly	1	2
3- Moderately	7	16
4- Mostly	17	36
5- Definitely	21	43
Total	49	100

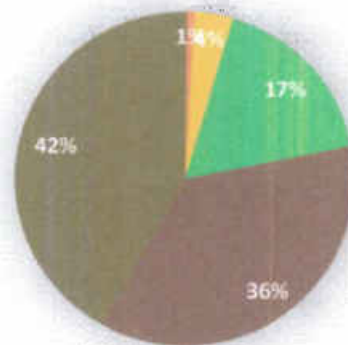
CO5. Are you able to analyze and evaluate the system in time and frequency domain and interpret the stability




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

Score	No. of Students	Percentage (%)
1- Can't Say	1	1
2 - Hardly	2	4
3- Moderately	8	17
4- Mostly	17	36
5- Definitely	20	42
Total	49	100

CO6. Are you able to Apply bode plot techniques to solve mathematical models for control system?



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


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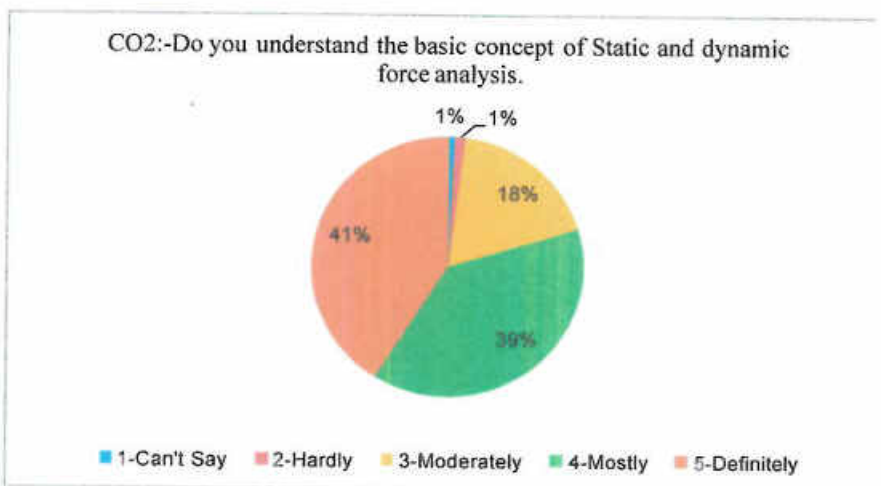
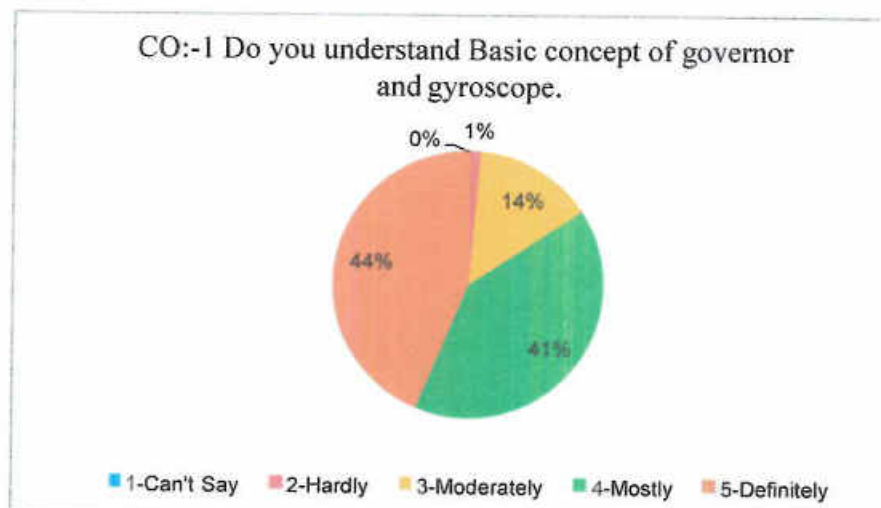
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Department of Automobile Engineering
Course Exit Analysis Report (ODD SEM)
Academic Year: - 2021-2022 Semester:-V
Subject: - Automotive System

Subject In charge: -Prof. Supriya Khapre

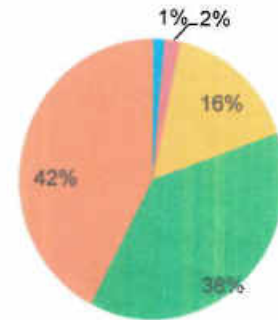
Score	No of Students	Percentage
1-Can'tSay	0	0
2-Hardly	1	1
3-Moderately	7	14
4-Mostly	20	41
5-Definitely	22	44
TOTAL	52	100

Score	No of Students	Percentage
1-Can'tSay	1	0
2-Hardly	1	1
3-Moderately	9	14
4-Mostly	20	41
5-Definitely	22	44
TOTAL	52	100



Score	No of Students	Percentage
1-Can't Say	1	1
2-Hardly	2	2
3-Moderately	7	16
4-Mostly	19	38
5-Definitely	21	42
TOTAL	52	100

CO3:-Are you able to solve problems based on natural frequency of element /system.

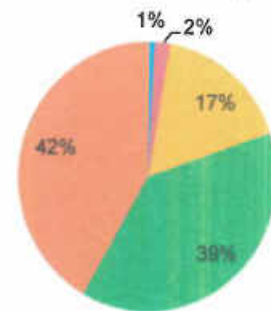


■ 1-Can't Say ■ 2-Hardly ■ 3-Moderately ■ 4-Mostly ■ 5-Definitely

Score	No of Students	Percentage
1-Can't Say	1	1
2-Hardly	2	2
3-Moderately	8	17
4-Mostly	19	39
5-Definitely	22	42
TOTAL	52	100

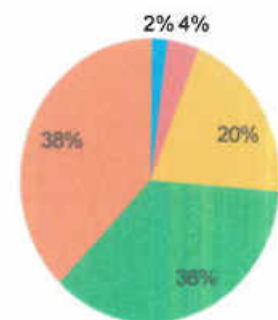
Score	No of Students	Percentage
1-Can't Say	2	2
2-Hardly	4	4
3-Moderately	10	20
4-Mostly	17	36
5-Definitely	18	38
TOTAL	52	100

CO4:-Are you able to solve problems based on Free Damped Single Degree of Freedom Vibration System.



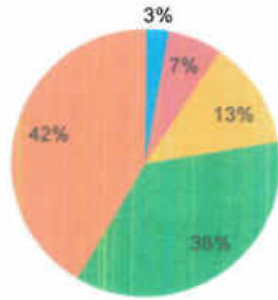
■ 1-Can't Say ■ 2-Hardly ■ 3-Moderately ■ 4-Mostly ■ 5-Definitely

CO5:-Are you able to solve problems based on vibration isolation system.



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

CO6:-Do you understand Basic concept of balancing of forces and couples.



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

Score	No of Students	Percentage
1-Can't Say	3	3
2-Hardly	6	7
3-Moderately	8	13
4-Mostly	17	36
5-Definitely	20	42
TOTAL	52	100

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Department of Automobile Engineering

Academic Year: 2021-2022(ODD SEM)

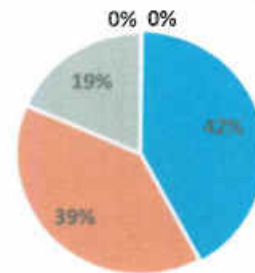
Course Exit Analysis Report (Sem VII)

Subject: Product Lifecycle Management

Subject In-charge: Prof. Taqui Quazi

Score	No. of Students	Percentage (%)
1- Can't Say	18	42
2 - Hardly	17	40
3- Moderately	8	19
4- Mostly	0	0
5- Definitely	0	0
Total	43	100

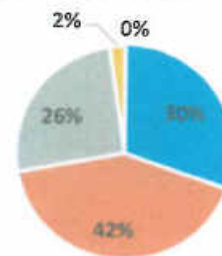
CO1 - Gain knowledge about phases of PLM, PLM strategies and methodology for PLM feasibility study and PDM implementation.



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

Score	No. of Students	Percentage (%)
1- Can't Say	13	30
2 - Hardly	18	42
3- Moderately	11	26
4- Mostly	1	2
5- Definitely	0	0
Total	43	100

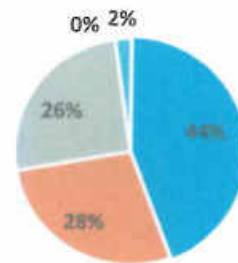
CO2 - Illustrate various approaches and techniques for designing and developing products.



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

	No. of Students	Percentage (%)
1- Can't Say	19	44
2 - Hardly	12	28
3- Moderately	11	26
4- Mostly	0	0
5- Definitely	1	2
Total	43	100

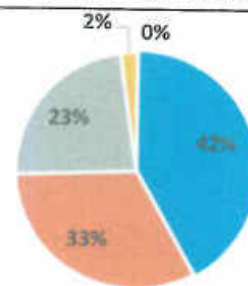
CO3 - Apply product engineering guidelines / thumb rules in designing products for moulding, machining, sheet metal working etc.



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

Score	No. of Students	Percentage (%)
1- Can't Say	18	42
2 - Hardly	14	33
3- Moderately	10	23
4- Mostly	1	2
5- Definitely	0	0
Total	43	100

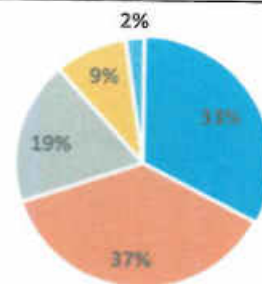
CO4 - Acquire knowledge in applying virtual product development tools for components, machining and manufacturing plant



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

Score	No. of Students	Percentage (%)
1- Can't Say	14	33
2 - Hardly	16	37
3- Moderately	8	19
4- Mostly	4	9
5- Definitely	1	2
Total	43	100

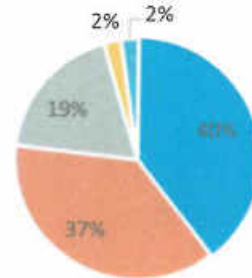
CO5 - To create awareness about environmentally responsible product design requirements.



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

Score	No. of Students	Percentage (%)
1- Can't Say	17	40
2 - Hardly	16	37
3- Moderately	8	19
4- Mostly	1	2
5- Definitely	1	2
Total	43	100

CO6 - To create awareness about Life cycle Assessment



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


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Academic Year: 2021-2022 (ODD SEM)

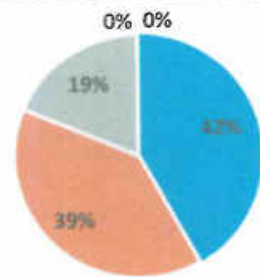
Course Exit Analysis Report (Sem VII)

Subject: AD

Subject In-charge: Prof. Chetan Thakur

Score	No. of Students	Percentage (%)
1- Can't Say	18	42
2 - Hardly	17	40
3- Moderately	8	19
4- Mostly	0	0
5- Definitely	0	0
Total	43	100

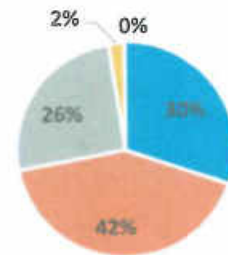
CO1 - Design of various parts of I.C. Engines



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

Score	No. of Students	Percentage (%)
1- Can't Say	13	30
2 - Hardly	18	42
3- Moderately	11	26
4- Mostly	1	2
5- Definitely	0	0
Total	43	100

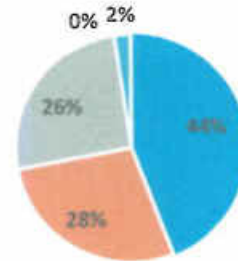
CO2 - Design of Crank, crankshaft and crank pin



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

	No. of Students	Percentage (%)
1- Can't Say	19	44
2 - Hardly	12	28
3- Moderately	11	26
4- Mostly	0	0
5- Definitely	1	2
Total	43	100

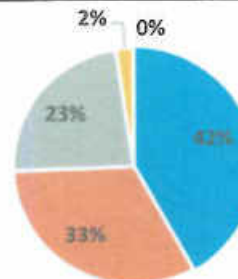
CO3 - Design of Clutches and Gear Boxes



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

Score	No. of Students	Percentage (%)
1- Can't Say	18	42
2 - Hardly	14	33
3- Moderately	10	23
4- Mostly	1	2
5- Definitely	0	0
Total	43	100

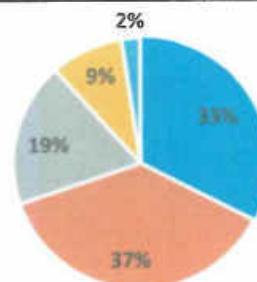
CO4 - Design of Drive train



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

Score	No. of Students	Percentage (%)
1- Can't Say	14	33
2 - Hardly	16	37
3- Moderately	8	19
4- Mostly	4	9
5- Definitely	1	2
Total	43	100

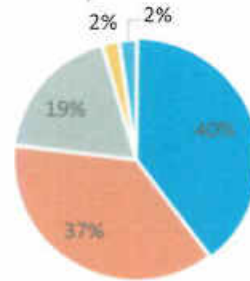
CO5 - Judge the fundamental knowledge in the field of automotive design



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

Score	No. of Students	Percentage (%)
1- Can't Say	17	40
2 - Hardly	16	37
3- Moderately	8	19
4- Mostly	1	2
5- Definitely	1	2
Total	43	100

CO6 - Determine the analytical abilities to give solutions to Automotive design problems



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

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Department of Automobile Engineering

Academic Year: 2021-2022 (ODD SEM)

Course Exit Analysis Report (Sem

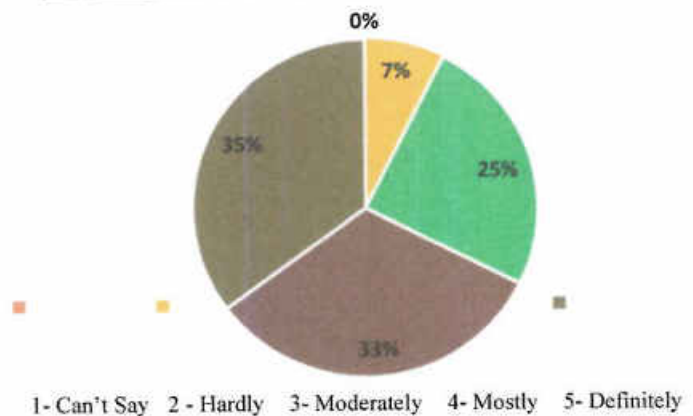
VII)

Subject: Disaster Management and Mitigation Measures

Subject In-charge:

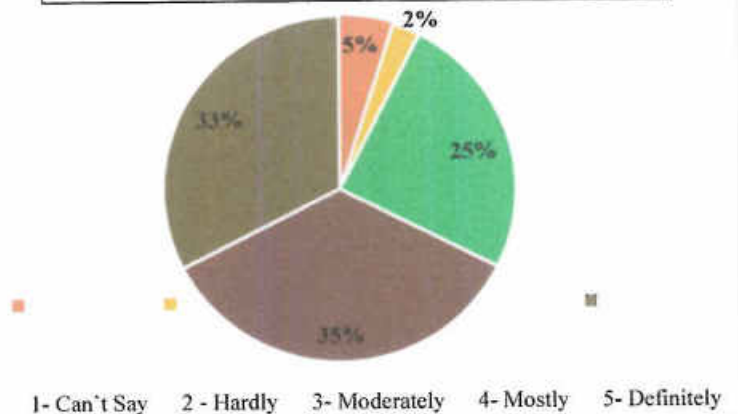
Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	3	7
3- Moderately	10	25
4- Mostly	13	33
5- Definitely	14	35
Total	40	100

CO1 - Understand concept of various types of disaster.



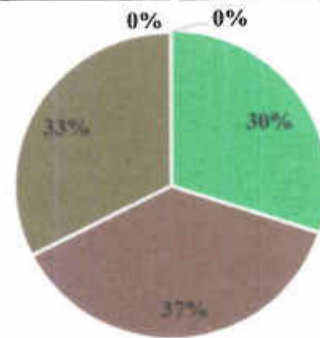
Score	No. of Students	Percentage (%)
1- Can't Say	2	5
2 - Hardly	1	2
3- Moderately	10	25
4- Mostly	14	35
5- Definitely	13	33
Total	40	100

CO2 - Apply the knowledge to know natural as well as manmade disaster and their extent and possible effects on the economy.



Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	0	0
3- Moderately	12	30
4- Mostly	15	38
5- Definitely	13	33
Total	40	100

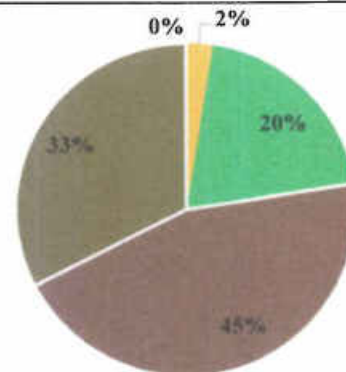
CO3 - Apply the knowledge to Plan of national importance structures based upon the previous history.



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	3
3- Moderately	8	20
4- Mostly	18	45
5- Definitely	13	33
Total	40	100

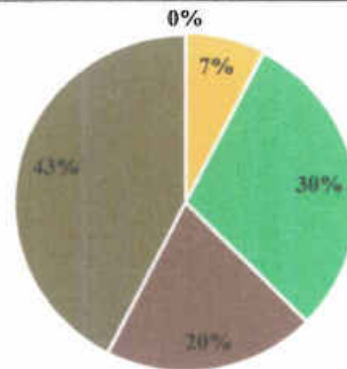
CO4 - Get acquainted with government policies, acts and various organizational structures associated with an emergency.



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	3	8
3- Moderately	12	30
4- Mostly	8	20
5- Definitely	17	43
Total	40	100

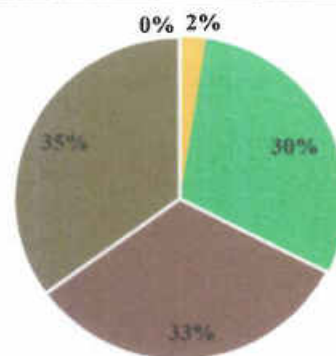
CO5 - Understand role of organization for financial relief



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	3
3- Moderately	12	30
4- Mostly	13	33
5- Definitely	14	35
Total	40	100

CO6 - Get to know the simple do's and don'ts in such extreme events and act accordingly



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


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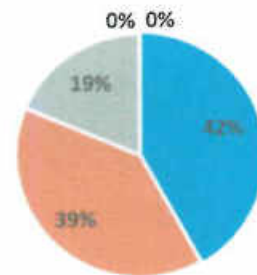
Course Exit Analysis Report (Sem VII)

Subject: CAD/CAM/CAE

Subject In-charge: Prof. Namita Tangan

Score	No. of Students	Percentage (%)
1- Can't Say	18	42
2 - Hardly	17	40
3- Moderately	8	19
4- Mostly	0	0
5- Definitely	0	0
Total	43	100

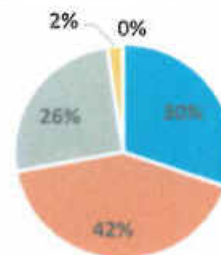
CO1 - Identify proper computer graphics techniques for geometric modeling.



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

Score	No. of Students	Percentage (%)
1- Can't Say	13	30
2 - Hardly	18	42
3- Moderately	11	26
4- Mostly	1	2
5- Definitely	0	0
Total	43	100

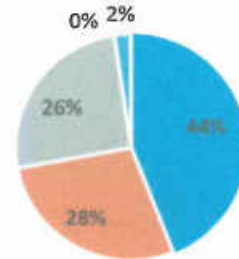
CO2 - Transform, manipulate objects and store and manage data.



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

Score	No. of Students	Percentage (%)
1- Can't Say	19	44
2 - Hardly	12	28
3- Moderately	11	26
4- Mostly	0	0
5- Definitely	1	2
Total	43	100

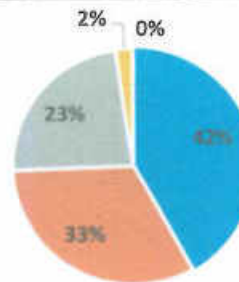
CO3 - Prepare part programming applicable to CNC machines.



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

Score	No. of Students	Percentage (%)
1- Can't Say	18	42
2 - Hardly	14	33
3- Moderately	10	23
4- Mostly	1	2
5- Definitely	0	0
Total	43	100

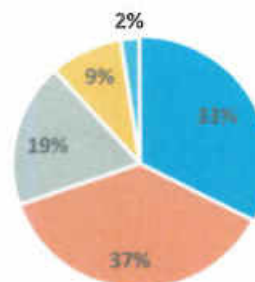
CO4 - Use rapid prototyping and tooling concepts in any real life applications.



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

Score	No. of Students	Percentage (%)
1- Can't Say	14	33
2 - Hardly	16	37
3- Moderately	8	19
4- Mostly	4	9
5- Definitely	1	2
Total	43	100

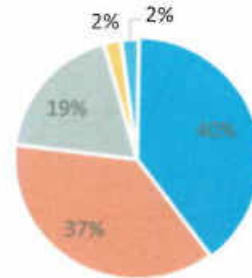
CO5 - Identify the tools for Analysis of a complex engineering component.



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

Score	No. of Students	Percentage (%)
1- Can't Say	17	40
2 - Hardly	16	37
3- Moderately	8	19
4- Mostly	1	2
5- Definitely	1	2
Total	43	100

CO6 - Generate CAM Tool path Creation and NC- G code output.



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

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Academic Year: 2021-2022 (ODD SEM)

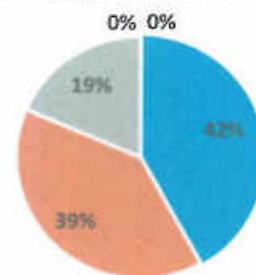
Course Exit Analysis Report (Sem VII)

Subject: Autotronics

Subject In-charge: Prof. P. Ingle

Score	No. of Students	Percentage (%)
1- Can't Say	18	42
2 - Hardly	17	40
3- Moderately	8	19
4- Mostly	0	0
5- Definitely	0	0
Total	43	100

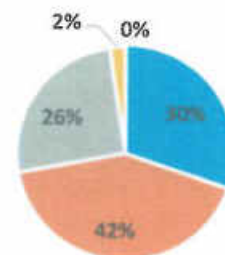
CO1 - Explain the working of different batteries and fuel cells along with its charging, rating, and maintenance.



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

Score	No. of Students	Percentage (%)
1- Can't Say	13	30
2 - Hardly	18	42
3- Moderately	11	26
4- Mostly	1	2
5- Definitely	0	0
Total	43	100

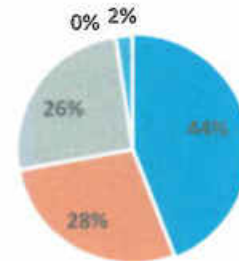
CO2 - Demonstrate the working of charging systems used in automobiles.



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

Score	No. of Students	Percentage (%)
1- Can't Say	19	44
2 - Hardly	12	28
3- Moderately	11	26
4- Mostly	0	0
5- Definitely	1	2
Total	43	100

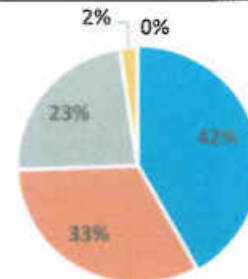
CO3 - Illustrate the working of starting systems used in automobiles



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

Score	No. of Students	Percentage (%)
1- Can't Say	18	42
2 - Hardly	14	33
3- Moderately	10	23
4- Mostly	1	2
5- Definitely	0	0
Total	43	100

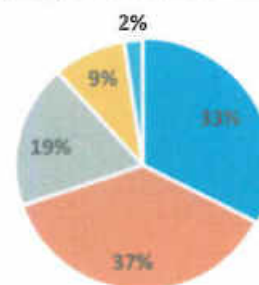
CO4 - Elaborate the advancements like Electronic Ignition and Engine control systems (ECM) with its significance in vehicle



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

Score	No. of Students	Percentage (%)
1- Can't Say	14	33
2 - Hardly	16	37
3- Moderately	8	19
4- Mostly	4	9
5- Definitely	1	2
Total	43	100

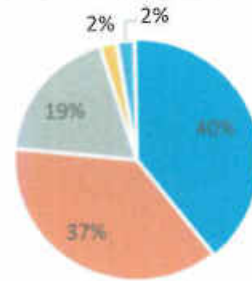
CO5 - Discuss the working of different automotive Sensors and Actuators.



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

Score	No. of Students	Percentage (%)
1- Can't Say	17	40
2 - Hardly	16	37
3- Moderately	8	19
4- Mostly	1	2
5- Definitely	1	2
Total	43	100

CO6 - Draw and Interpret automotive lighting and wiring harness systems.



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


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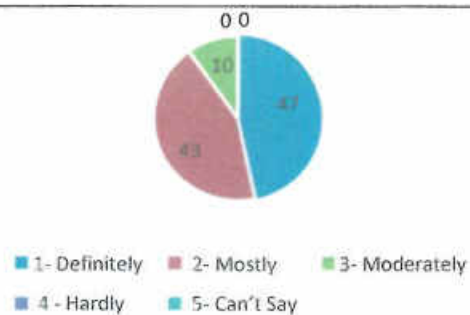

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Department of Automobile
Engineering Academic Year: 2021-2022
 Course Exit Analysis Report (Sem VII)
Subject – Automotive Aerodynamics and Aesthetics
Subject Teacher –Prof. Supriya Khapre

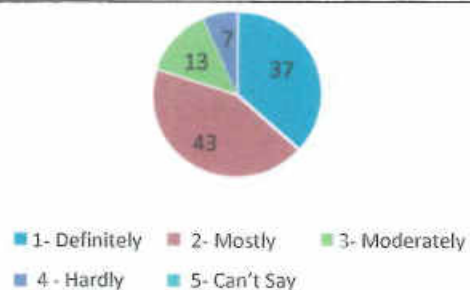
Score	No. of Students	Percentage (%)
1- Definitely	14	47
2- Mostly	13	43
3- Moderately	3	10
4 - Hardly	0	0
5- Can't Say	0	0
Total	30	100

CO1 - Recognize the several flow phenomenon related to vehicle



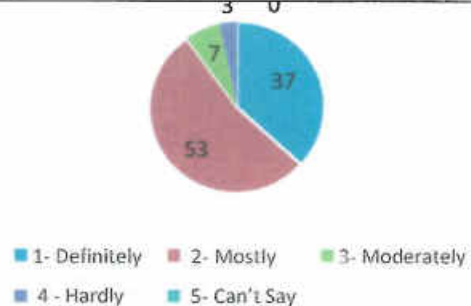
Score	No. of Students	Percentage (%)
1- Definitely	11	37
2- Mostly	13	43
3- Moderately	4	13
4 - Hardly	2	7
5- Can't Say	0	0
Total	30	100

CO2 - Implementation of various aerodynamic drag forces on car



Score	No. of Students	Percentage (%)
1- Definitely	11	37
2- Mostly	16	53
3- Moderately	2	7
4 - Hardly	1	3
5- Can't Say	0	0
Total	30	100

CO3 - Optimize several shape configuration in automobile





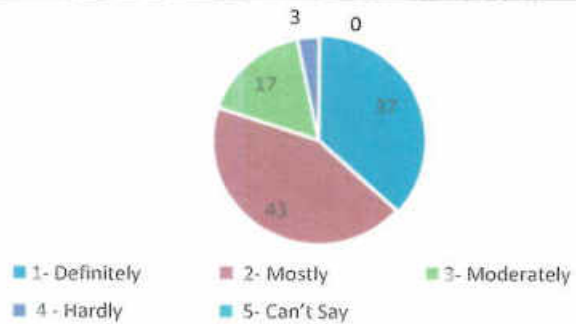
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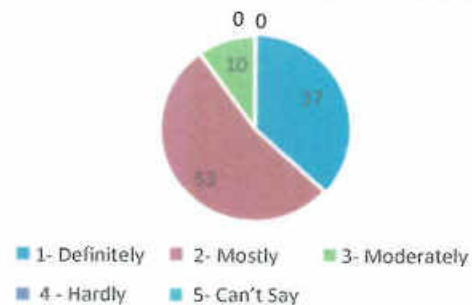
Score	No. of Students	Percentage (%)
1- Definitely	11	37
2- Mostly	13	43
3- Moderately	5	17
4 - Hardly	1	3
5- Can't Say	0	0
Total	30	100

CO4 - Apply the aerodynamic forces on stability of vehicle



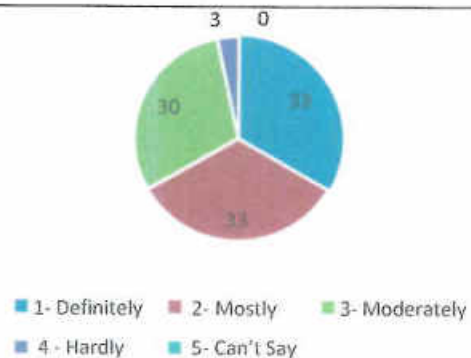
Score	No. of Students	Percentage (%)
1- Definitely	11	37
2- Mostly	16	53
3- Moderately	3	10
4 - Hardly	0	0
5- Can't Say	0	0
Total	30	100

CO5 - Describe the wind tunnel technology for aerodynamic



Score	No. of Students	Percentage (%)
1- Definitely	10	33
2- Mostly	10	33
3- Moderately	9	30
4 - Hardly	1	3
5- Can't Say	0	0
Total	30	100

CO6 - Demonstrate various techniques for automobile aesthetics



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