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**SARASWATI College of Engineering**

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Kharghar, Navi Mumbai - 410 210.

**NAAC Accredited**

Department of Mechanical Engineering

ODD

Academic Year: 2020-2021(EVEN SEM)

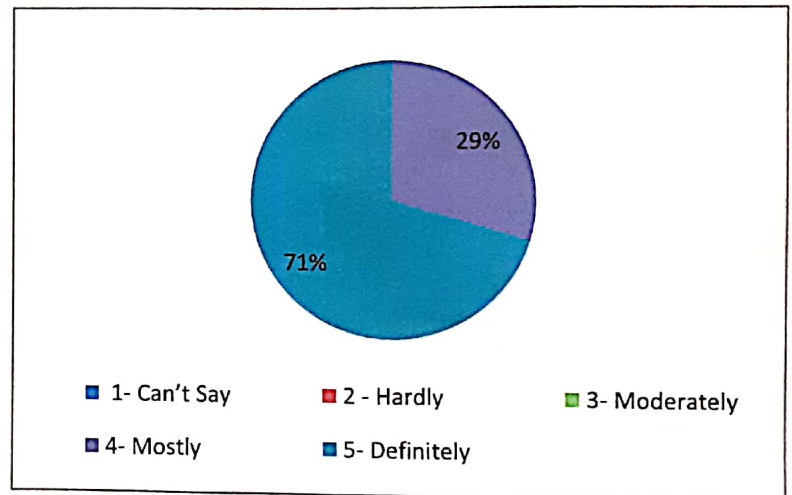
**Course Exit Analysis Report (Sem III)**

**Subject: Strength of Materials**

Subject In-charge: Prof. Sandeep B Jadhav

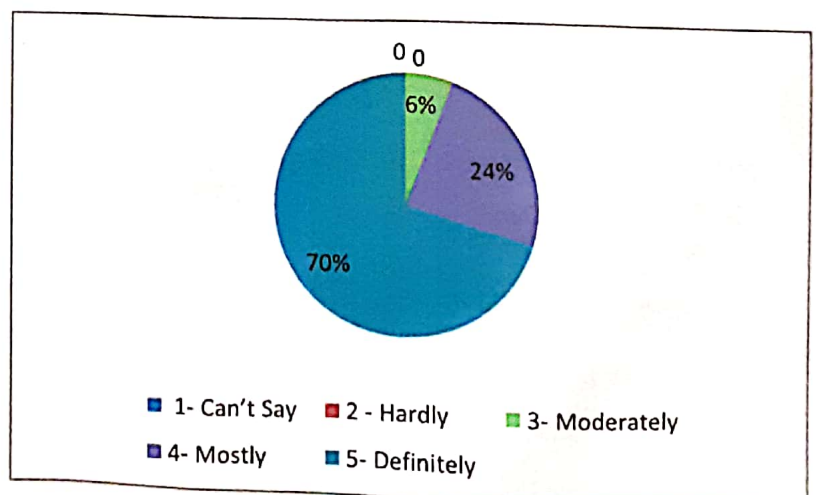
CO 1: Are you able to Analyse the Direct Tensile And Compressive stresses , Temperature Stresses?

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



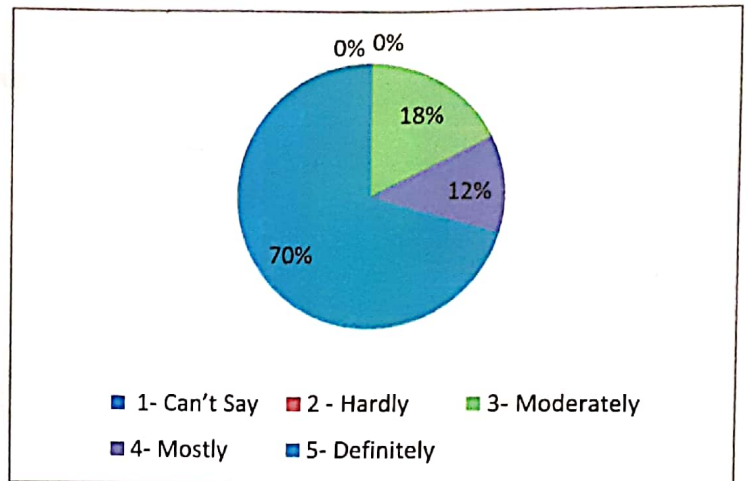
CO 2: Are you able to Anlyse the Shear Force and Bending Moment on different type beams and also are u able to draw the Required SFD , BMD and AFD?

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



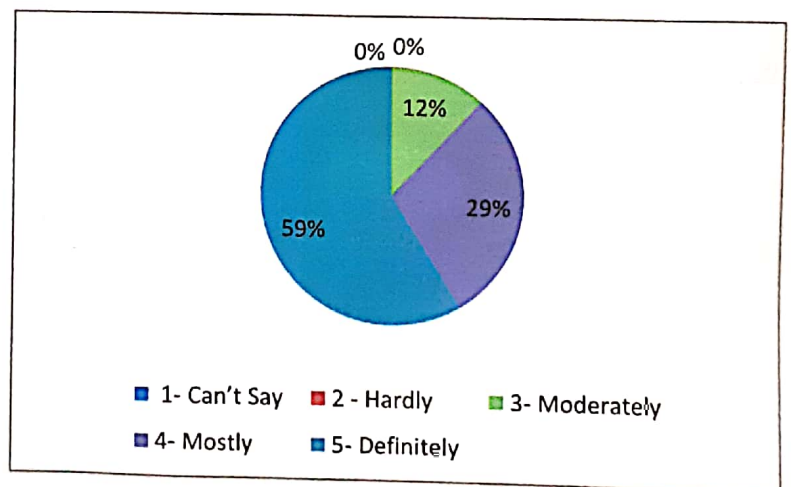
CO 3: Are you able to find the Bending stresses and Shearing Stress on the different type of Cross Section of the beams?

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



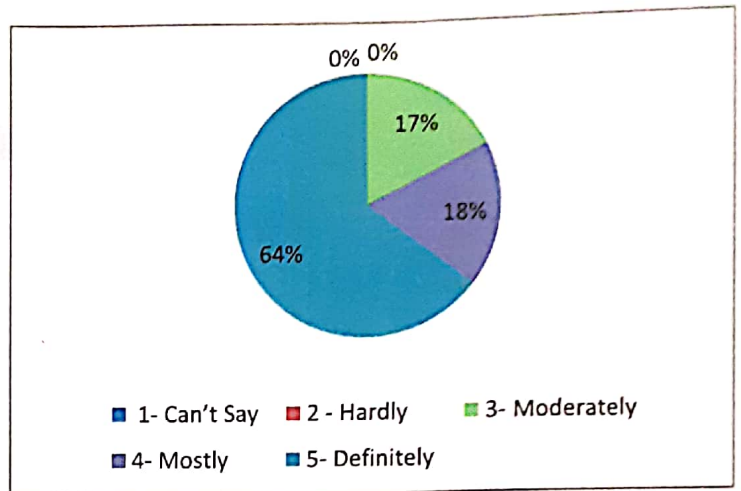
CO 4 : Are you able to Analyse the Torsion in Circular shaft and also the Strain Energy in different types of Loading conditions?

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



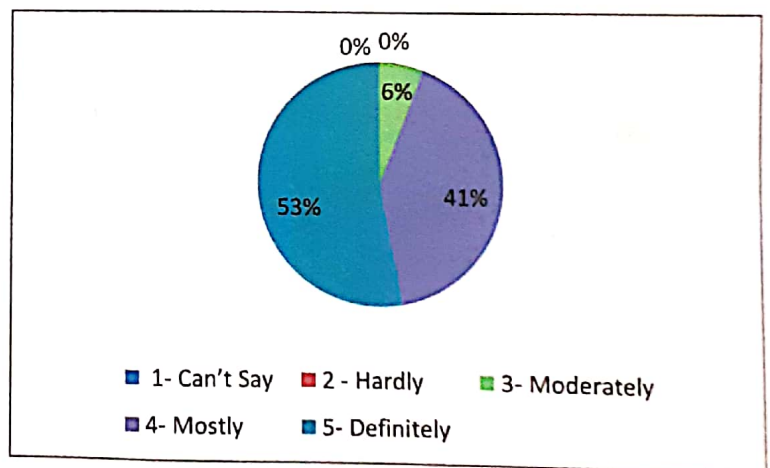
CO 5: Are you able to Analyze Hoop's Stress , Longitudinal Stress, Maximum shear Stress and corresponding deformations in the thin cylindrical Shells?

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



*D. B. Bhatnagar*

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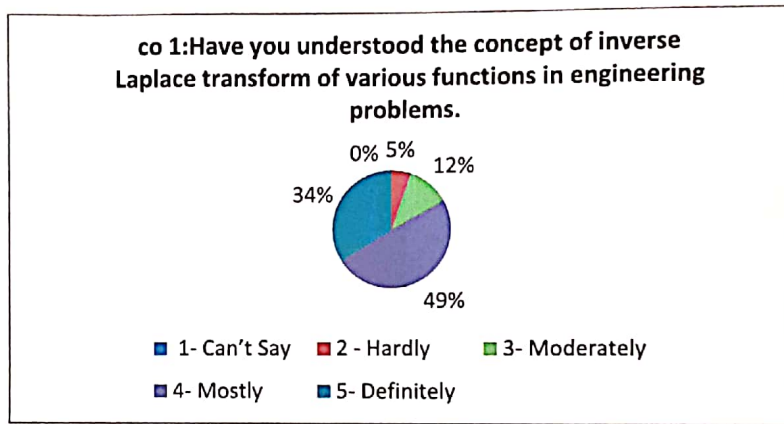
**Academic Year: 2020-21**

**Course Exit Analysis Report (SEM III)**

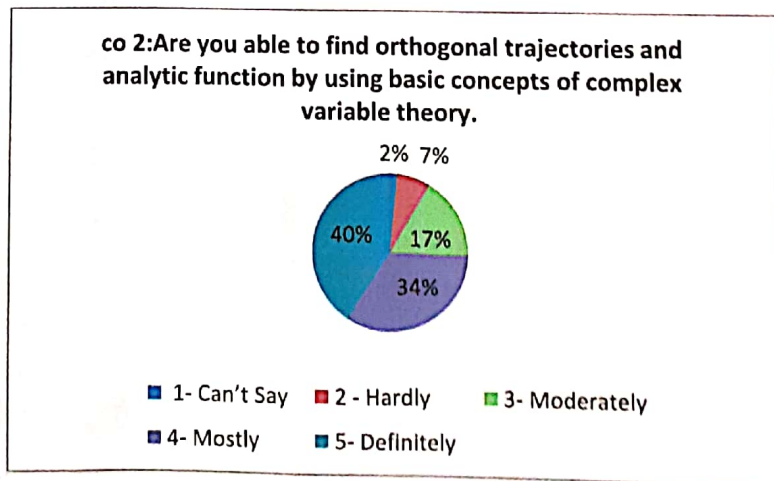
**Subject – Engineering Mathematics III**

**Subject Teacher - Prof. Shirish Kulkarni**

Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	3	5.1
3- Moderately	7	11.9
4- Mostly	29	49.2
5- Definitely	20	33.9
Total	59	100



Score	No. of Students	Percentage (%)
1- Can't Say	1	1.4
2 - Hardly	4	2.7
3- Moderately	10	17.8
4- Mostly	20	52.1
5- Definitely	24	26
Total	59	100





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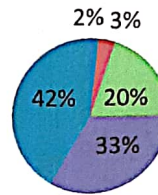
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Score	No. of Students	Percentage (%)
1- Can't Say	1	1.4
2 - Hardly	2	3.4
3- Moderately	12	33.1
4- Mostly	20	39.7
5- Definitely	25	42.4
Total	59	100

**co3:Are you able to solve Partial differential equations by applying numerical solution and analytical methods**

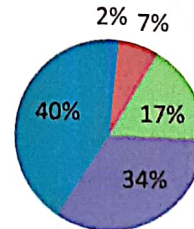
**for one dimensional heat and wave equations.**



■ 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	10	16.9
4- Mostly	20	33.9
5- Definitely	24	40.7
Total	59	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

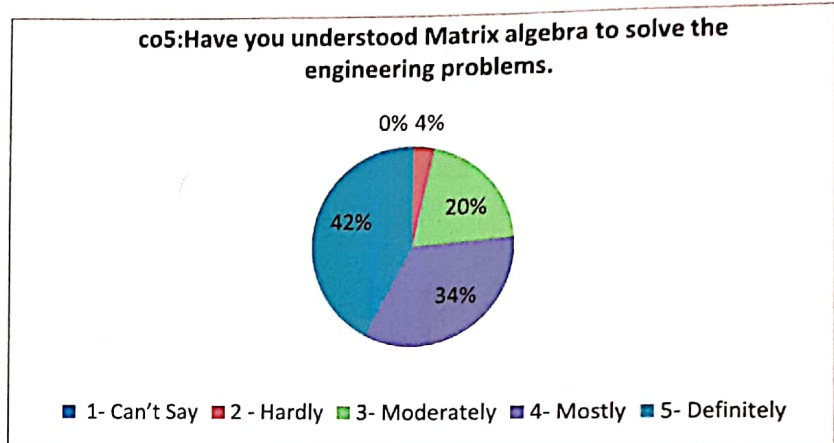


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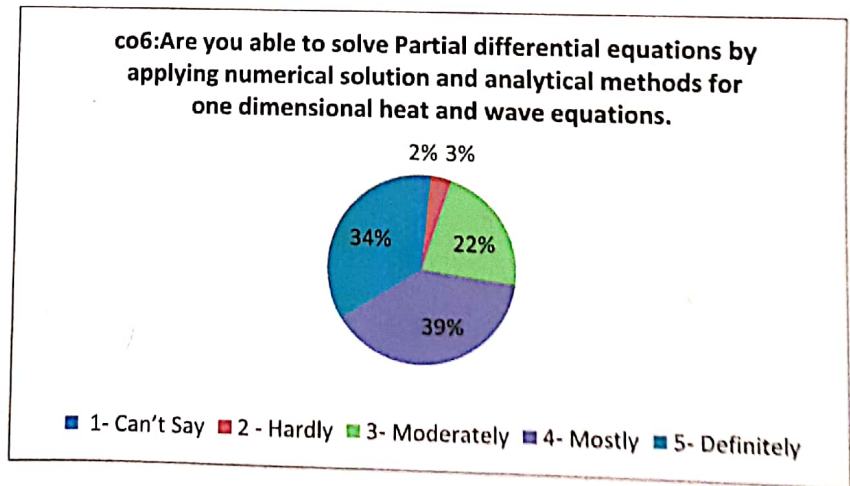
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Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	2	3.4
3- Moderately	12	20.3
4- Mostly	20	33.9
5- Definitely	25	42.4
Total	73	100



Score	No. of Students	Percentage (%)
1- Can't Say	1	1.4
2 - Hardly	2	3.4
3- Moderately	13	22
4- Mostly	23	39
5- Definitely	20	33.9
Total	73	100



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**Action Taken Report on Student's Feedback**

**Department: Mechanical Engineering**

**Academic Year - 2020-21 (ODD)**

**Shift I/II**

**Summary of Feedback:**

- Provide ppts on specific content
- Provide GATE basis questions
- Most of the students were satisfied with course content

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. Sunil Jankar	PPTs for learning about Gas Power cycles should be included in the topic.	PPTs are shared with students for better understanding. <u>TD Module 5 Gas Power Cycles.pdf</u>
2	PP	Prof. Sagar Kadu	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.	Shared Videos of actual process.explanation with industrial approach. <u>Casting Metal: the Basics Intro to Oxy-Acetylene Welding</u>
3	MT	Prof.Nilesh Chanewar	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 <u>Case study Wave energy extraction impulse turbine blade.pdf</u> <u>IB-CREEP Series - Creep Testing Machine Fatigue Test</u>
4	AM III	Prof. Shirish Kulkarni	Syllabus contents are very good which will suitable for future learning	NPTEL Videos for some topics were provided. <u>mod01lec01 - Introduction and Motivation for Laplace transforms - Part 1</u>

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**Action Taken Report on Student's Feedback**

**Department: Mechanical Engineering**

**Academic Year - 2020-21 (ODD)**

**Shift I/II**

				<a href="#">mod01lec02 - Introduction and Motivation for Laplace transforms - Part 2</a>
5	SOM	Prof. Sandeep J.	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. <a href="https://youtube.com/playlist?list=PLbP4qbTd-5UfbzcWgO3EY-GeLs5Feg95V">https://youtube.com/playlist?list=PLbP4qbTd-5UfbzcWgO3EY-GeLs5Feg95V</a>

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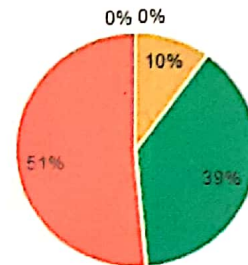
**Course Exit Analysis Report (Sem IV)**

**Subject: Fluid Mechanics**

Subject In-charge: Prof. Sunil Jankar

Score	No of Student	Percentage
1- Can't Say	0	0
2 - Hardly	0	0
3- Moderately	7	10
4- Mostly	27	39
5- Definitely	36	51
<b>Total</b>	<b>70</b>	<b>100</b>

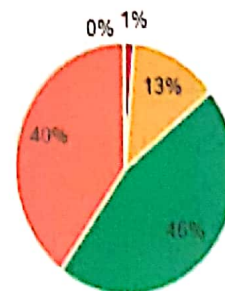
CO1. Have you understood the physical properties of fluids and classification of fluids ?



■ 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	1
3- Moderately	9	13
4- Mostly	32	46
5- Definitely	28	40
<b>Total</b>	<b>70</b>	<b>100</b>

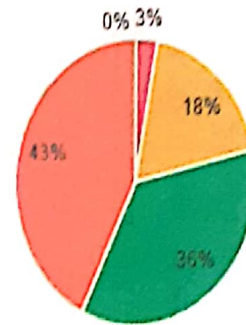
CO2. are you able to solve the numerical on Velocity and acceleration of fluid ? also the concept of velocity potential function and stream function.



■ 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	2	3
3- Moderately	13	19
4- Mostly	25	36
5- Definitely	30	43
Total	70	100

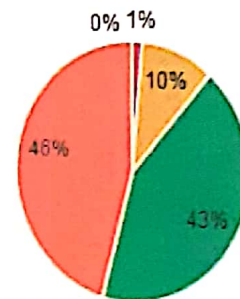
CO3. are you able to understand Euler equation of motion and Bernoulli equation of motion ?



■ 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	1
3- Moderately	7	10
4- Mostly	30	43
5- Definitely	32	46
Total	70	100

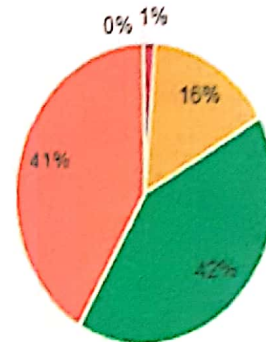
CO4. are you able to understand the application of Bernoulli's equation to flow measuring device like Venturimeter, Orifice Meter and Pitot tube ?



■ 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	1
3- Moderately	11	16
4- Mostly	29	41
5- Definitely	29	41
Total	70	100

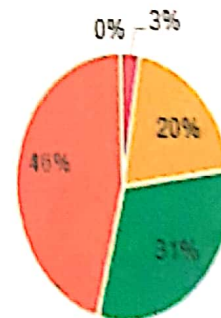
CO5. are you able to understand the concept of Major losses and Minor losses in pipes ?



■ 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	2	3
3- Moderately	14	20
4- Mostly	22	31
5- Definitely	32	46
Total	70	100

CO6. are you able to understand basic concept of Boundary layer formation and able to solve numerical on Boundary layer thickness like Displacement thickness, Momentum



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



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**Department of Mechanical Engineering**

**Academic Year: 2020-21**

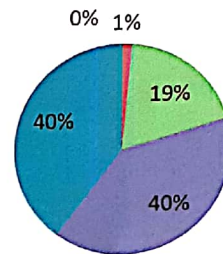
**Course Exit Analysis Report (SEM IV)**

**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	14	19.2
4- Mostly	29	39.7
5- Definitely	29	39.7
Total	73	100

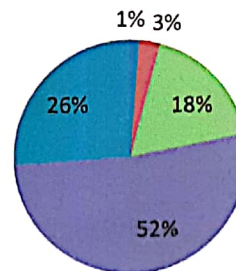
**CO1: Have you understood concept of Vector calculus to evaluate line integrals, surface integrals using Green's theorem, Stoke's theorem & Gauss Divergence theorem**



■ 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	13	17.8
4- Mostly	38	52.1
5- Definitely	19	26
Total	73	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



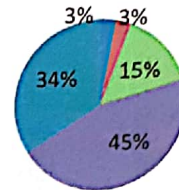
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Score	No. of Students	Percentage (%)
1- Can't Say	2	2.7
2 - Hardly	2	2.7
3- Moderately	11	15.1
4- Mostly	33	45.2
5- Definitely	25	34.2
Total	73	100

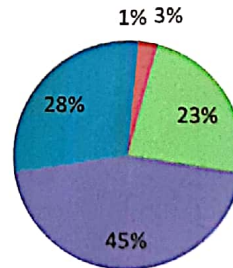
**CO 5: Have you understood the concept of probability distribution to engineering problems & testing hypothesis of small samples using sampling theory**



■ 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	17	23.3
4- Mostly	33	45.2
5- Definitely	20	27.4
Total	73	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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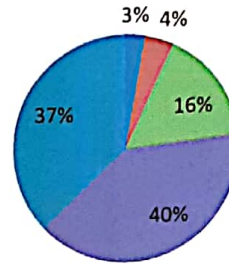
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Score	No. of Students	Percentage (%)
1- Can't Say	2	2.7
2 - Hardly	3	4.1
3- Moderately	12	16.4
4- Mostly	29	39.7
5- Definitely	27	37
Total	73	100

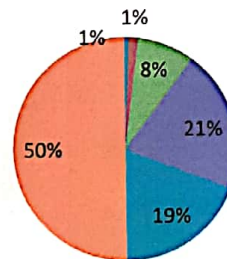
CO3: Are you able to the concept of Correlation, Regression and curve fitting to the engineering problems in data science.



■ 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	12	16.4
4- Mostly	30	41.1
5- Definitely	28	38.4
Total	73	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



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**Action Taken Report**

**Department: Mechanical Engineering**

**Summary of Feedback:**

- Provide GATE based questions.
- Provide application based content
- Provide practical knowledge

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. Pramod D	Students are expecting the GATE based Questions to be included in the syllabus. More Numericals are Required to be solved	Extra Lectures were conducted to solve more Numerical <a href="https://drive.google.com/file/d/1J0T8bqHIYDXfj2tBvGV6baNA8e7hP6IB/view?usp=sharing">https://drive.google.com/file/d/1J0T8bqHIYDXfj2tBvGV6baNA8e7hP6IB/view?usp=sharing</a>
2	FM	Prof. Sunil Jankar	videos based on content in the syllabus need to be shown.	Self made Videos on various topics shared with the students <a href="https://youtu.be/imM0A75Gseg">https://youtu.be/imM0A75Gseg</a> <a href="https://youtu.be/V_3cBRzMt_4">https://youtu.be/V_3cBRzMt_4</a>
3	EM IV	Prof. Shirish Kulkarni	Application based video should be provided	NPTEL video link on some topics shared with the students  Title: Complex analysis <a href="https://youtu.be/vV_v6zxADgY">https://youtu.be/vV_v6zxADgY</a> <a href="https://youtu.be/vq2oaeQbXmQ">https://youtu.be/vq2oaeQbXmQ</a>  Title: Vector Calculus <a href="https://youtu.be/v3ZC4Mo1fS0">https://youtu.be/v3ZC4Mo1fS0</a> <a href="https://youtu.be/veuCHNkaC4">https://youtu.be/veuCHNkaC4</a>

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4	TD	Prof. Nidhi Singh	Animated videos based on content in the syllabus need to be included	Animated and industry videos shown to students <a href="https://youtube.com/playlist?list=PLbMVogVj5nJTZJHsH6uLCO00I-ffGyBEm">https://youtube.com/playlist?list=PLbMVogVj5nJTZJHsH6uLCO00I-ffGyBEm</a>
5	CAD CAM	Prof. Prasanna Raut	More practical example should be provided	Shown case study to students <a href="https://youtube.com/playlist?list=PLFW6IRTa1g808_CfYhZKdv2eXplAQiAwS">https://youtube.com/playlist?list=PLFW6IRTa1g808_CfYhZKdv2eXplAQiAwS</a>  <a href="https://drive.google.com/file/d/1DZHFtHMzLZFOnmEyM03I162X3ufIBxL/view?usp=sharing">https://drive.google.com/file/d/1DZHFtHMzLZFOnmEyM03I162X3ufIBxL/view?usp=sharing</a>

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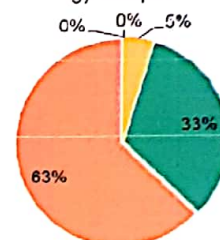
Semester – V

Subject – DOM

Subject Teacher –Prof. Prasanna Raut

Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	0	0
3- Moderately	2	5
4- Mostly	14	33
5- Definitely	27	63
Total	43	100

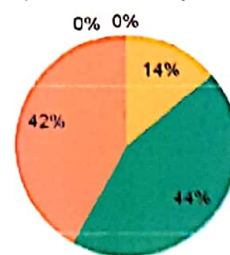
CO 1. Do you understand Basic concept of governor and gyroscope?



■ 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	6	14
4- Mostly	19	44
5- Definitely	18	42
Total	43	100

CO 2. Do you understand the basic concept of Static and dynamic force analysis.?



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

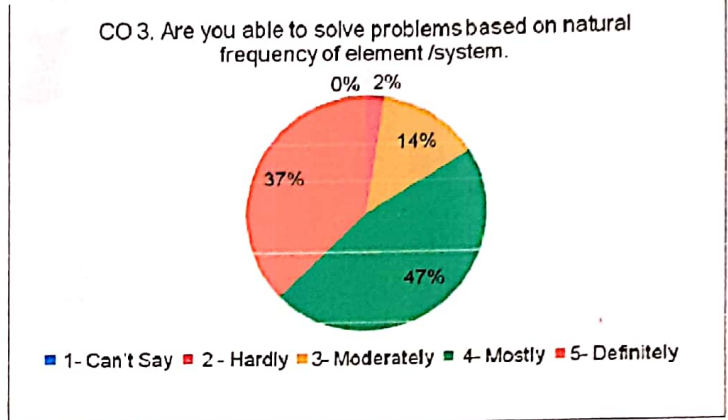


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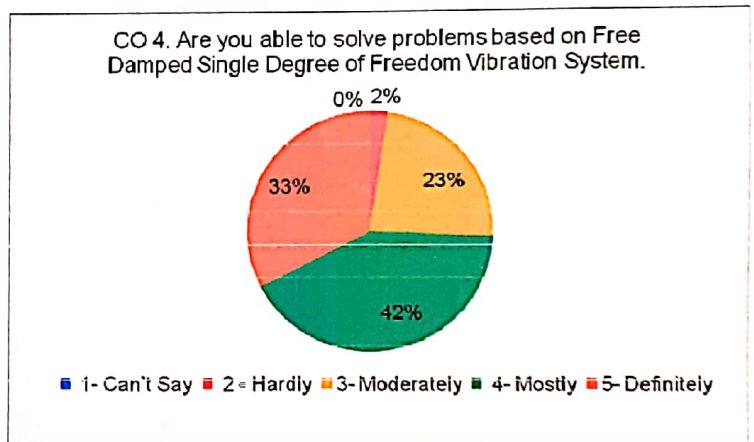
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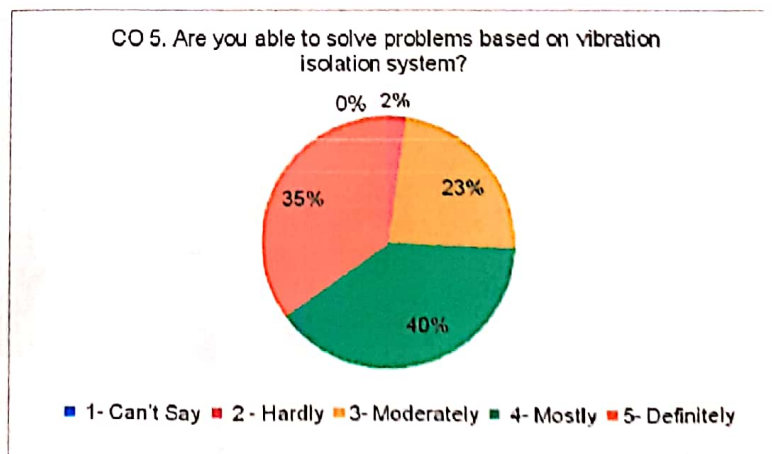
Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	1	2
3- Moderately	6	14
4- Mostly	20	47
5- Definitely	16	37
Total	43	100



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



Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	1	2
3- Moderately	10	23
4- Mostly	17	40
5- Definitely	15	35
Total	43	100



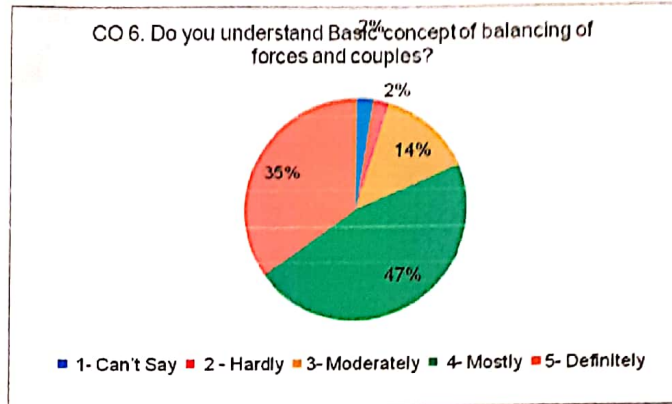


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Score	No. of Students	Percentage (%)
1- Can't Say	1	2
2 - Hardly	1	2
3- Moderately	6	14
4- Mostly	20	47
5- Definitely	15	35
Total	43	100



*H. O. D.* Baniskar

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**Department of Mechanical Engineering**

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

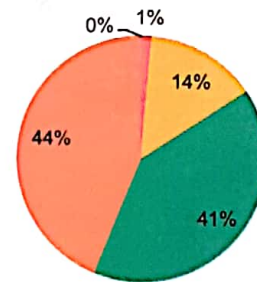
**Academic Year: - 2020-2021 Semester:-V**

**Subject: - Dynamics of machinery**

**Subject In charge: -Prof.Pramod Deshmukh**

Score	No of Students	Percentage
1-Can't Say	0	0%
2-Hardly	2	1%
3-Moderately	22	14%
4-Mostly	62	41%
5-Definitely	67	44%
TOTAL	153	

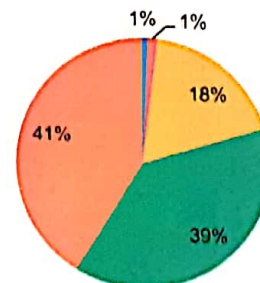
CO:-1 Do you understand Basic concept of governor and gyroscope.



■ 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	1%
3-Moderately	28	18%
4-Mostly	59	39%
5-Definitely	63	41%
TOTAL	153	

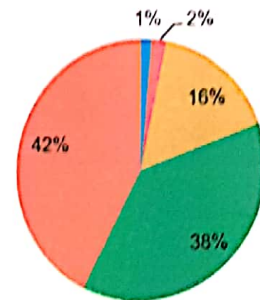
CO2:-Do you understand the basic concept of Static and dynamic force analysis.



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

Score	No of Students	Percentage
1-Can't Say	2	1%
2-Hardly	3	2%
3-Moderately	25	16%
4-Mostly	58	38%
5-Definitely	65	42%
TOTAL	153	

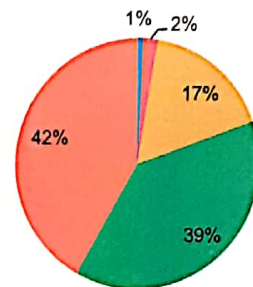
CO3:-Are you able to solve problems based on natural frequency of element /system.



■ 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	3	2%
3-Moderately	26	17%
4-Mostly	59	39%
5-Definitely	64	42%
TOTAL	153	

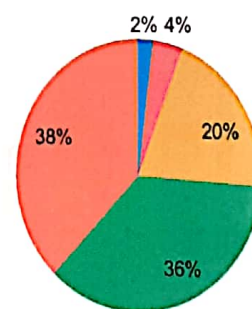
CO4:-Are you able to solve problems based on Free Damped Single Degree of Freedom Vibration System.



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

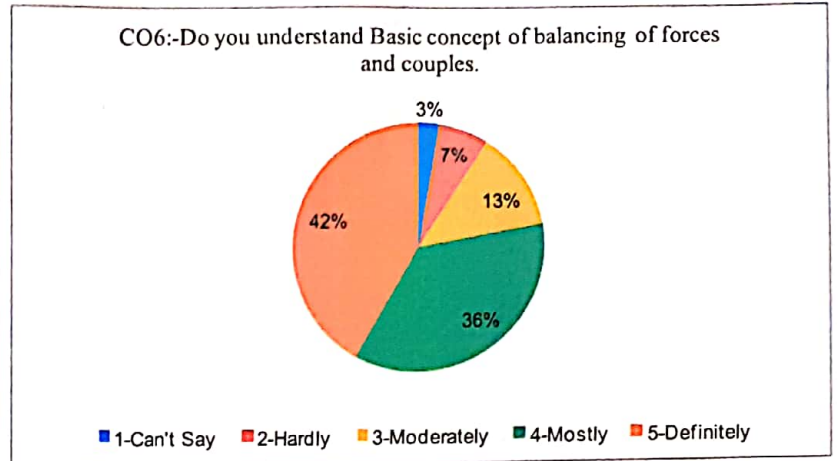
Score	No of Students	Percentage
1-Can't Say	3	2%
2-Hardly	6	4%
3-Moderately	31	20%
4-Mostly	55	36%
5-Definitely	58	38%
TOTAL	153	

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



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

Score	No of Students	Percentage
1-Can't Say	4	3%
2-Hardly	10	7%
3-Moderately	20	13%
4-Mostly	55	36%
5-Definitely	64	42%
TOTAL	153	



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**Action Taken Report on Student's Feedback**

**Department: Mechanical Engineering**

**Academic Year - 2020-21 (ODD)**

**Shift I/II**

**Summary of Feedback:**

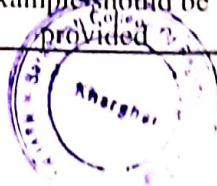
- More practical knowledge should be provided
- More emphasis should be given to design procedure.

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	DOM	Prof.Prasanna Raut/Prof. Pramod D	Syllabus Content is vast and time available is less to complete the syllabus. More practical example should be provided	Shown case study to students <a href="#">Vibration-Analysis-Of-Rotating-Machines-With-Case-Studies.pdf</a> Extra lecture were conducted <a href="#">DOM extra lecture attendance.pdf</a>
2	HT	Dr. Madan Jagtap/Prof.Pramod Mourya	The time available for heat exchangers is less Heat transfer subject should be given more emphasis on design of heat exchangers	Heat exchangers design discussed in details <a href="#">Heat Exchanger Example - Design</a> The topic is explained through animated videos <a href="#">Shell And Tube Heat Exchanger Animation</a> <a href="#">How Shell and Tube Heat Exchangers Work (Engineering)</a>
3	MMC	Prof. Nalini Deepthi	Practical applications on measurement systems should be provided.	Shared videos with students to get the practical knowledge <a href="#">pressure measurement using resistive strain gauge</a>
4	ICE	Prof. Sunil Sopnur/Prof. Sunil Jankar	Students are expecting a portion on electrical vehicle systems in the syllabus.	Shown case study on electrical vehicle system <a href="#">Case study on electric vehicle.pdf</a>
5	MSTD	Prof. Vishal Bhagat/Prof.Mugdha Dongre	More practical example should be provided	Provided NPTEL notes



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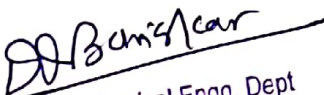
**Action Taken Report on Student's Feedback**

**Department: Mechanical Engineering**

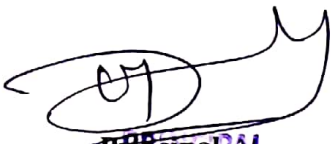
**Academic Year - 2020-21 (ODD)**

**Shift I/II**

				<p><u>NPTEL NOTES cutting force measurement Dynamometer s.pdf</u> For some topic videos shown to students <u>Cutting Curves with a Form Tool</u></p>
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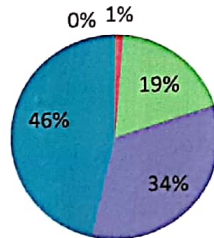
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Department of Mechanical Engineering  
 Academic Year: 2020-21  
 Semester – VI  
 Subject – RAC  
 Subject Teacher – Dr. Madan Jagtap

Score	Number of students	Percentage
1-Can't say	1	1
2-Hardly	0	0
3- Moderately	15	19
4- Mostly	27	34
5- Definitely	37	46
Total	80	100

**CO1 Are you able to demonstrate fundamental principles of refrigeration and air conditioning**

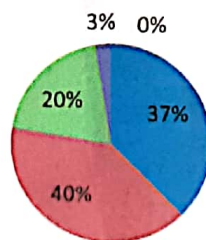
■ Hardly ■ can't say ■ Moderately ■ Mostly ■ Definitely



Score	Number of students	Percentage
1-Can't say	0	0
2-Hardly	2	3
3- Moderately	16	20
4- Mostly	32	37
5- Definitely	30	40
Total	80	100

**CO2 Can you identify and locate various important components of the refrigeration and air conditioning system**

■ Definitely ■ Mostly ■ Moderately ■ Hardly ■ can't say





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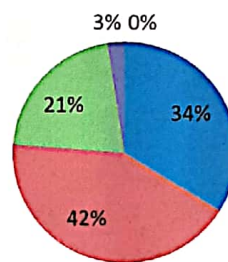
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Score	Number of students	Percentage
1-Can't say	0	0
2-Hardly	2	3
3- Moderately	17	21
4- Mostly	34	42
5- Definitely	27	34
Total	80	100

**CO3 Are you able to illustrate various refrigeration and air conditioning processes using psychometric chart**

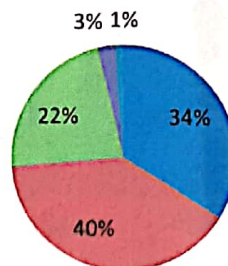
■ Definitely ■ Mostly ■ Moderately ■ Hardly ■ can't say



Score	Number of students	Percentage
1-Can't say	0	0
2-Hardly	2	3
3- Moderately	17	21
4- Mostly	34	42
5- Definitely	27	34
Total	80	100

**CO4 Are you able to design Air Conditioning system using cooling load calculations.**

■ Definitely ■ Mostly ■ Moderately ■ Hardly ■ can't say



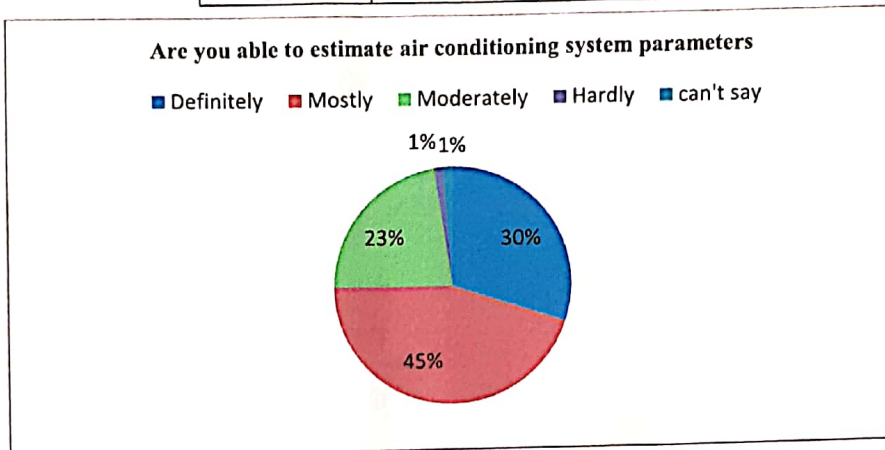


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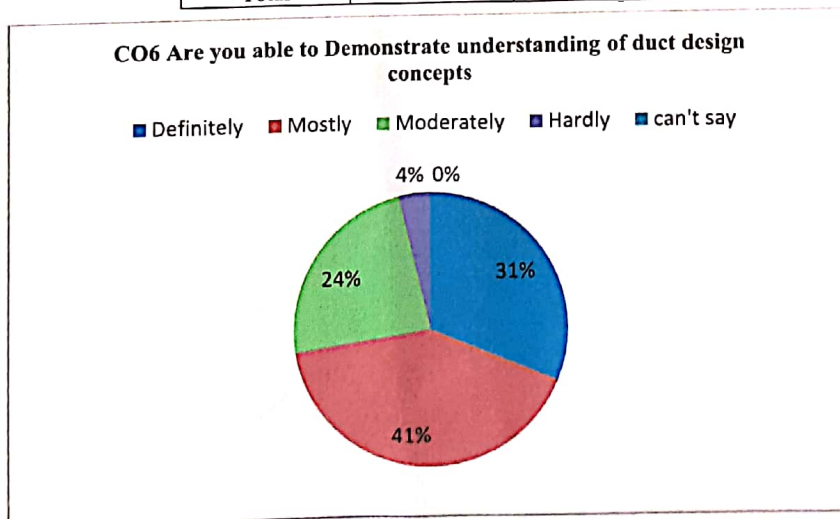
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Score	Number of students	Percentage
1-Can't say	1	1
2-Hardly	1	1
3- Moderately	18	23
4- Mostly	36	45
5- Definitely	23	30
Total	80	100



Score	Number of students	Percentage
1-Can't say	0	0
2-Hardly	3	4
3- Moderately	19	24
4- Mostly	33	41
5- Definitely	25	31
Total	80	100



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**Department of Mechanical Engineering**

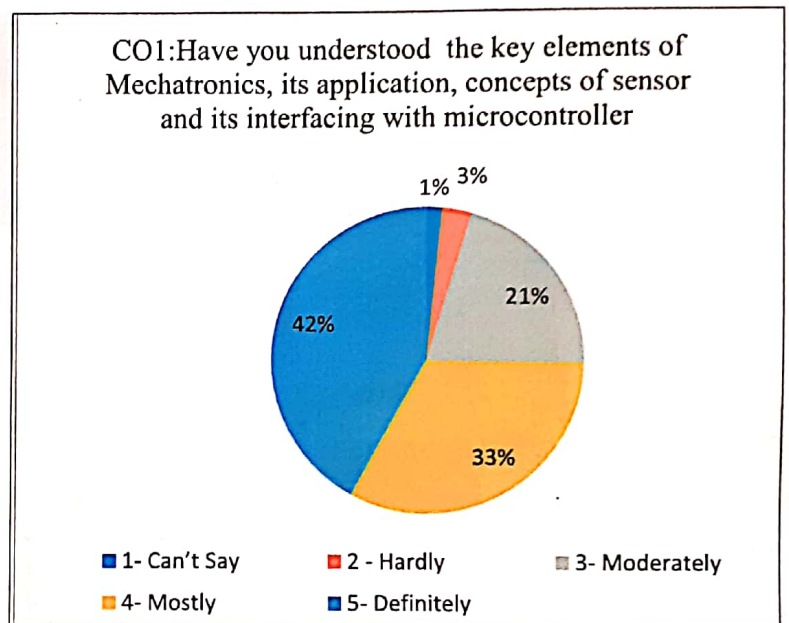
Academic Year: 2020-2021 (EVEN SEM)

**Course Exit Analysis Report (Sem VI)**

**Subject: Mechatronics**

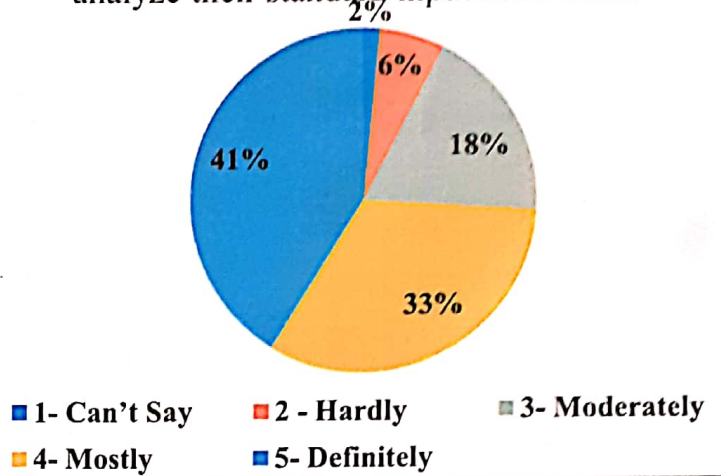
Subject In-charge: Prof.Madhukar B.Sorte

Score	No. of Students	Percentage (%)
1- Can't Say	2	1
2 - Hardly	4	3
3- Moderately	27	21
4- Mostly	43	33
5- Definitely	55	42
Total	131	100



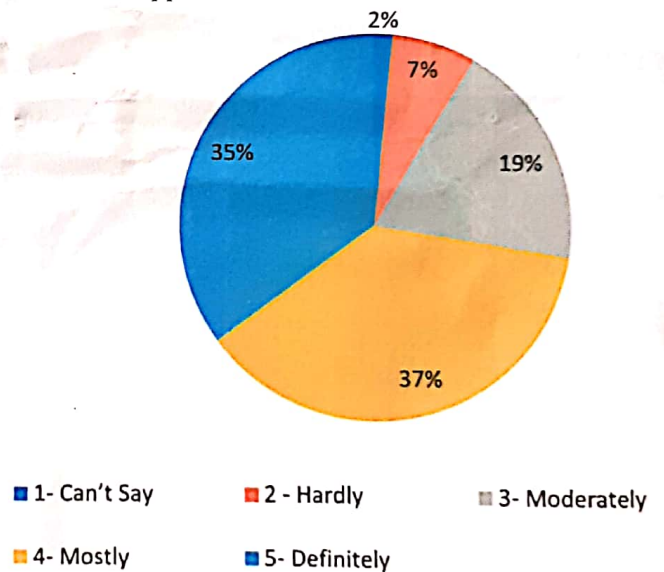
Score	No. of Students	Percentage (%)
1- Can't Say	2	2
2 - Hardly	8	6
3- Moderately	24	18
4- Mostly	43	33
5- Definitely	54	41
Total	131	100

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

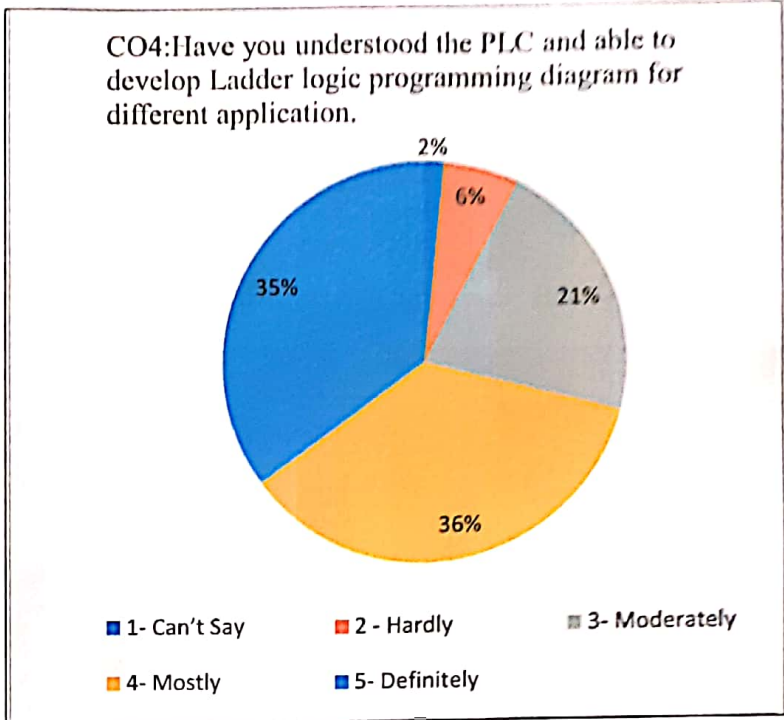


Score	No. of Students	Percentage (%)
1- Can't Say	2	2
2 - Hardly	9	7
3- Moderately	25	19
4- Mostly	49	37
5- Definitely	46	35
Total	131	100

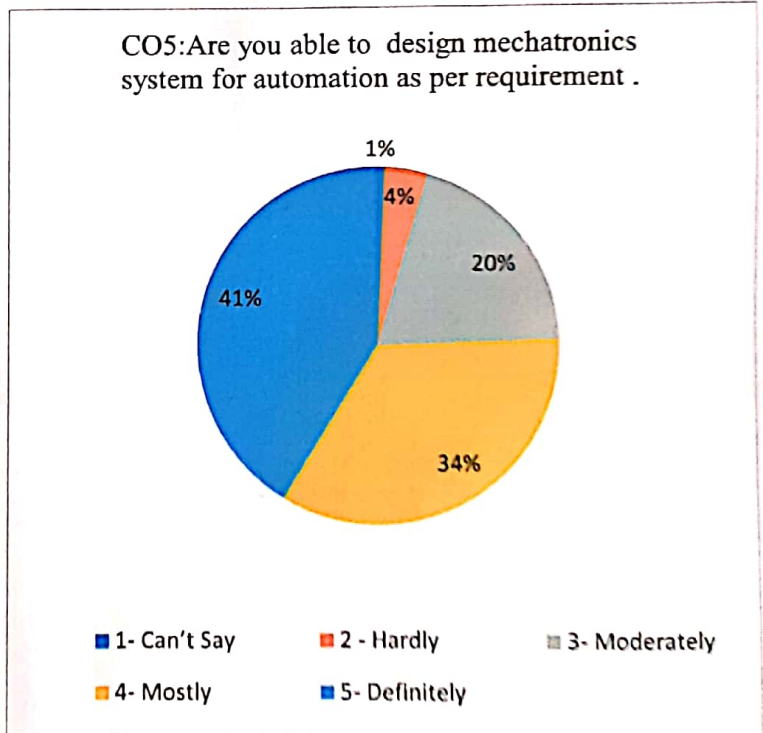
CO3: Have you understood different actuating and directional control valves and able to design and analyze hydraulic and pneumatic circuits for industrial application



Score	No. of Students	Percentage (%)
1-Can't say	2	2
2 - Hardly	8	6
3- Moderately	28	21
4- Mostly	47	36
5- Definitely	46	35
Total	131	100



Score	No. of Students	Percentage (%)
1- Can't Say	1	1
2 - Hardly	5	4
3- Moderately	26	20
4- Mostly	45	34
5- Definitely	54	41





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**Action Taken on Students Feedback Report**

**Department: Mechanical Engineering**

**Shift II**

**Summary of Feedback:**

- Provide animated videos
- Elaborate designs in detail
- Provide practical knowledge

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.Mugdha D	More practical example should be provided Provide animated explanation	Animated videos were shown <a href="https://www.youtube.com/watch?v=H0RwP6PB58Q">https://www.youtube.com/watch?v=H0RwP6PB58Q</a>
2	RAC	Dr. Madan Jagtap/ Prof. Nidhi Singh	Duct design numericals and head load calculations should be explained	Videos were explained and given to the students <a href="https://www.youtube.com/watch?v=5y_VBiTiuAY">https://www.youtube.com/watch?v=5y_VBiTiuAY</a> Heat load calculations <a href="https://www.youtube.com/watch?v=Dj8ATzgrxyA">https://www.youtube.com/watch?v=Dj8ATzgrxyA</a> Standard heat load calculations provided <a href="https://drive.google.com/drive/u/0/folders/1010hDsfakCJbSB3fALsik8BjdV7zXe5Y">https://drive.google.com/drive/u/0/folders/1010hDsfakCJbSB3fALsik8BjdV7zXe5Y</a>
3	MQE	Prof. Nilesh Chanewar	Industrial practices / practical knowledge should be provided Maximum students were satisfied with course content	Shared Videos of actual measurements, Shown case study, explanation with industrial approach. Case Study <a href="https://www.qualitymag.com/articles/87175-case-study">https://www.qualitymag.com/articles/87175-case-study</a>

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				<a href="https://www.youtube.com/watch?v=96zw6HiLLN8">-self-serve-metrology-keeps-quality-operations-lean</a> <a href="https://www.youtube.com/watch?v=96zw6HiLLN8">https://www.youtube.com/watch?v=96zw6HiLLN8</a> <a href="https://www.youtube.com/watch?v=tqcOUmV4kOM">https://www.youtube.com/watch?v=tqcOUmV4kOM</a>
4	FEA	Prof. Amol Bhagat	More practical example should be provided	Provided notes And Shown case study to students <a href="https://drive.google.com/file/d/120ZLCntVq6dE6VIOirSoKMXOzS3BAEhl/view?usp=sharing">https://drive.google.com/file/d/120ZLCntVq6dE6VIOirSoKMXOzS3BAEhl/view?usp=sharing</a> <a href="https://youtu.be/EJbf5Tp57g4">https://youtu.be/EJbf5Tp57g4</a>
5	MXTC	Prof. M.B.Sorte/Prof. Sneha Burnase	Need more hands on experience for Module 4 and module 6.Syllabus is vast	Minor projects allotted to the students based on the topic. Application videos of the same topic provided for more exposure.Some topic covered using PPT and video lectures. <a href="https://drive.google.com/file/d/1unaoL3iqqAMtlso09zg4GGfHVt371lr8/view?usp=sharing">https://drive.google.com/file/d/1unaoL3iqqAMtlso09zg4GGfHVt371lr8/view?usp=sharing</a>

*D. B. Banistkar*

HOD

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*[Signature]*

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[ *Jeevan Jyoti Ashraya and Contributions* ]  
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Department of Mechanical Engineering

Academic Year: 2020-2021(ODD SEM)

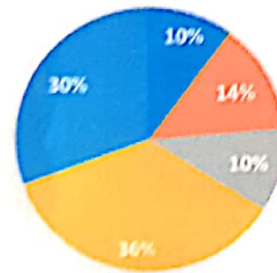
**Course Exit Analysis Report (Sem VII)**

**Subject: Automobile Engineering**

Subject In-charge: Prof. Nalini Deepthi

Score	No. of Students	Percentage (%)
1- Can't Say	4	7
2 - Hardly	5	8
3- Moderately	10	17
4- Mostly	20	34
5- Definitely	20	34
Total	59	100

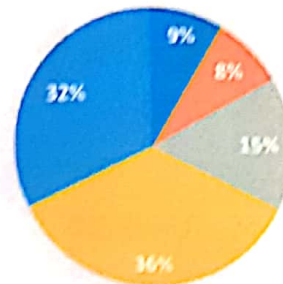
CO1. Are you able to understand the types and working of clutches and transmission system



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

Score	No. of Students	Percentage (%)
1- Can't Say	5	8
2 - Hardly	5	8
3- Moderately	9	15
4- Mostly	21	36
5- Definitely	19	32
Total	59	100

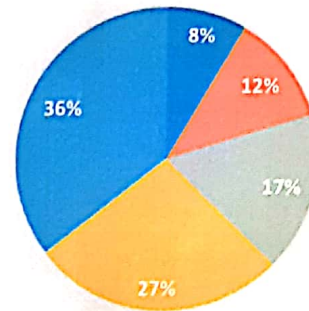
CO2. Are you able to demonstrate the working of different types of final drive, braking and gear system.



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

Score	No. of Students	Percentage (%)
1- Can't Say	5	8
2 - Hardly	7	12
3- Moderately	10	17
4- Mostly	16	27
5- Definitely	21	36
Total	59	100

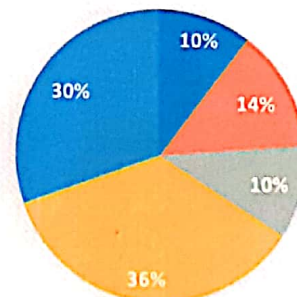
**CO3. Are you able to understand the constructional features of wheels, tyres and suspension system.**



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

Score	No. of Students	Percentage (%)
1- Can't Say	4	7
2 - Hardly	7	12
3- Moderately	11	19
4- Mostly	21	36
5- Definitely	16	27
Total	59	100

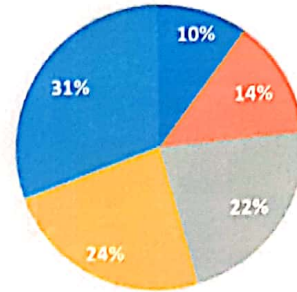
**CO4. Are you able to understand the types of storage, charging and starting system.**



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

Score	No. of Students	Percentage (%)
1- Can't Say	6	10
2 - Hardly	8	14
3- Moderately	13	22
4- Mostly	14	24
5- Definitely	18	31
Total	59	100

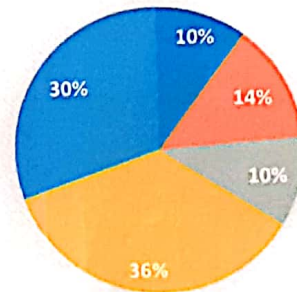
**CO5. Are you able to identify the types of body and chassis of automobile.**



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

Score	No. of Students	Percentage (%)
1- Can't Say	6	10
2 - Hardly	8	14
3- Moderately	6	10
4- Mostly	21	36
5- Definitely	18	31
Total	59	100

**CO6. Are you able to understand the different terminological advances in automobile.**



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

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**Department of Mechanical Engineering**

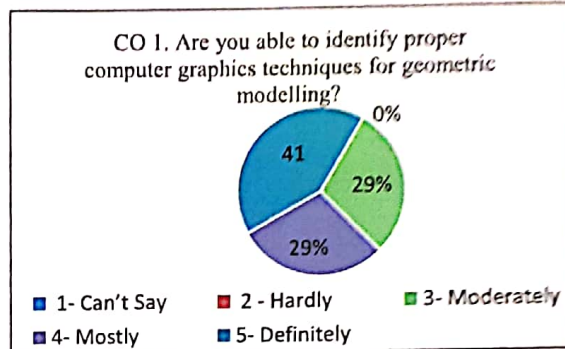
**Academic Year: 2020-21**

Course Exit Analysis Report (Sem VII)

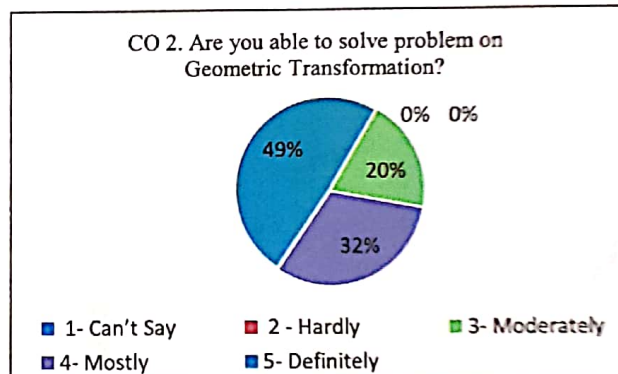
**Subject – CAD/CAM/CAE**

**Subject Teacher –Prof. Amol Bhagat**

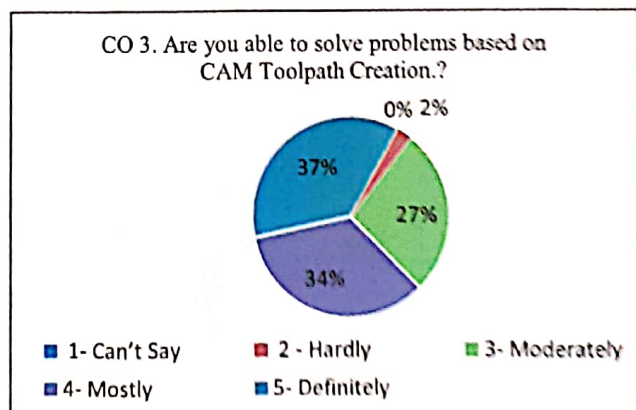
Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	0	0
3- Moderately	12	29
4- Mostly	12	29
5- Definitely	17	41
Total	41	100



Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	0	0
3- Moderately	8	20
4- Mostly	13	32
5- Definitely	20	49
Total	41	100



Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	1	2
3- Moderately	11	27
4- Mostly	14	34
5- Definitely	15	37
Total	41	100



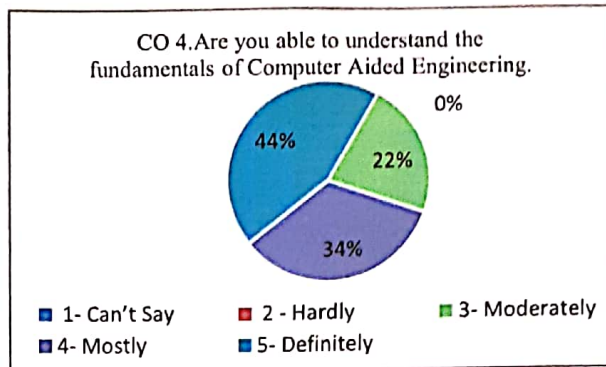


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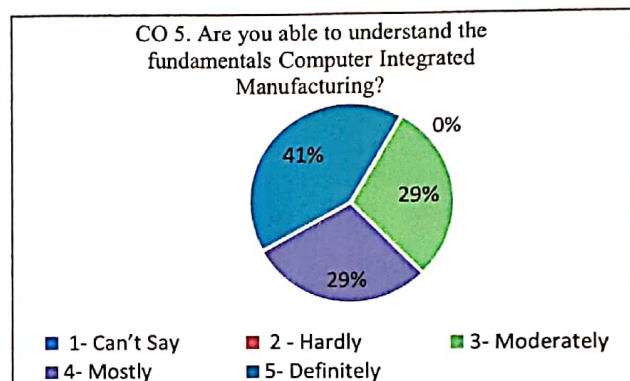
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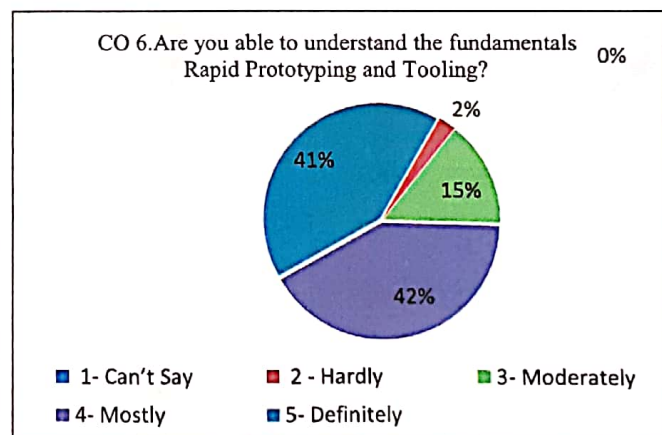
Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	0	0
3- Moderately	9	22
4- Mostly	14	34
5- Definitely	18	44
Total	41	100



Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	0	0
3- Moderately	12	29
4- Mostly	12	29
5- Definitely	17	41
Total	41	100



Score	No. of Students	Percentage (%)
1- Can't Say	0	0
2 - Hardly	1	2
3- Moderately	6	15
4- Mostly	17	41
5- Definitely	17	41
1- Can't Say	0	0



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**Action Taken Report on Student's Feedback**

**Department: Mechanical Engineering**

**Academic Year - 2020-21 (ODD)**

**Shift I/II**

**Summary of Feedback:**

- Provide case studies
- Provide practical examples.

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	MD II	Prof.D.Baviskar/Prof. Sreejith S.	Time given to complete the syllabus is not sufficient.	Extra lectures were taken, shared video with students to get the practical knowledge <u>How Do Cam and Follower Mechanisms Work?</u> <u>MDII Extra Lect Attend Baviskar.pdf</u> <u>MDII Extra Lect Attend Sreejith.pdf</u>
2	PPC	Prof. M.B.Sorte/ Prof. Pramod Mourya	Overall syllabus is very good and vast .Some topics need to be completed using the slides as it requires more time. Most of the students were satisfied with the content	Various topics, slides and presentations are available. <u>PREREQUISITES OF PPC.pptx</u> <u>PPC FRAMEWORK (1).pptx</u> Students encouraged to do internship and NPTEL courses. <a href="https://nptel.ac.in/courses/112102106">https://nptel.ac.in/courses/112102106</a> <a href="https://nptel.ac.in/courses/112107292">https://nptel.ac.in/courses/112107292</a>

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**Action Taken Report on Student's Feedback**

**Department: Mechanical Engineering**

**Academic Year - 2020-21 (ODD)**

**Shift I/II**

3	CAD CAM CAE	Prof. Prasanna R. / Prof. Amol Bhagat	More practical example should be provided	Shown case study to students <a href="https://youtube.com/playlist?list=PLFW61RTa1g808_CfYhZKdv2eXp1AQiAwSCase%20study%20of%20cad%20cam.pdf">https://youtube.com/playlist?list=PLFW61RTa1g808_CfYhZKdv2eXp1AQiAwSCase study of cad cam.pdf</a>
4	AE	Prof. Vishal B / Prof. Nidhi Singh / Prof. Sagar Kadu	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 the market scenario <a href="https://drive.google.com/drive/folders/1cRluYiHW3i1YVgCLGv5Cr7EUBrNwok7?usp=sharing">https://drive.google.com/drive/folders/1cRluYiHW3i1YVgCLGv5Cr7EUBrNwok7?usp=sharing</a>
5	DMMM	Prof. Paramjit Thakur	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 <a href="https://ndma.gov.in/sites/default/files/PDF/cover/COVID-19-Indian-Experience.pdf">https://ndma.gov.in/sites/default/files/PDF/cover/COVID-19-Indian-Experience.pdf</a>

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**Department of Mechanical Engineering**

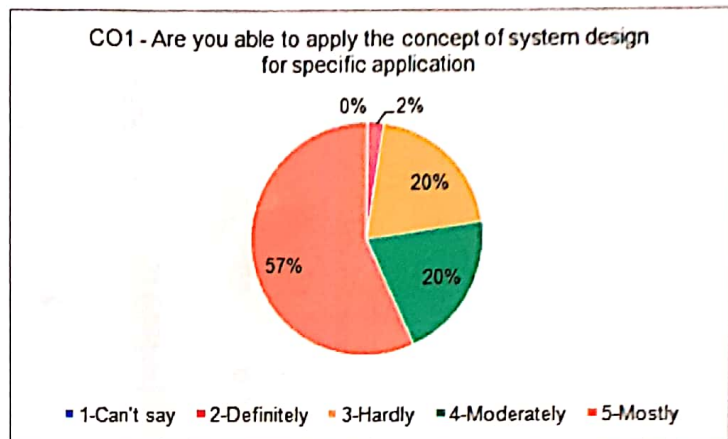
**Academic Year: 2020-21 (EVEN SEM)**

**Course Exit Analysis Report (Sem – VIII)**

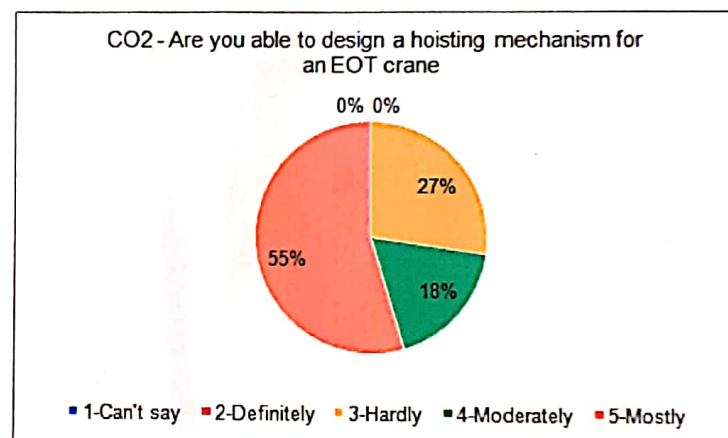
**Subject – Design of Mechanical Systems**

**Subject In-charge – Prof. D. Baviskar**

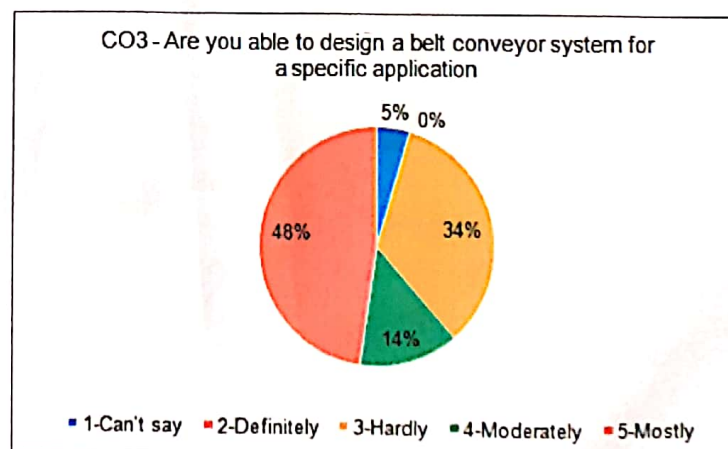
Score	No. of Students	Percentage
1-Can't say	0	0%
2-Definitely	1	2%
3-Hardly	9	20%
4-Moderately	9	20%
5-Mostly	25	57%
<b>Total</b>	<b>44</b>	<b>100</b>



Score	No. of Students	Percentage
1-Can't say	0	0%
2-Definitely	0	0%
3-Hardly	12	27%
4-Moderately	8	18%
5-Mostly	24	55%
<b>Total</b>	<b>44</b>	<b>100</b>



Score	No. of Students	Percentage
1-Can't say	2	5%
2-Definitely	0	0%
3-Hardly	15	34%
4-Moderately	6	14%
5-Mostly	21	48%
<b>Total</b>	<b>44</b>	<b>100</b>







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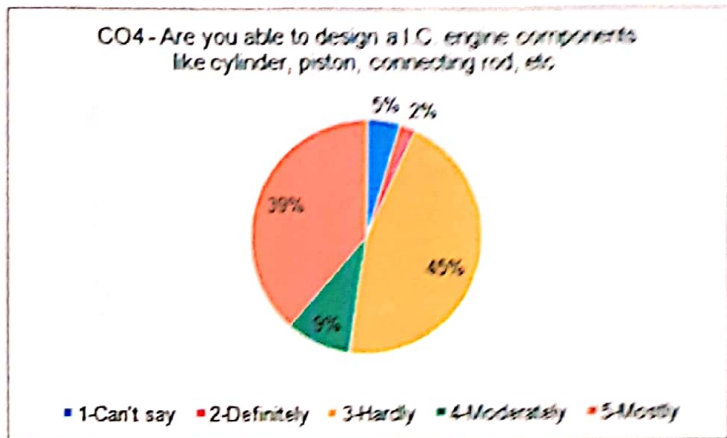
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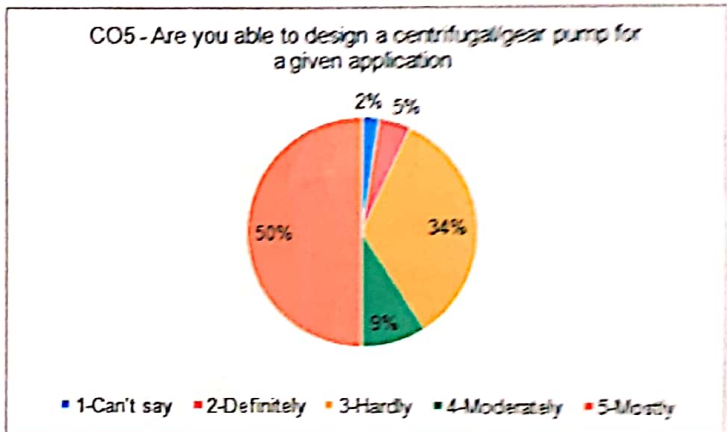
**Department of Mechanical Engineering**

**Academic Year: 2020-21 (EVEN SEM)**

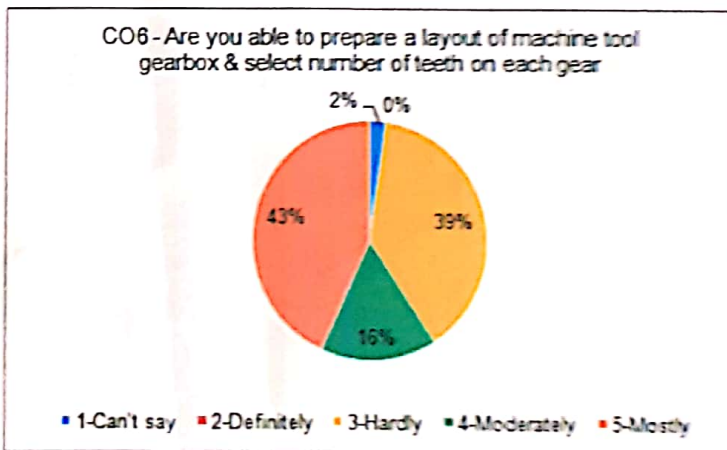
Score	No. of Students	Percentage
1-Can't say	2	5%
2-Definitely	1	2%
3-Hardly	20	45%
4-Moderately	4	9%
5-Mostly	17	39%
<b>Total</b>	<b>44</b>	<b>100</b>



Score	No. of Students	Percentage
1-Can't say	1	2%
2-Definitely	2	5%
3-Hardly	15	34%
4-Moderately	4	9%
5-Mostly	22	50%
<b>Total</b>	<b>44</b>	<b>100</b>



Score	No. of Students	Percentage
1-Can't say	1	2%
2-Definitely	0	0%
3-Hardly	17	39%
4-Moderately	7	16%
5-Mostly	19	43%
<b>Total</b>	<b>44</b>	<b>100</b>



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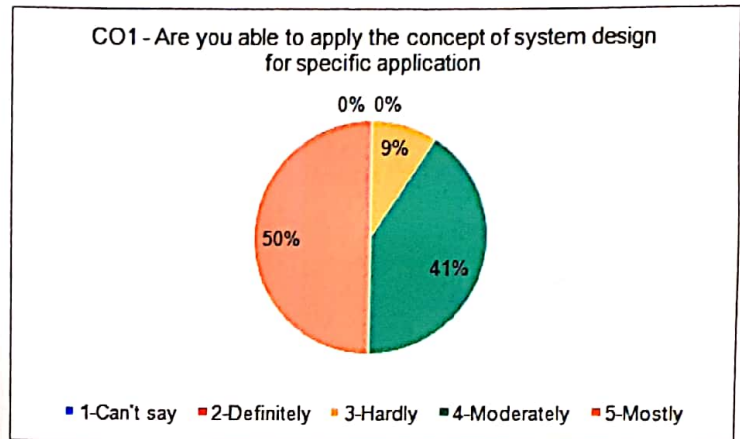
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**Course Exit Analysis Report (Sem – VIII)**

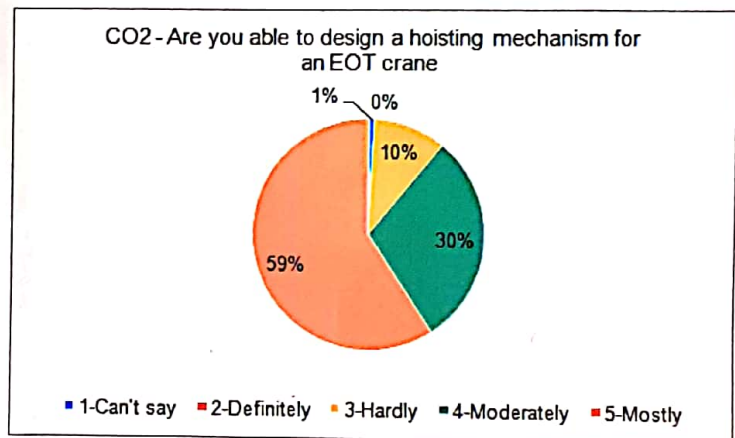
**Subject – Design of Mechanical Systems**

**Subject In-charge – Prof. Sreejith S.**

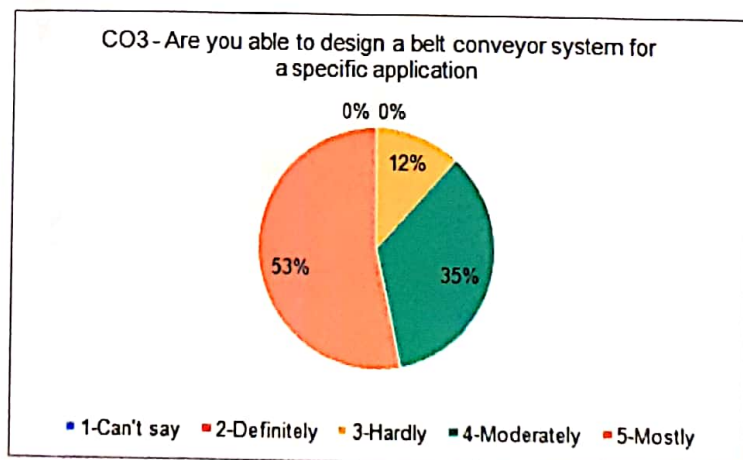
Score	No. of Students	Percentage
1-Can't say	0	0%
2-Definitely	0	0%
3-Hardly	11	9%
4-Moderately	49	41%
5-Mostly	60	50%
<b>Total</b>	<b>120</b>	<b>100</b>



Score	No. of Students	Percentage
1-Can't say	1	1%
2-Definitely	0	0%
3-Hardly	12	10%
4-Moderately	36	30%
5-Mostly	71	59%
<b>Total</b>	<b>120</b>	<b>100</b>



Score	No. of Students	Percentage
1-Can't say	0	0%
2-Definitely	0	0%
3-Hardly	14	12%
4-Moderately	42	35%
5-Mostly	64	53%
<b>Total</b>	<b>120</b>	<b>100</b>





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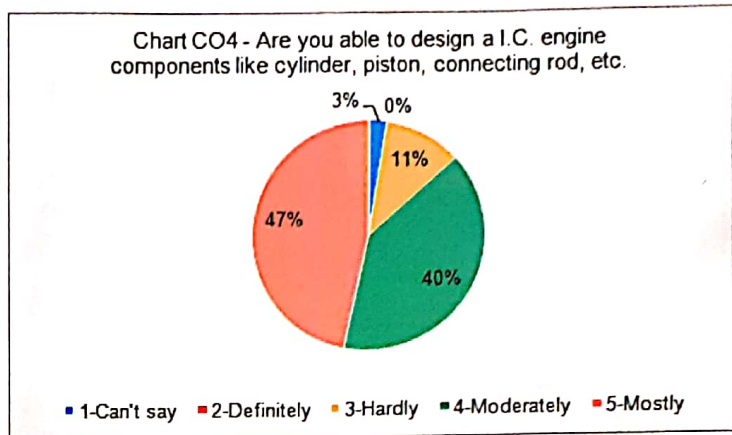
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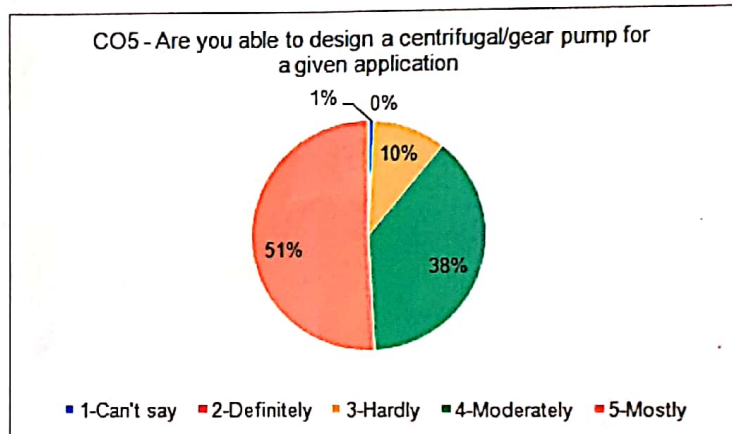
**Department of Mechanical Engineering**

**Academic Year: 2020-21 (EVEN SEM)**

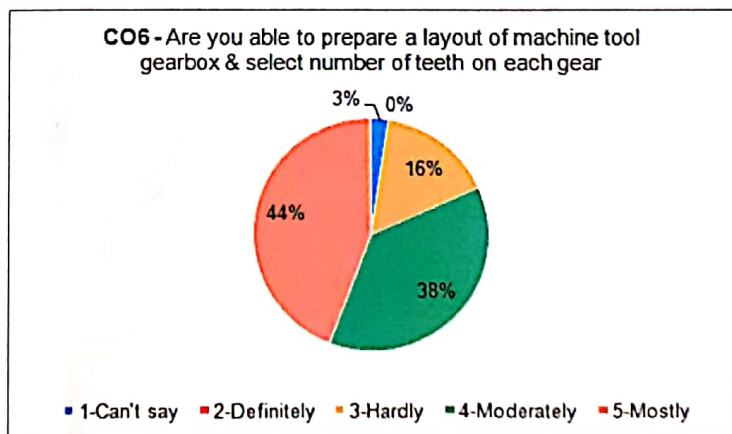
Score	No. of Students	Percentage
1-Can't say	3	3%
2-Definitely	0	0%
3-Hardly	13	11%
4-Moderately	48	40%
5-Mostly	56	47%
<b>Total</b>	<b>120</b>	<b>100</b>



Score	No. of Students	Percentage
1-Can't say	1	1%
2-Definitely	0	0%
3-Hardly	12	10%
4-Moderately	46	38%
5-Mostly	61	51%
<b>Total</b>	<b>120</b>	<b>100</b>



Score	No. of Students	Percentage
1-Can't say	3	3%
2-Definitely	0	0%
3-Hardly	19	16%
4-Moderately	45	38%
5-Mostly	53	44%
<b>Total</b>	<b>120</b>	<b>100</b>



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**Action Taken on Student feedback Report**

**Department: Mechanical Engineering**

**Summary of feedback:**

- More content should be provided for some topics
- Provide more case studies
- Most of the students were satisfied with the course content

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	DMS	Prof.Sreejith S.	Content provided in syllabus is vast but interesting and satisfies with all course objectives	Extra lectures were taken to cover the remaining topics <a href="https://drive.google.com/file/d/1IfUvwAr43cZ7jcTbADmKo46vsBtgsWOL/view?usp=sharing">https://drive.google.com/file/d/1IfUvwAr43cZ7jcTbADmKo46vsBtgsWOL/view?usp=sharing</a>
2	IEM	Prof. Mitali Mhatre	Maximum students were satisfied by course content	-
3	PE	Prof. Sunil Sopnur	required more content on Rocked Engine	As per the syllabus content, all contents were covered .However, this topic is explained through animation and working videos as well. <a href="https://youtu.be/9Y3fG-YrIII">https://youtu.be/9Y3fG-YrIII</a> <a href="https://youtu.be/MSgC6p0IE3w">https://youtu.be/MSgC6p0IE3w</a>
4	RES	Prof. Nalini Deepthi	Required Solar energy & wind energy designs for more understanding	Some animation videos has been shown for understanding latest techniques in energy resources

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				<a href="https://www.youtube.com/watch?v=X0OZ6tpZ3Mc">https://www.youtube.com/watch?v=X0OZ6tpZ3Mc</a> <a href="https://www.youtube.com/watch?v=qSWm_nprfqE">https://www.youtube.com/watch?v=qSWm_nprfqE</a>
5	ILOC-EM	Prof. Sindhu T./Prof. Alka P./Prof. Seema S.	Students were satisfied with the course .	All course content was covered well. Added activity based lecture & class task/ discussion done.
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: <a href="https://youtu.be/YRxutGgbUjA">https://youtu.be/YRxutGgbUjA</a> <a href="https://youtu.be/ITlyOUzmitU">https://youtu.be/ITlyOUzmitU</a>
7	ILOC-PM	Prof. Sindhu T./Prof. Alka P./Prof. Seema S.	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	ILOC- EDM	Prof. Sindhu T./Prof. Alka P./Prof. Seema S.	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.

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