



MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
(UGC-AUTONOMOUS INSTITUTION)
Affiliated to JNTUA, Ananthapuramu & Approved by AICTE, New Delhi
NAAC Accredited with A+ Grade, NIRF India Rankings 2024 - Band: 201-300 (Engg.)
NBA Accredited - B.Tech. (CIVIL, CSE, ECE, EEE, MECH, CST), MBA & MCA



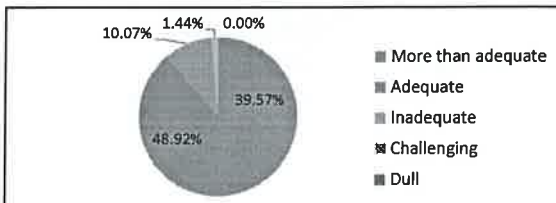
DEPARTMENT OF MECHANICAL ENGINEERING

Students Feedback on Curriculum, Teaching & Learning for A.Y. 2022-23

Total N.o of Responses: 139

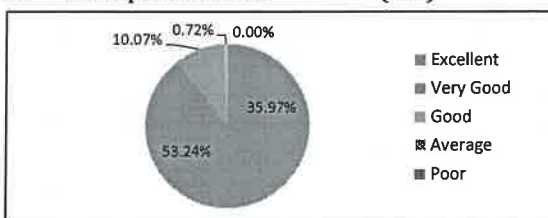
1 The Syllabus of each course was

Syllabus	Count	Percentage
More than adequate	55	39.57%
Adequate	68	48.92%
Inadequate	14	10.07%
Challenging	2	1.44%
Dull	0	0.00%



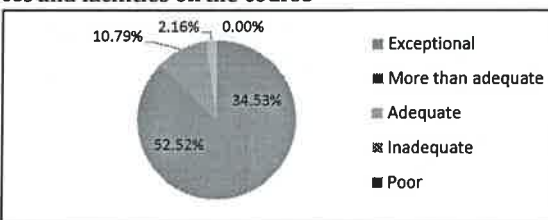
2 The depth of the course content is adequate in relation to the expected Course Outcomes(COs)

	Count	Percentage
Excellent	50	35.97%
Very Good	74	53.24%
Good	14	10.07%
Average	1	0.72%
Poor	0	0.00%



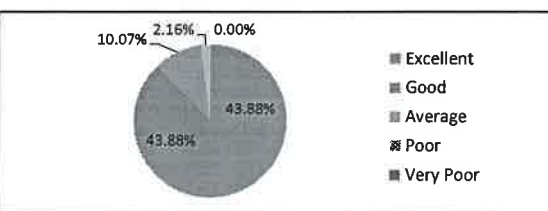
3 Opinion about library/textbooks/E-learning resources and facilities on the course

	Count	Percentage
Exceptional	48	34.53%
More than adequate	73	52.52%
Adequate	15	10.79%
Inadequate	3	2.16%
Poor	0	0.00%



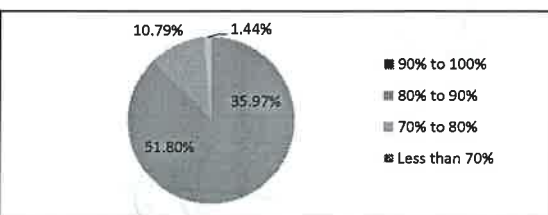
4 Knowledge/Skills acquired from theory/practical/project work to meet industry needs

	Count	Percentage
Excellent	61	43.88%
Good	61	43.88%
Average	14	10.07%
Poor	3	2.16%
Very Poor	0	0.00%



5 Syllabus coverage with proper sequencing

	Count	Percentage
90% to 100%	50	35.97%
80% to 90%	72	51.80%
70% to 80%	15	10.79%
Less than 70%	2	1.44%





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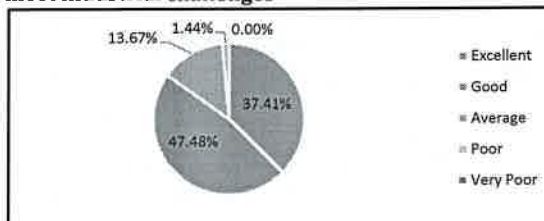
DEPARTMENT OF MECHANICAL ENGINEERING

Students Feedback on Curriculum, Teaching & Learning for A.Y. 2022-23

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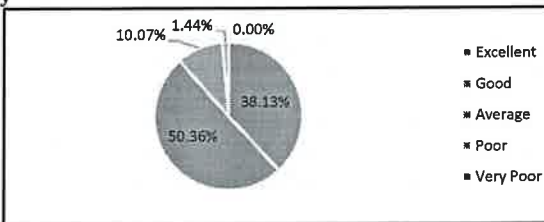
6 Syllabus equipped with necessary technical skills to meet industrial challenges

	Count	Percentage
Excellent	52	37.41%
Good	66	47.48%
Average	19	13.67%
Poor	2	1.44%
Very Poor	0	0.00%



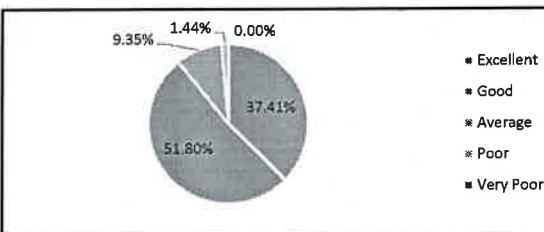
7 Relevance of course contents in the program of study

	Count	Percentage
Excellent	53	38.13%
Good	70	50.36%
Average	14	10.07%
Poor	2	1.44%
Very Poor	0	0.00%



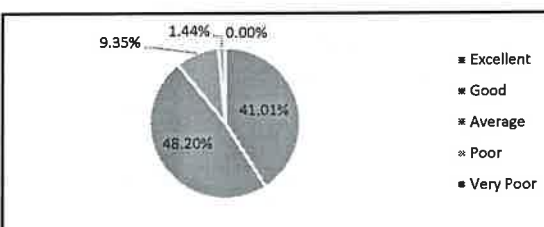
8 Process of Internal & External Assessment

	Count	Percentage
Excellent	52	37.41%
Good	72	51.80%
Average	13	9.35%
Poor	2	1.44%
Very Poor	0	0.00%



9 Provision for self learning/project based learning

	Count	Percentage
Excellent	57	41.01%
Good	67	48.20%
Average	13	9.35%
Poor	2	1.44%
Very Poor	0	0.00%



Signature of Co-Ordinator

PRINCIPAL
Madanapalle Institute of
Technology & Science
MADANAPALLE

HOD/ME

Head of the Department
Mechanical Engineering
Madanapalle Institute of Technology & Science
MADANAPALLE - 517 325



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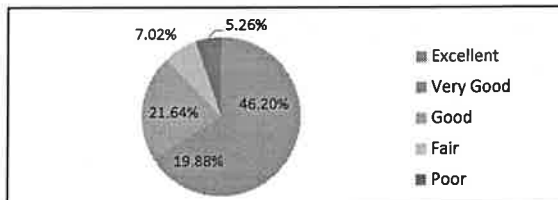
DEPARTMENT OF MECHANICAL ENGINEERING

Student Feedback on Facilities for A.Y. 2022-23

Total N.o of Responses: 171

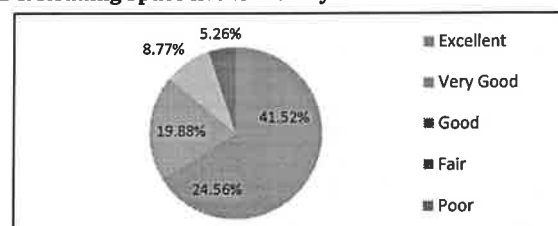
1 Rate the level of satisfaction with the cataloging and arrangement of books in the Library

	Count	Percentage
Excellent	79	46.20%
Very Good	34	19.88%
Good	37	21.64%
Fair	12	7.02%
Poor	9	5.26%



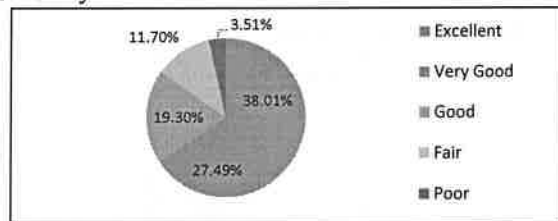
2 Rate the level of satisfaction with the available Books & Reading Space in the Library

	Count	Percentage
Excellent	71	41.52%
Very Good	42	24.56%
Good	34	19.88%
Fair	15	8.77%
Poor	9	5.26%



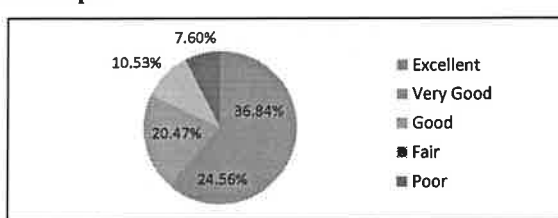
3 Rate the number of titles in subject availability in the Library:

	Count	Percentage
Excellent	65	38.01%
Very Good	47	27.49%
Good	33	19.30%
Fair	20	11.70%
Poor	6	3.51%



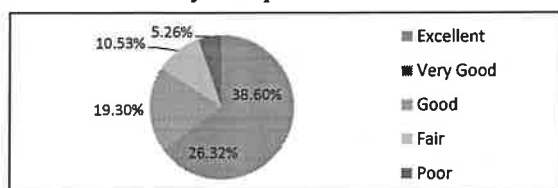
4 Rate the services of Book Store / Xerox facilities on our Campus

	Count	Percentage
Excellent	63	36.84%
Very Good	42	24.56%
Good	35	20.47%
Fair	18	10.53%
Poor	13	7.60%



5 Rate the availability of computers in the computer center as and when you require

	Count	Percentage
Excellent	66	38.60%
Very Good	45	26.32%
Good	33	19.30%
Fair	18	10.53%
Poor	9	5.26%





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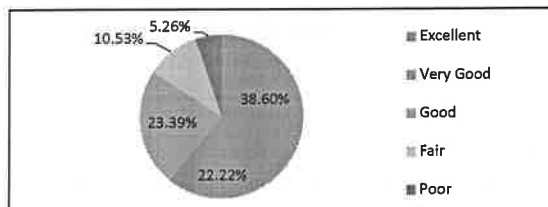
DEPARTMENT OF MECHANICAL ENGINEERING

Student Feedback on Facilities for A.Y. 2022-23

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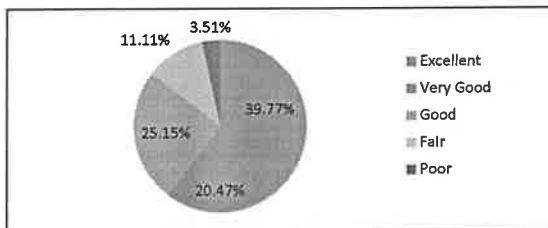
6 Rate the availability of educational online resources in the Library

	Count	Percentage
Excellent	66	38.60%
Very Good	38	22.22%
Good	40	23.39%
Fair	18	10.53%
Poor	9	5.26%



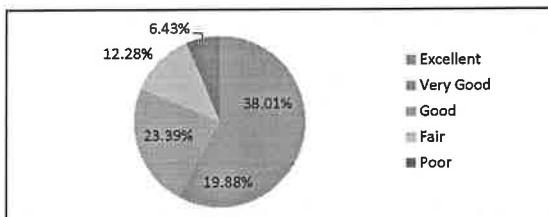
7 Rate the ambience of classrooms and laboratories in the department

	Count	Percentage
Excellent	68	39.77%
Very Good	35	20.47%
Good	43	25.15%
Fair	19	11.11%
Poor	6	3.51%



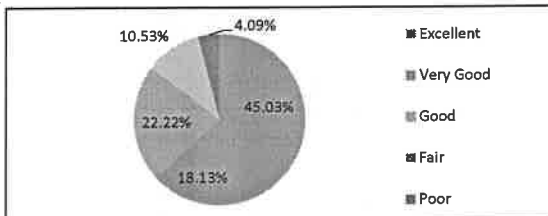
8 Rate the cleanliness of washrooms

	Count	Percentage
Excellent	65	38.01%
Very Good	34	19.88%
Good	40	23.39%
Fair	21	12.28%
Poor	11	6.43%



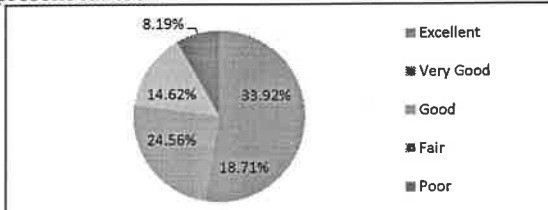
9 Rate the RO drinking water facility available on campus

	Count	Percentage
Excellent	77	45.03%
Very Good	31	18.13%
Good	38	22.22%
Fair	18	10.53%
Poor	7	4.09%



10 Rate the level of satisfaction with food served in the present canteen

	Count	Percentage
Excellent	58	33.92%
Very Good	32	18.71%
Good	42	24.56%
Fair	25	14.62%
Poor	14	8.19%





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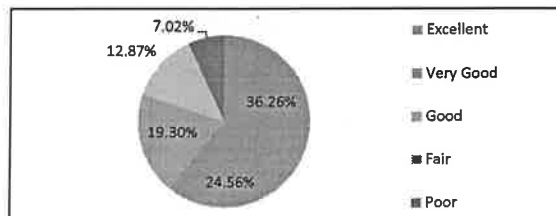
DEPARTMENT OF MECHANICAL ENGINEERING

Student Feedback on Facilities for A.Y. 2022-23

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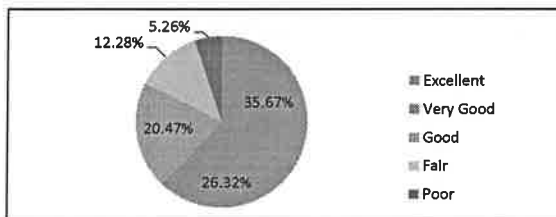
11 Rate the student clubs on campus

	Count	Percentage
Excellent	62	36.26%
Very Good	42	24.56%
Good	33	19.30%
Fair	22	12.87%
Poor	12	7.02%



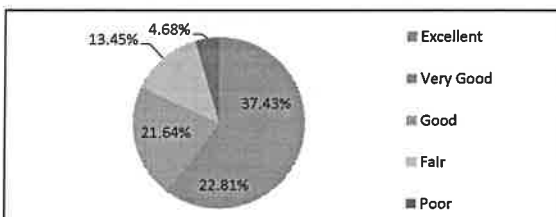
12 Rate the Student Welfare Office's helpfulness

	Count	Percentage
Excellent	61	35.67%
Very Good	45	26.32%
Good	35	20.47%
Fair	21	12.28%
Poor	9	5.26%



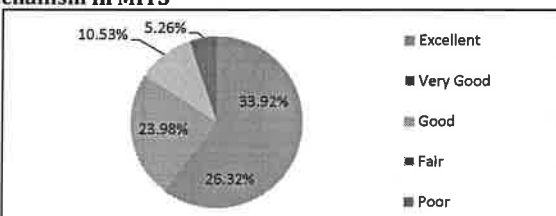
13 Rate your view on social services offered by MITS

	Count	Percentage
Excellent	64	37.43%
Very Good	39	22.81%
Good	37	21.64%
Fair	23	13.45%
Poor	8	4.68%



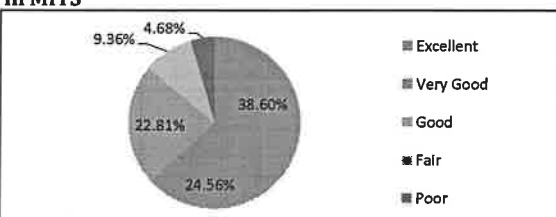
14 Rate your opinion on the grievance and redressal mechanism in MITS

	Count	Percentage
Excellent	58	33.92%
Very Good	45	26.32%
Good	41	23.98%
Fair	18	10.53%
Poor	9	5.26%



15 Rate the functioning of the Training & Placement Cell in MITS

	Count	Percentage
Excellent	66	38.60%
Very Good	42	24.56%
Good	39	22.81%
Fair	16	9.36%
Poor	8	4.68%





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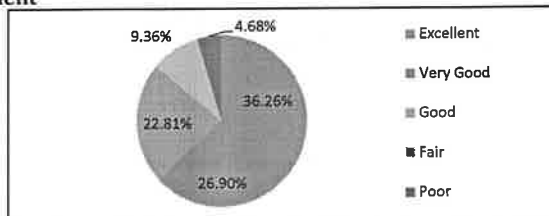
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Student Feedback on Facilities for A.Y. 2022-23

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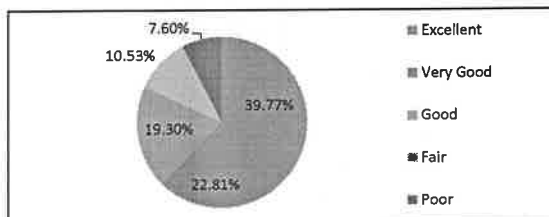
16 16. Rate the working condition of laboratory equipment

	Count	Percentage
Excellent	62	36.26%
Very Good	46	26.90%
Good	39	22.81%
Fair	16	9.36%
Poor	8	4.68%



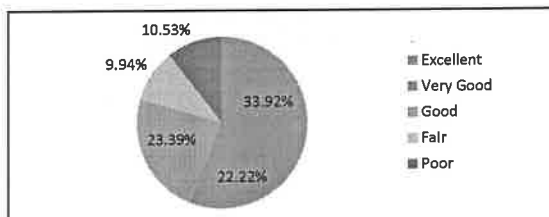
17 Rate the NSS / NCC activities of MITS

	Count	Percentage
Excellent	68	39.77%
Very Good	39	22.81%
Good	33	19.30%
Fair	18	10.53%
Poor	13	7.60%



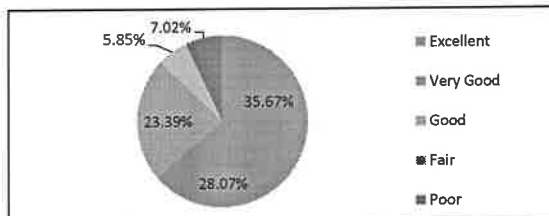
18 Rate the hostel facilities in MITS

	Count	Percentage
Excellent	58	33.92%
Very Good	38	22.22%
Good	40	23.39%
Fair	17	9.94%
Poor	18	10.53%



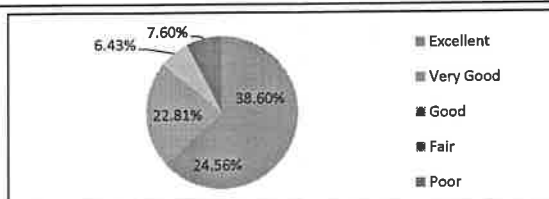
19 Rate the medical facilities on the MITS campus

	Count	Percentage
Excellent	61	35.67%
Very Good	48	28.07%
Good	40	23.39%
Fair	10	5.85%
Poor	12	7.02%



20 Rate the transportation facilities in MITS

	Count	Percentage
Excellent	66	38.60%
Very Good	42	24.56%
Good	39	22.81%
Fair	11	6.43%
Poor	13	7.60%





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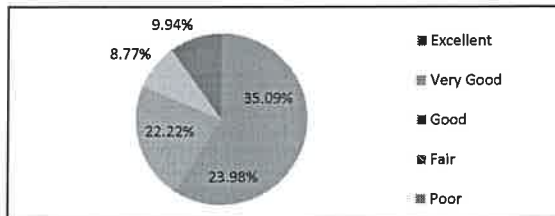
DEPARTMENT OF MECHANICAL ENGINEERING

Student Feedback on Facilities for A.Y. 2022-23

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21 Rate the Sports facilities in MITS

	Count	Percentage
Excellent	60	35.09%
Very Good	41	23.98%
Good	38	22.22%
Fair	15	8.77%
Poor	17	9.94%



Signature of the Coordinator

PRINCIPAL
Madanapalle Institute of
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Head of the Department
Mechanical Engineering
Madanapalle Institute of Technology & Science
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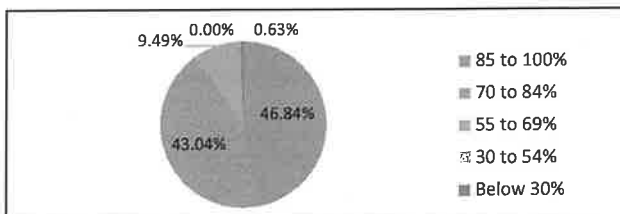
DEPARTMENT OF MECHANICAL ENGINEERING

Feedback on Student Satisfaction Survey (SSS) on Teaching Learning Process for AY 2022-23

Total N.o of Responses: 158

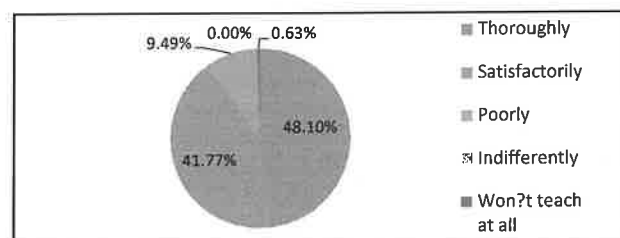
1 How much of the syllabus was covered in the class?

Syllabus	Count	Percentage
85 to 100%	74	46.84%
70 to 84%	68	43.04%
55 to 69%	15	9.49%
30 to 54%	0	0.00%
Below 30%	1	0.63%



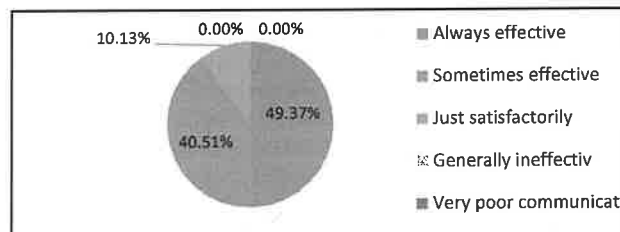
2 How well did the teachers prepare for the classes?

	Count	Percentage
Thoroughly	76	48.10%
Satisfactorily	66	41.77%
Poorly	15	9.49%
Indifferently	0	0.00%
Won't teach at all	1	0.63%



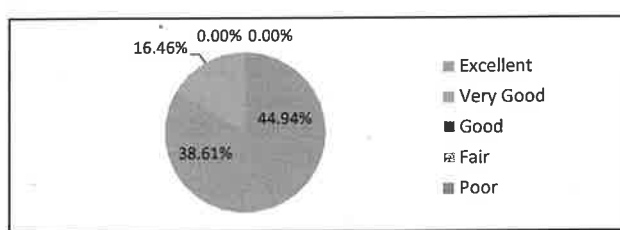
3 How well were the teachers able to communicate?

	Count	Percentage
Always effective	78	49.37%
Sometimes effective	64	40.51%
Just satisfactorily	16	10.13%
Generally ineffectiv	0	0.00%
Very poor communicat	0	0.00%



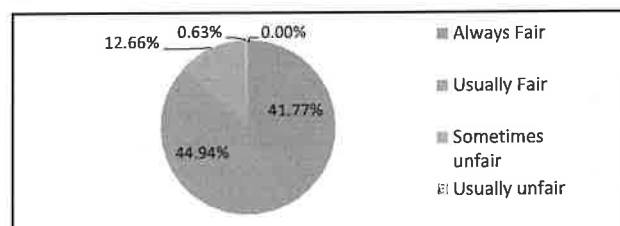
4 The teacher's approach to teaching can best be described as

	Count	Percentage
Excellent	71	44.94%
Very Good	61	38.61%
Good	26	16.46%
Fair	0	0.00%
Poor	0	0.00%



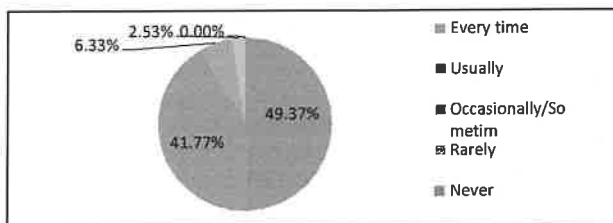
5 Fairness of the internal evaluation process by the teachers

	Count	Percentage
Always Fair	66	41.77%
Usually Fair	71	44.94%
Sometimes unfair	20	12.66%
Usually unfair	1	0.63%
unfair	0	0.00%



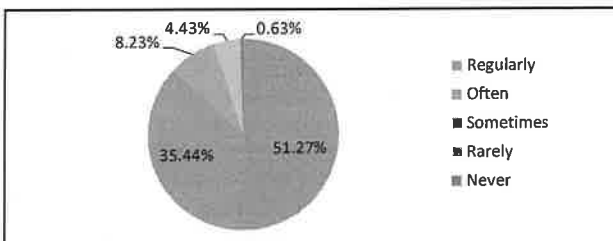
6 Was your performance in assignments discussed with you?

	Count	Percentage
Every time	78	49.37%
Usually	66	41.77%
Occasionally/Sometim	10	6.33%
Parely	4	2.53%
Never	0	0.00%



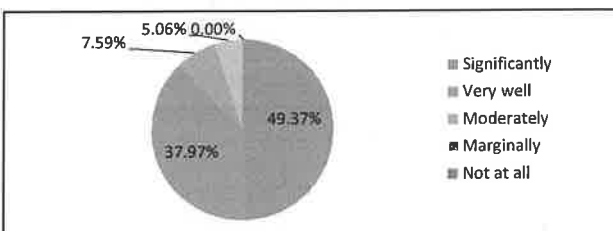
7 The institute takes active interest in promoting internship, student exchange, field visit opportunities for students.

	Count	Percentage
Regularly	81	51.27%
Often	56	35.44%
Sometimes	13	8.23%
Rarely	7	4.43%
Never	1	0.63%



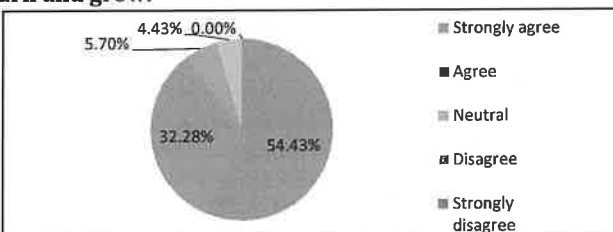
8 The teaching and mentoring process in your institution facilitates you in cognitive, social and emotional growth.

	Count	Percentage
Significantly	78	49.37%
Very well	60	37.97%
Moderately	12	7.59%
Marginally	8	5.06%
Not at all	0	0.00%



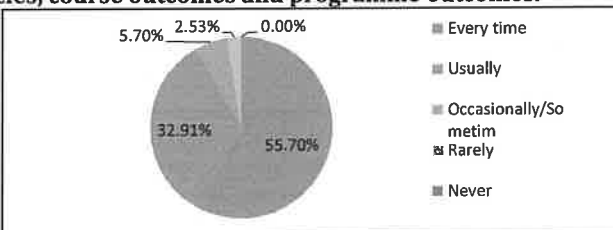
9 The institution provides multiple opportunities to learn and grow.

	Count	Percentage
Strongly agree	86	54.43%
Agree	51	32.28%
Neutral	9	5.70%
Disagree	7	4.43%
Strongly disagree	0	0.00%



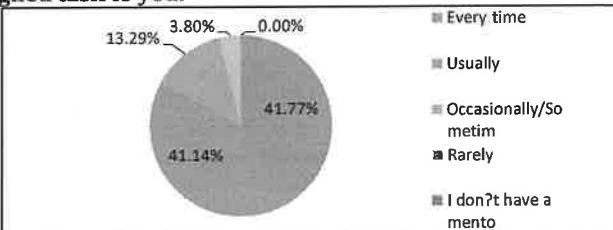
10 Teachers inform you about your expected competencies, course outcomes and programme outcomes.

	Count	Percentage
Every time	88	55.70%
Usually	52	32.91%
Occasionally/Sometim	9	5.70%
Rarely	4	2.53%
Never	0	0.00%



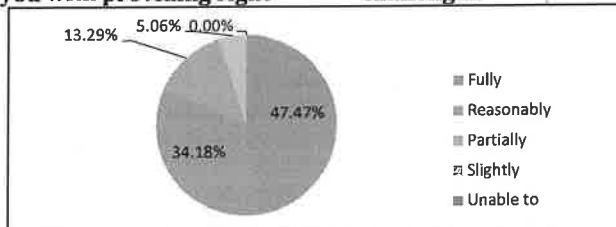
11 Your mentor does a necessary follow-up with an assigned task to you.

	Count	Percentage
Every time	66	41.77%
Usually	65	41.14%
Occasionally/Sometim	21	13.29%
Rarely	6	3.80%
I don?t have a mento	0	0.00%



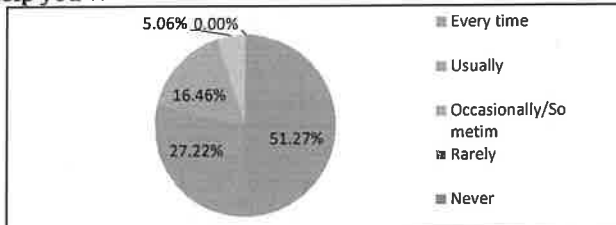
12 The teachers identify your strengths and encourage you with providing right level of challenges.

	Count	Percentage
Fully	75	47.47%
Reasonably	54	34.18%
Partially	21	13.29%
Slightly	8	5.06%
Unable to	0	0.00%



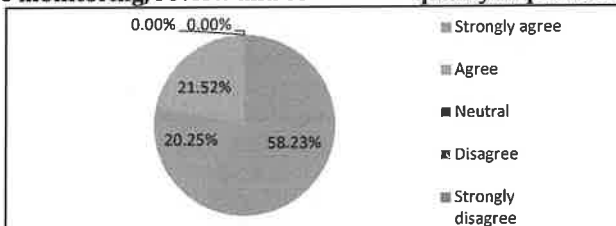
13 Teachers are able to identify your weaknesses and help you to overcome them.

	Count	Percentage
Every time	81	51.27%
Usually	43	27.22%
Occasionally/Sometim	26	16.46%
Rarely	8	5.06%
Never	0	0.00%



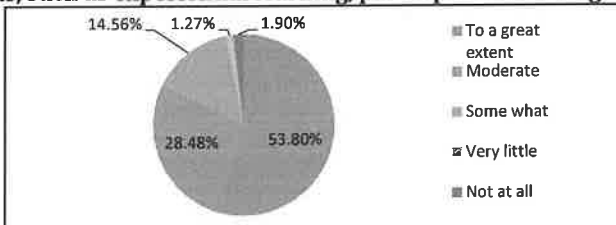
14 The institution makes effort to engage students in the monitoring, review and continuous quality improvement of the

	Count	Percentage
Strongly agree	92	58.23%
Agree	32	20.25%
Neutral	34	21.52%
Disagree	0	0.00%
Strongly disagree	0	0.00%



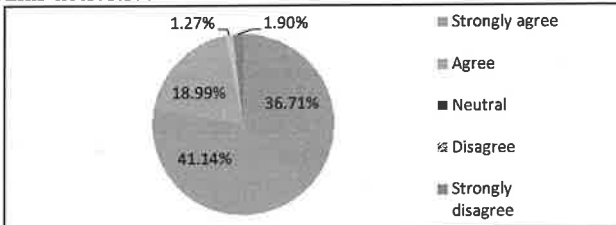
15 The institution/ teachers use student centric methods, such as experiential learning, participative learning and

	Count	Percentage
To a great extent	85	53.80%
Moderate	45	28.48%
Some what	23	14.56%
Very little	2	1.27%
Not at all	3	1.90%



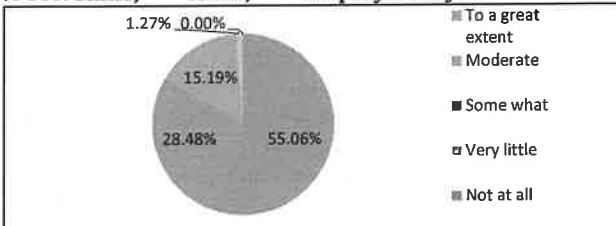
16 Teachers encourage you to participate in extracurricular activities.

	Count	Percentage
Strongly agree	58	36.71%
Agree	65	41.14%
Neutral	30	18.99%
Disagree	2	1.27%
Strongly disagree	3	1.90%



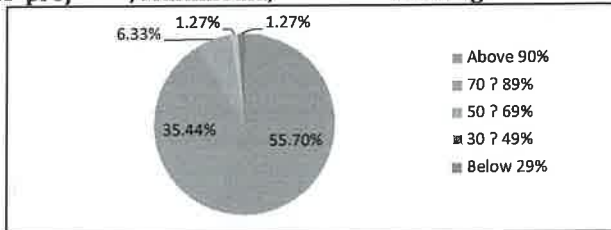
17 Efforts are made by the institute/teachers to inculcate soft skills, life skills, and employability skills to make you

	Count	Percentage
To a great extent	87	55.06%
Moderate	45	28.48%
Some what	24	15.19%
Very little	2	1.27%
Not at all	0	0.00%



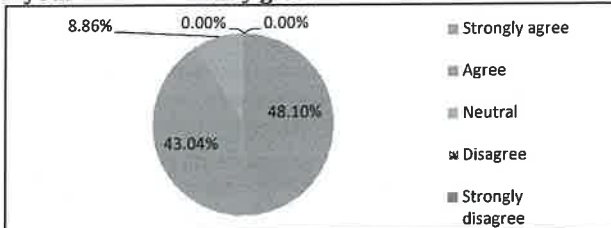
18 What percentage of teachers use ICT tools such as LCD projector, Multimedia, etc. while teaching.

	Count	Percentage
Above 90%	88	55.70%
70 ? 89%	56	35.44%
50 ? 69%	10	6.33%
30 ? 49%	2	1.27%
Below 29%	2	1.27%



19 The overall quality of the teaching-learning process in your institute is very good.

	Count	Percentage
Strongly agree	76	48.10%
Agree	68	43.04%
Neutral	14	8.86%
Disagree	0	0.00%
Strongly disagree	0	0.00%



Signature of the Coordinator

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HOD-ME
Head of the Department
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MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE

(UGC-AUTONOMOUS)

DEPARTMENT OF MECHANICAL ENGINEERING

Course Exit Survey

Programme: B.Tech

Year & Semester: II Year II Semester

A.Y: 2022-23

Below are given some fields specially related to course and effectiveness. You may indicate the extent to which you took advantage of the various learning points of the course. We consider your response highly valuable. You may rate your response as follows on a four point scale. tick mark against your option

1-To a very little extent

2-To a slight extent

3- To a moderate extent

4- To a Great extent

Course Outcomes: At the end of course, the student will be able to	Response rating				Total Responses	Attainment of Cos	
	1	2	3	4		Attainment of Cos	% of Attainment
20HUM101 Economics and Financial Accounting for Engineers							
1.Understand Engineering economics basic concepts.	7	12	24	19	62	0.72	72.18
2.Analyze the concepts of demand, elasticity, supply, Production, Cost Analysis and its	8	11	26	17	62	0.71	70.97
3.Compare different market structures and identify suitable market,	10	9	25	18	62	0.71	70.56
4. Demonstrate an understanding and analyzing the accounting statements, and	7	10	25	20	62	0.73	73.39
5. Demonstrate the ability to apply knowledge of accounting concepts through Financial	9	11	23	19	62	0.71	70.97
20MAT108 PROBABILITY AND STATISTICS							
1. Understand the probability and random variables and its applications in mechanical	11	9	8	33	61	0.75	74.60
2. Get the importance of and discrete and continuous probability distributions in	9	13	6	33	61	0.75	74.60
3.Solve real time problems in Reliability engineering and study about joint probability	12	9	8	27	56	0.65	65.32
4. Apply classical inference involving confidence intervals and hypothesis testing in	8	13	9	26	56	0.67	66.53
5.Analyze the statistical experimental designs	13	9	8	31	61	0.72	72.18
20ME106 MECHANICS OF SOLIDS							
1.Estimate the fundamental stresses, strains, and principal stresses by analytical and Mohr's	11	7	6	38	62	0.79	78.63
2. Apply the properties of steam to design steam systems.	14	5	3	40	62	0.78	77.82
3. Apply the second law of thermodynamics for the design of heat engine, heat pump and	13	5	4	40	62	0.79	78.63
4. Explain the cycles on which IC engines, Gas turbines and refrigerator works.	11	9	3	39	62	0.78	78.23
5. Explain the importance of Tds relations and be able to use psychometric charts for the	11	10	4	37	62	0.77	77.02
20ME107 THEORY OF MACHINES							
1.Identify the different mechanisms and their inversions in real life applications	12	9	3	38	62	0.77	77.02

2. Calculate the velocity and acceleration of simple mechanisms by graphical methods.	11	8	4	39	62	0.79	78.63
3. Understand the principle of working of a gyroscope and governors; and classify gears and	12	8	4	38	62	0.77	77.42
4. Estimate the unbalance mass in rotating machines using analytical and graphical methods	12	6	6	38	62	0.78	78.23
5. To study the free and forced vibrations of single degree freedom systems.	12	7	7	36	62	0.77	77.02
20ME108 MANUFACTURING TECHNOLOGY- I							
1. Selection of suitable manufacturing process for a given product by pattern making,	10	12	15	25	62	0.72	72.18
2. Selection of metal joining process for different metal using different welding techniques	5	18	14	25	62	0.74	73.79
3. Production of components on sheet metal by using processes like blanking, piercing,	9	13	12	28	62	0.74	73.79
4. Compare cold working and hot working processes using rolling, extrusion process, rolling	6	17	13	26	62	0.74	73.79
8	8	17	9	28	62	0.73	72.98
20ME205 MANUFACTURING TECHNOLOGY- I LABORATORY							
1. Produce real time casting on their own.	11	9	18	24	62	0.72	72.18
2. Prepare various joints by using various welding process	12	10	13	27	62	0.72	72.18
3. Perform blanking, piercing and forming operations on the sheet metal.	9	10	18	25	62	0.74	73.79
4. Prepare bottle with cape by using injection and vacuum forming.	11	10	13	28	62	0.73	73.39
5. Bend a pipe to the required angle.	11	9	17	25	62	0.73	72.58
20ME206 MECHANICS OF SOLIDS LABORATORY							
1. Evaluate hardness value for various materials using Rockwell hardness tester	14	6	8	34	62	0.75	75.00
2. Plot the stress strain curve of a ductile material under tensile and compressive load	11	9	7	35	62	0.77	76.61
3. Calculate the slope and deflection of simply supported beam under point load	10	8	10	33	61	0.76	75.81
4. Experiment on a spring to interpret the stiffness and shear modulus.	14	5	9	34	62	0.75	75.40
5. Apply the concept of impact loading and to determine impact values for various	12	7	7	36	62	0.77	77.02
20ME207 DYNAMICS AND ELECTRICAL MACHINES LABORATORY							
1. Analyze the motion and response of free, forced and damped vibration systems	12	7	8	35	62	0.77	76.61
2. Experiment with the static and dynamic balancing of rotating mass system	13	12	12	25	62	0.70	69.76
3. Assess the effect of Gyroscopic couple in a dynamic body.	12	12	12	26	62	0.71	70.97
4. Examine the phenomenon of whirling in shafts.	12	12	11	27	62	0.71	71.37
5. Experiment with Governors and cam-follower systems.	18	5	11	28	62	0.70	69.76
20HUM901 INDIAN CONSTITUTION							
1. Understand the functions of the Indian government.	11	9	23	19	62	0.70	70.16
2. Understand and abide the rules of the Indian constitution.	11	10	19	22	62	0.71	70.97

3. Modal Problems	20	38	53	61	172	0.65	64.64
4.. Heat Transfer Problems	19	36	54	63	172	0.65	65.41
5CNC Operations.	19	38	58	57	172	0.64	64.38
20ME211 ROBOTICS LABORATORY	21	37	56	58	172	0.64	64.12
1..The student will be able to weather monitoring using IoT programming logic. Studentwill b	21	38	56	57	172	0.64	63.86
2. Students will learn the concepts and working of soil moisture sensor. They will be able toir	21	38	57	56	172	0.64	63.73
3.Students will learn DTMF Decoder and its working and also detect DTMF tones using	20	37	57	58	172	0.64	64.38
4.The student will be able to learn the placement and connection of IR sensors in Obstacle	20	37	57	58	172	0.64	64.38
5. Students will learn accelerometers and their working. They will also learn to interface	20	38	55	59	172	0.64	64.38

20ME212 ENGINEERING METROLOGY AND MEASUREMENTS	20	36	55	61	172	0.65	64.90
1.Measure the gear tooth dimensions, angle using sine bar, straightness and flatness,	20	38	53	61	172	0.65	64.64
2. Calibrate the Vernier, micrometre and slip gauges and setting up the comparator for the	20	36	56	60	172	0.65	64.77
3. Apply knowledge of metrology and machine tools for practical applications.	19	37	53	63	172	0.65	65.28
	20	37	53	62	172	0.65	64.90

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20ENG601 CORPORATE COMMUNICATION LABORATORY							
1.Read articles from magazines and newspapers	12	8	11	31	62	0.75	74.60
2.Participate effectively in informal conversations	13	8	9	32	62	0.74	74.19
3.Introduce themselves and their friends and express opinions in English	13	7	7	35	62	0.76	75.81
4.Comprehend conversations and short talks delivered in English	11	9	11	31	62	0.75	75.00
5.Write short essays of a general kind, draft Reports and personal letters and emails in	13	6	9	34	62	0.76	75.81

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MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
(UGC-AUTONOMOUS)
DEPARTMENT OF MECHANICAL ENGINEERING
Course Exit Survey

Programme: B.Tech

Year & Semester: III Year II Semester

A.Y: 2022-23

Below are given some fields specially related to course and effectiveness. You may indicate the extent to which you took advantage of the various learning points of the course. We consider your response highly valuable. You may rate your response as follows on a four point scale. tick mark against your option

1-To a very little extent

2-To a slight extent

3- To a moderate extent

4- To a Great extent

Course Outcomes: At the end of course, the student will be able to	Response rating				Total Responses	Attainment of Cos	
	1	2	3	4		Attainment of Cos	% of Attainment
20ME112 CAD/CAM							
1. Learn to manipulate the objects by using various transformations techniques.	19	37	56	60	172	0.73	72.82
2. Create surface entities and solid models using various CAD techniques	19	37	58	58	172	0.73	72.53
3.To demonstrate a basic and advanced understanding of NC, CNC and DNC strategies	19	37	55	61	172	0.73	72.97
4. To demonstrate an ability to set-up, write part program using G- Codes and M- Codes to	20	38	53	61	172	0.73	72.53
5. State the applications of FEM in various engineering fields	21	36	56	59	172	0.72	72.24
20ME113 AUTOMATION AND ROBOTICS							
1. Demonstrate knowledge of Robotics and learning the design of such systems	21	37	55	59	172	0.64	64.25
2. Demonstrate Cognitive skills (thinking and analysis)	20	38	58	56	172	0.64	63.99
3.Link the scientific concepts they are learning with real applications by giving live examples	20	36	57	59	172	0.65	64.64
4. Understand the practical importance of Robot in industry and is of importance also for	20	38	57	57	172	0.64	64.12
20ME114 MACHINE LEARNING FOR MECHANICAL ENGINEERS							
1. Import various available datasets and determine the statistical parameters of the data.	19	38	53	62	172	0.73	72.97
2. . The students will also be able to clean and normalize the data and present the data	21	36	55	60	172	0.72	72.38
3. Apply linear regression to quantify the relationship between one or more predictor	20	36	58	58	172	0.72	72.38
4. Apply the KNN techniques for classification and classify new cases based on a similarity	20	36	53	63	172	0.73	73.11
5. Apply support vector machine algorithm for classification and regression problems.	21	37	57	57	172	0.72	71.80
20HUM902*UNIVERSAL HUMAN VALUES							
1.. Understood the natural acceptance in human being as the innate acceptance.	21	38	53	60	172	0.72	72.09
2. More aware of themselves	19	36	54	63	172	0.73	73.40

3.Maintain harmony with family and society by recognizing Harmony in Human-Human	19	38	54	61	172	0.73	72.82
	19	36	55	62	172	0.73	73.26
5.More responsible in life, and in handling problems with sustainable solutions, while	20	37	57	58	172	0.72	72.24
20CE301 GROUND IMPROVEMENT TECHNIQUES	19	36	56	61	172	0.73	73.11
1. Evaluate basic deficiencies of various soil deposits and able to decide various dewatering	21	36	57	58	172	0.72	72.09
2. Implement different techniques of soil densification	21	37	55	59	172	0.72	72.09
3.Choose the best method for stabilizing the soil for a given soil condition.	19	36	57	60	172	0.73	72.97
4.Choose-the best geosynthetic materials in different engineering applications.	19	38	54	61	172	0.73	72.82
5. Assessing various types of foundation techniques and methods to control swelling of soil	19	37	57	59	172	0.73	72.67
20CE302 ENVIRONMENTAL IMPACT ASSESSMENT	20	38	56	58	172	0.72	72.09
1. Apply the various methods used in predicting environmental impacts.	21	38	54	59	172	0.72	71.95
2.Apply site information to interpret impacts on land and groundwater	20	36	55	61	172	0.73	72.82
3. Evaluate environmental impacts of various development activities on existing ecosystem.	20	37	54	61	172	0.73	72.67
4.Apply the procedures and various protocols involved in preparation of environmental	21	36	55	60	172	0.72	72.38
5.Apply the implications of environmental prevention and protection acts in relation to	21	36	58	57	172	0.72	71.95
20CSE301 JAVA PROGRAMMING	21	36	58	57	172	0.72	71.95
1Choose object-oriented programming concepts for problem solving.	21	36	57	58	172	0.64	64.25
2.Create and use packages and interfaces.	20	38	55	59	172	0.64	64.38
3. Develop multithreaded applications with synchronization.	19	36	54	63	172	0.65	65.41
	21	37	58	56	172	0.64	63.86
5.Design GUI based applications.	21	38	54	59	172	0.64	64.12
20CSE302 MULTIMEDIA TECHNOLOGIES	19	37	56	60	172	0.73	72.82
1. Understand the characteristics of different media and the representations of different	20	37	57	58	172	0.64	64.38
2.Understand the characteristics of Image, Audio and Video systems and takes into	19	36	55	62	172	0.65	65.28
3.Describe different coding and compression principles and compare different compression	21	37	58	56	172	0.64	63.86
4. Design multimedia components efficiently	20	37	57	58	172	0.64	64.38
5.Develop integrated, collaborative multimedia system	21	37	56	58	172	0.64	64.12
20ME210 CAD/CAM LABORATORY	20	38	55	59	172	0.64	64.38
1.Basic Structural Problems	20	37	57	58	172	0.64	64.38
2. Buckling & Stress Problems.	19	38	54	61	172	0.65	64.90

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE

(UGC-AUTONOMOUS)

DEPARTMENT OF MECHANICAL ENGINEERING

Course Exit Survey

Programme: B.Tech

Year & Semester: IV Year II Semester

A.Y: 2022-23

Below are given some fields specially related to course and effectiveness. You may indicate the extent to which you took advantage of the various learning points of the course. We

1-To a very little extent

2-To a slight extent

3- To a moderate extent

4- To a Great extent

Course Outcomes: At the end of course, the student will be able to	Response rating				Total Responses	Attainment of Cos	
	1	2	3	4		Attainment	% of Attainment
DE-VI 18ME422 Electric Vehicle Technology							
1.Understand the various parameters involved in battery pack .	9	4	7	16	36	0.71	70.83
2. Classify the BMS based on functionality.	7	6	6	17	36	0.73	72.92
3.Understand the application of BMS in Electric Vehicle.	7	7	7	15	36	0.71	70.83
4. Interpret the design of BMS.	6	6	7	17	36	0.74	74.31
5.Execute the installation, testing of BMS.	7	5	7	17	36	0.74	73.61
DE-VI 18ME425 Entrepreneurship and Project Management							
1. Describes the sources of new business ideas, methods to develop new ideas and use the p	22	14	34	72	142	0.77	77.46
2. Able to Write a business plan which includes Financial plan, Organizational Plan and Mark	20	14	37	71	142	0.78	77.99
3. Able to identify the financial sources for new business ventures	19	11	39	73	142	0.79	79.23
4. Able to select a plant layout and draw a plant layout	18	13	33	78	142	0.80	80.11
5.Design a work place and Analyze the market research for new business.	19	14	32	77	142	0.79	79.40
OE-IV 18CE304 Green Building and Energy Conservation							
1. An understanding on green building materials and construction techniques.	3	2	4	7	16	0.73	73.44
2. Knowledge on renewable energy and energy conservation through material usage.	3	3	2	8	16	0.73	73.44
3. A thorough understanding on designing green buildings	2	3	5	6	16	0.73	73.44
OE-IV 18EEE304 Electrical Safety							
1.Describe electrical hazards and safety equipment.	0	0	2	2	4	0.88	87.50
2. Analyze and apply various grounding and bonding techniques.	0	0	2	2	4	0.88	87.50
3. Select appropriate safety method for low, medium and high voltage equipment.	0	0	1	3	4	0.94	93.75
4.Participate in a safety team.	0	0	2	2	4	0.88	87.50
5.Carry out proper maintenance of electrical equipment by understanding various standards	0	0	1	3	4	0.94	93.75
OE-IV 18ECE304 Wireless Sensor Networks							
1.Design wireless sensor networks for a given application	0	1	0	1	2	0.75	75.00
2.Understand emerging research areas in the field of sensor networks	0	0	2	0	2	0.75	75.00
3.Understand MAC protocols used for different communication standards used in WSN.	0	1	0	1	2	0.75	75.00
4.Explore new protocols for WSN.	0	0	1	1	2	0.88	87.50
OE-IV 18CSE304 Mobile Application Development							
1.Work on android basic components and Install android.	0	0	2	1	3	0.83	83.33
2. Create User Interfaces with various Layouts and views using android building blocks.	0	1	1	1	3	0.75	75.00

3. Work with Broadcast Receivers and Services	0	0	2	1	3	0.83	83.33
4. Create Database in Android, Store and Retrieve data using SQLite and Content Providers.	0	1	1	1	3	0.75	75.00
5. Develop widgets, Wall papers for an android application and write programs based on Se	0	0	2	1	3	0.83	83.33

OE-IV 118CSE305 Software Project Management							
1. Maintain software projects and monitor software project process	2	1	1	5	9	0.75	75.00
2. Design and develop project modules and assign resources.	0	2	2	5	9	0.83	83.33
3. Understand software quality and project management techniques	1	2	0	6	9	0.81	80.56
4. Comprehend, assess, and calculates the cost of risk involved in a project management	1	1	1	6	9	0.83	83.33
5. . Use Primavera & Redmine software management tools.	0	2	2	5	9	0.83	83.33

OE-IV 18CSE306 Software Testing							
1.. Understand the basic principles of testing, path testing and compare different path testin	1	2	0	1	4	0.56	56.25
2. Explain different transaction flow and data flow testing techniques.	1	2	0	1	4	0.56	56.25
3. Understand and identify various Domains testing strategies, methods and defining the me	1	2	0	1	4	0.56	56.25
4. Test the functions and state of the applications manually and by automation using differe	1	2	0	1	4	0.56	56.25
5. Apply and use software testing methods and various test tools.	1	2	0	1	4	0.56	56.25


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MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE

(UGC-AUTONOMOUS)

DEPARTMENT OF MECHANICAL ENGINEERING

Course Exit Survey

Programme: B.Tech

Year & Semester: II Year I Semester

A.Y: 2022-23

Below are given some fields specially related to course and effectiveness. You may indicate the extent to which you took advantage of the various learning points of the course. We consider your

1-To a very little extent

2-To a slight extent

3- To a moderate extent

4- To a Great extent

Course Outcomes: At the end of course, the student will be able to	Response rating				Total Responses	Attainment of Cos	
	1	2	3	4		Attainment of Cos	% of Attainment
20MAT103 NUMERICAL METHODS							
1. Solve the system of algebraic and transcendental equations.	5	9	25	26	65	0.78	77.69
2. Interpolate the equal and unequal spaced arguments of function.	3	12	25	25	65	0.78	77.69
3. Apply the numerical techniques to find derivatives and integrals in the field of	4	12	19	30	65	0.79	78.85
4. Find the approximate numerical solutions to ordinary differential equations representing	2	9	22	32	65	0.82	82.31
5. Estimate the model parameters using the principles of least squares to a curve of best fit	3	10	20	32	65	0.81	81.15
20ME102 ENGINEERING MECHANICS							
1. Solve the engineering problems in case of equilibrium conditions.	2	12	18	33	65	0.82	81.54
2. Calculate the reaction forces of various supports of different structures and frictions.	1	11	22	31	65	0.82	81.92
3. Determine centroid, center of gravity and moment of inertia of various surfaces and	4	6	20	35	65	0.83	83.08
4. Calculate the characteristics of a particles subjected to a given motion	4	4	23	34	65	0.83	83.46
5. Solve the problems involving dynamics of rigid bodies	4	7	23	31	65	0.81	81.15
20ME103 BASIC THERMODYNAMICS							
1. Define the fundamentals of the zeroth and first laws of thermodynamics and explain	2	5	24	34	65	0.85	84.62
2. Apply the properties of steam to design steam systems.	1	6	24	34	65	0.85	85.00
3. Apply the second law of thermodynamics for the design of heat engine, heat pump and	5	6	24	30	65	0.80	80.38
4. Explain the cycles on which IC engines, Gas turbines and refrigerator works.	3	6	20	36	65	0.84	84.23
5. Explain the importance of Tds relations and be able to use psychometric charts for the	2	8	20	35	65	0.84	83.85
20ME104 MATERIALS SCIENCE AND ENGINEERING							
1. To develop deep knowledge of crystal structure and effect of structure on the properties	5	16	25	19	65	0.72	72.31
2. To understand various imperfections in crystal, dislocation mechanisms and diffusion	3	13	27	22	65	0.76	76.15
3. Student will be able understand various mechanical properties of materials and its	6	9	30	20	65	0.75	74.62
4. To understand the concept of phases and to construct the equilibrium diagrams, Fe-Fe3C	3	8	31	23	65	0.78	78.46
5. To recognize the properties and applications of nonmetallic materials and Ferrous	5	14	27	19	65	0.73	73.08
20ME105 FLUID MECHANICS AND HYDRAULIC MACHINERY							
1. Interpret the properties of fluids and their applications, determine differential pressure	7	8	21	29	65	0.78	77.69
2. Distinguish between a system and control volume approach and will be able to use the	4	8	21	32	65	0.81	81.15
3. Have a clear understanding of internal flow physics and capable of estimating the major	4	8	23	30	65	0.80	80.38
4. Assess the forces acting on vanes with varied geometries and point of jet impact	5	6	23	31	65	0.81	80.77
5. Differentiate different pumps and calculate their performance characteristics.	3	9	20	33	65	0.82	81.92

20ME202 MATERIALS SCIENCE AND ENGINEERING LABORATORY							
1. The student will obtain knowledge on the microstructural analysis of various metals and	4	9	18	34	65	0.82	81.54
2. This lab enables the student to select an analytical technique to evaluate and analyze the	1	11	22	31	65	0.82	81.92
3. Ability to perform different heat treatment operation and characterize the	0	5	22	38	65	0.88	87.69
4. Perform simple calculations to qualify materials properties and microstructural	2	6	20	37	65	0.85	85.38
5. Synthesis of various ceramic and MMC via powder metallurgy.	1	5	18	41	65	0.88	88.08
20ME203 FLUID MECHANICS AND HYDRAULIC MACHINES LABORATORY							
1. Verify the Bernoulli's theorem for incompressible flows.	7	8	15	35	65	0.80	80.00
2. Determine the co-efficient of discharge for a flow measuring devices like Venturimeter	5	5	19	36	65	0.83	83.08
3. Determine the co-efficient of vanes like flat and curved vanes.	2	4	24	35	65	0.85	85.38
4. Determine the performance and draw operating characteristic curves for Pelton wheel,	3	8	16	38	65	0.84	84.23
5. Determine the loss of head in pipe lines due to friction, sudden contraction,	1	5	21	38	65	0.87	86.92
20ME204 3-D MODELING LABORATORY							
1. Identify of different types of bolts, nuts, welding joints screw threads, keys and	4	9	14	38	65	0.83	83.08
2. Visualize and prepare detail drawing of a given object.	0	7	20	38	65	0.87	86.92
3. Draw details and assembly of mechanical systems.	2	5	17	41	65	0.87	87.31
4. Read and interpret given drawing.	1	8	14	42	65	0.87	87.31
5. Create 3-D models using any standard CAD software.	1	8	19	37	65	0.85	85.38
20ME601 DESIGN THINKING AND PRODUCT INNOVATION LABORATORY							
1. Grasp the fundamental capabilities in the methods used for practicing Design Thinking	6	7	21	31	65	0.80	79.62
2. Understand challenges and benefits of Design Thinking	1	7	23	34	65	0.85	84.62
3. Communicate clearly about Design Thinking	2	7	24	32	65	0.83	83.08
4. Innovate in multidisciplinary teams	2	8	23	32	65	0.83	82.69
5. Have a process and mindset suited to innovation and creative problem-solving	2	4	26	33	65	0.85	84.62
20CHE901 ENVIRONMENTAL SCIENCE							
1. Ability to understand the natural environment, its relationship with human activities and	7	7	23	28	65	0.78	77.69
2. The knowledge of various ecosystems and their importance along with the concepts of	4	9	23	29	65	0.80	79.62
3. Familiarity with biodiversity, its importance and the measures for the conservation of	4	9	26	26	65	0.78	78.46
4. The knowledge about the causes, effects and controlling methods for environmental	3	7	21	34	65	0.83	83.08
5. Awareness about the sustainable development, environmental ethics, social issues	2	9	19	35	65	0.83	83.46

Spec

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE

(UGC-AUTONOMOUS)

DEPARTMENT OF MECHANICAL ENGINEERING

Course Exit Survey

Programme: B.Tech

Year & Semester: III Year I Semester

A.Y: 2022-23

Below are given some fields specially related to course and effectiveness. You may indicate the extent to which you took advantage of the various learning points of the course. We consider your

1-To a very little extent

2-To a slight extent

3- To a moderate extent

4- To a Great extent

Course Outcomes: At the end of course, the student will be able to	Response rating				Total Responses	Attainment of Cos	
	1	2	3	4		Attainment of Cos	% of Attainment
20ME109 DESIGN OF MACHINE ELEMENTS					210		
1.Describe general design principles like design process, material selection and manufacturing considerations. Design for simple bending and torsional stresses.	44	39	59	68	210	0.68	67.98
2. Evaluate failure criteria for machine components subjected to static load and also	29	51	70	60	210	0.69	69.17
3.Design of bolted joints subjected to direct and eccentric loading. Design of knuckle joints.	30	35	75	70	210	0.72	72.02
4.Design of welded joints subjected to axial, bending and torsional loading. Design of	28	39	73	70	210	0.72	72.02
5.Design helical and leaf springs based on stress-deflection relations and fatigue loading.	33	40	67	70	210	0.71	70.71
20ME110 MANUFACTURING TECHNOLOGY-II							
1.Evaluate the cutting forces, power and specific energy and tool life in machining	36	46	70	58	210	0.68	67.86
2.Identify and select suitable machining operations for specific applications	31	38	71	70	210	0.71	71.43
3.Select an advanced machining process based on the effect of various process parameters	30	40	79	61	210	0.70	70.36
4.Evaluate cutting speed to minimize production cost and maximize production rate and	28	47	70	65	210	0.70	70.48
5.Understanding the basic concept of metrology and measurements instruments.	32	37	72	69	210	0.71	71.19
20ME111 HEAT TRANSFER							
1. Apply heat conduction equations to different surface configurations under steady state	51	37	56	66	210	0.66	66.31
2. Apply free and forced convective heat transfer correlations to internal and external flows	35	46	63	66	210	0.69	69.05
3. Explain the phenomena of boiling and condensation, apply LMTD and NTU methods of	34	46	57	73	210	0.70	70.12
4. Explain basic laws for Radiation and apply these principles to radiative heat transfer	38	46	52	74	210	0.69	69.29
5. Apply diffusive and convective mass transfer equations and correlations to solve	39	41	52	78	210	0.70	70.12
20ME401 PRODUCTION PLANNING AND CONTROL							
1. Interpret the role and importance of manufacturing planning & control system processes.	15	18	28	36	97	0.72	71.91
2. Demonstrate manufacturing planning & control system processes in industry.	7	20	31	39	97	0.76	76.29
3. Compare good manufacturing planning & control system processes in industry	11	22	28	36	97	0.73	72.94
4. Examine manufacturing planning & control system practices in industry	12	17	21	47	97	0.77	76.55
5. Understand the inventory control and its applications in manufacturing systems.	15	13	29	40	97	0.74	74.23
20ME406 FUNDAMENTALS OF AUTOMOTIVE ENGINEERING							
1. Recognize the various parts of the automobile and their functions and materials	29	18	35	31	113	0.65	65.04
2. Discuss the engine auxiliary systems and engine emission control	22	26	33	32	113	0.67	66.59
3. Distinguish the working of different types of transmission systems	19	18	45	31	113	0.69	69.47
4. Explain the Steering, Brakes and Suspension Systems.	24	17	35	37	113	0.69	68.81

5. Predict possible alternate sources of energy for IC Engines.	24	18	33	38	113	0.69	68.81
20ME208 MANUFACTURING TECHNOLOGY-II LABORATORY							
1. Handle different machine tools and perform different operations.	49	26	59	76	210	0.69	69.29
2. Explain the field of application and working of various machines	28	45	56	81	210	0.73	72.62
3. Differentiate conventional machines with CNC machines.	28	32	76	74	210	0.73	73.33
4. Fabricate various mechanical components by using different operations.	29	37	67	77	210	0.73	72.86
5. Understand the importance of surface finishing and material removal rate	33	35	66	76	210	0.72	72.02
20ME209 THERMAL ENGINEERING LABORATORY							
1. Calculate the performance of internal combustion engines and air compressor	51	36	54	69	210	0.67	66.79
2. Draw and analyze performance curves of these machines and system	26	45	69	70	210	0.72	71.79
3. Evaluate the volumetric efficiency of two stage reciprocating compressor	29	40	72	69	210	0.72	71.55
4. Gain knowledge on various modes of heat transfer and determine thermal conductivity,	32	39	71	68	210	0.71	70.83
5. Determine heat transfer coefficient and critical heat flux in two phase heat transfer,	33	38	62	77	210	0.72	71.79
20CE901 DISASTER MANAGEMENT							
1. Explain various disaster concepts	50	35	62	63	210	0.66	66.43
2. Differentiate between categories of disasters	31	35	72	72	210	0.72	72.02
3. Analyze impact of various types of disasters	29	37	78	66	210	0.72	71.55
4. Select disaster risk mitigation measures	32	42	67	69	210	0.71	70.60
5. Identify the impact of development activities	32	41	68	69	210	0.71	70.71
Skill Oriented Course – III							
1. Draw basic 3D rigid bodies (Links) in CAD software.	50	26	61	73	210	0.69	68.69
2. Create simple mechanisms by applying kinematic pair constraints to the links.	34	39	65	72	210	0.71	70.83
3. Model gear tooth profiles.	31	36	66	77	210	0.73	72.50
4. Create simulations (animations) of motion of mechanisms.	36	36	64	74	210	0.71	70.95
5. To understand kinematics and dynamics of machines through simulation.	38	25	69	78	210	0.72	72.26

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Head of the Department
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MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
(UGC-AUTONOMOUS)
DEPARTMENT OF MECHANICAL ENGINEERING
Course Exit Survey

Programme: B.Tech

Year & Semester: IV Year I Semester

A.Y: 2022-23

Below are given some fields specially related to course and effectiveness. You may indicate the extent to which you took advantage of the various learning points of the course. We consider your response highly valuable. You may rate your response as follows on a four point scale. tick mark against your option

1-To a very little extent

2-To a slight extent

3- To a moderate extent

4- To a Great extent

Course Outcomes: At the end of course, the student will be able to	Response rating				Total Responses	Attainment of Cos	
	1	2	3	4		Attainment of Cos	% of Attainment
18ME115 Engineering Metrology and Measurements					190		
1. Apply the knowledge for part design by providing fits and tolerance	52	22	46	70	190	0.68	67.63
2. Choose instruments to inspect engineering parts by various gauges like plug, ring gauge etc	29	34	67	60	190	0.71	70.79
3. Apply the instruments to measure flatness of components by contact and non-contact optical measuring instruments	27	38	62	63	190	0.71	71.18
4. Choose appropriate instruments to measure surface roughness and measure using comparators	29	33	60	68	190	0.72	71.97
5. Apply the knowledge to measure the profile gear, thread, angle. optimization of machining process parameters.	28	34	53	75	190	0.73	73.03
18ME116 Machine Learning for Mechanical Engineering							
1. Import various available datasets and determine the statistical parameters of the data	51	29	54	56	190	0.65	65.13
2. The students will also be able to clean and normalize the data and present the data using various visual techniques	30	37	63	60	190	0.70	70.13
3. Choose one or more predictor variable(s) and one outcome variable. The students will also be able to apply Logistic regression to predict the outcome variable	38	27	61	64	190	0.70	69.87
4. Apply the KNN techniques for classification and classify new cases based on a similarity measure	28	39	58	65	190	0.71	71.05
5. Apply support vector machine algorithm for classification and regression problems	29	34	65	62	190	0.71	71.05
6. Understand different Machine Learning problems deeply enough to select the best performing algorithm and also	26	44	55	65	190	0.71	70.92
18ME211 THERMAL ENGINEERING LABORATORY							
1. Draw Valve/Port timing diagrams and estimate the various performance parameters for two stroke and four stroke IC engines	53	28	43	66	190	0.66	66.05
2. Estimate the energy losses due to heat lost to various engine components.	30	32	56	72	190	0.72	72.37
3. Conduct performance test on Air compressors	31	30	65	64	190	0.71	71.32
4. Describe various types of boilers used in steam power plants	32	29	58	71	190	0.72	72.11
5. Describe the basic systems of IC engines such as fuel supply system, ignition system, cooling system etc.	29	34	59	68	190	0.72	71.84
18ME212 CAE LABORATORY							
1. Basic Structural Analysis Problems.	46	29	53	62	190	0.67	67.24
2. Basic Thermal Analysis Problems	25	37	62	66	190	0.72	72.24
3. Basic Vibration Analysis Problems	33	28	59	70	190	0.72	71.84
4. Basic Buckling Analysis Problems	29	30	58	73	190	0.73	73.03
5. Basic Contact Analysis Problems	29	32	55	74	190	0.73	72.89
DE IV 18ME411 FUNDAMENTALS OF AUTOMOBILE ENGINEERING							

1. Grasp the basic engine terminologies	20	3	6	20	49	0.63	63.27
2. Describe SI and CI engine system application in automobiles.	16	2	10	21	49	0.68	68.37
3. Differentiate the fuel dynamics for SI and CI engines and define the key terms such as carburetion, injection, stoichiometry	13	3	11	22	49	0.71	71.43
4. To design combustion chambers for SI /CI engines with reference to variable compression ratios	13	7	9	20	49	0.68	68.37
5. Analyze the combustion phenomenon within the combustion chamber and Determine the combustion behavior in SI	14	5	11	19	49	0.68	67.86
DE IV 18ME414 NON DESTRUCTIVE TESTING							
1. Know the different surface NDE techniques which enables to carry out various inspection	13	3	12	17	45	0.68	68.33
2. Perform inspection of samples and identify the defects using Thermography and Eddy current testing	6	4	17	18	45	0.76	76.11
3. Understand basic knowledge of ultrasonic testing which enables them to perform inspection of samples	8	3	19	15	45	0.73	72.78
4. Differentiate various defect types and characterize them using radiography	6	5	16	18	45	0.76	75.56
5. Understand the recent developments in NDE and their application in various industries	7	4	16	18	45	0.75	75.00
DE IV 18ME415 Total Quality Management							
1. Understand the various principles and practices of TQM to achieve quality.	15	10	30	41	96	0.75	75.26
2. Identify the various statistical approaches for Total Quality Control.	10	14	34	38	96	0.76	76.04
3. Demonstrate the TQM tools for continuous process improvement.	12	11	29	44	96	0.77	77.34
4. Adopt the importance of ISO and Quality systems.	12	13	29	42	96	0.76	76.30
5. Make use of the concepts of TQM to solve case studies	10	10	30	46	96	0.79	79.17
DE V 18ME418 Design and Manufacture of Composites							
1. Classify the various matrix material and reinforcements for polymer matrix composites, MMC and ceramic matrix	4	7	12	15	38	0.75	75.00
2. Developing the knowledge on processing, interfacial properties, and application of composites.	4	8	14	12	38	0.72	72.37
3. To get the thorough knowledge on manufacturing of polymer matrix composites.	5	5	17	11	38	0.72	72.37
4. Understanding the fabrication process of metal matrix composites.	4	4	16	14	38	0.76	76.32
5. Summarizing the various fabrication process of ceramic matrix composites.	4	6	14	14	38	0.75	75.00
DE V 18ME420 Operations Research							
1. Understand the concept of O.R and application for optimization using L.P model.	12	5	7	26	50	0.74	73.50
2. Apply different methods to solve transporting of materials at lowest cost and validate the methods.	11	5	9	25	50	0.74	74.00
3. Solve the problems connected with sequencing and scheduling of number of jobs.	8	7	8	27	50	0.77	77.00
4. Understand and solve problem to reduce waiting time at various stations	9	4	12	25	50	0.77	76.50
5. Apply knowledge in project management to reduce the project time by employing PERT and CPM techniques.	9	6	8	27	50	0.77	76.50
DE V 18ME419 Design of Power Plant Systems							
1. Know various types of power plants to be used for power generation.	3	1	1	3	8	0.63	62.50
2. Know various types of steam generators.	0	3	3	2	8	0.72	71.88
3. Know various types of steam turbines.	1	3	2	2	8	0.66	65.63
4. Type of fuel used for respective power plant, what exactly a stoker is, and how does it work.	1	2	4	1	8	0.66	65.63
5. The student should be able to know the different factors that may affect power plant economies, economic loading, and	0	2	5	1	8	0.72	71.88


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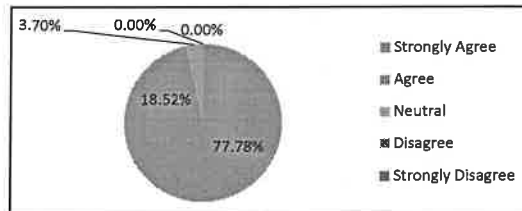
DEPARTMENT OF MECHANICAL ENGINEERING

Faculty Feedback on Curriculum, Teaching & Learning from for A.Y. 2022-23

Total N.o of Responses: 27

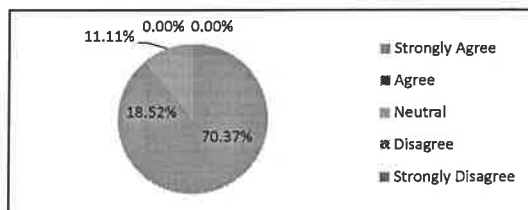
1 The curriculum has been updated from time to time.

	Count	Percentage
Strongly Agree	21	77.78%
Agree	5	18.52%
Neutral	1	3.70%
Disagree	0	0.00%
Strongly Disagree	0	0.00%



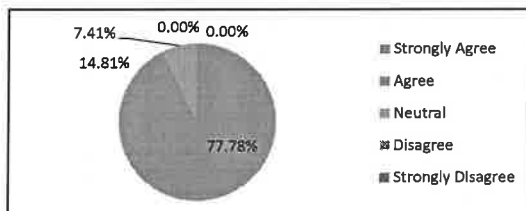
2 The system followed by the college for the design and development of curriculum is effective.

	Count	Percentage
Strongly Agree	19	70.37%
Agree	5	18.52%
Neutral	3	11.11%
Disagree	0	0.00%
Strongly Disagree	0	0.00%



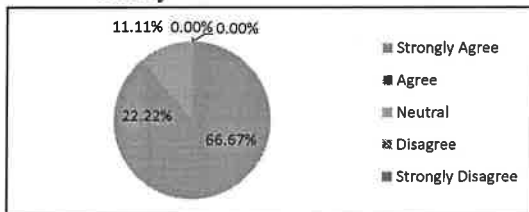
3 Employability skills are given weightage in curriculum design and development.

	Count	Percentage
Strongly Agree	21	77.78%
Agree	4	14.81%
Neutral	2	7.41%
Disagree	0	0.00%
Strongly Disagree	0	0.00%



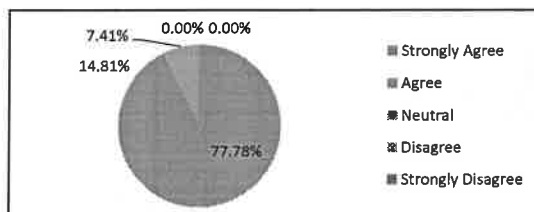
4 Sufficient number of prescribed books are available in the library

	Count	Percentage
Strongly Agree	18	66.67%
Agree	6	22.22%
Neutral	3	11.11%
Disagree	0	0.00%
Strongly Disagree	0	0.00%



5 I have freedom to adopt modern ICT Tools & Techniques for effective course delivery

	Count	Percentage
Strongly Agree	21	77.78%
Agree	4	14.81%
Neutral	2	7.41%
Disagree	0	0.00%
Strongly Disagree	0	0.00%





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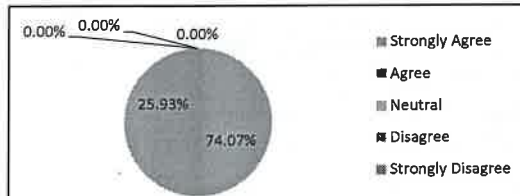
DEPARTMENT OF MECHANICAL ENGINEERING

Faculty Feedback on Curriculum, Teaching & Learning from for A.Y. 2022-23

Total N.o of Responses: 27

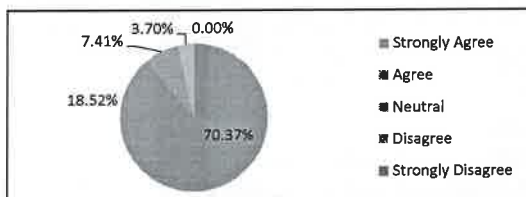
6 The books prescribed/listed as reference materials are relevant, updated and appropriate

	Count	Percentage
Strongly Agree	20	74.07%
Agree	7	25.93%
Neutral	0	0.00%
Disagree	0	0.00%
Strongly Disagree	0	0.00%



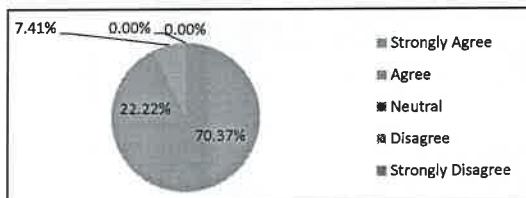
7 Board of studies is actively involving to ensure the relevance of the programme offered in the department.

	Count	Percentage
Strongly Agree	19	70.37%
Agree	5	18.52%
Neutral	2	7.41%
Disagree	1	3.70%
Strongly Disagree	0	0.00%



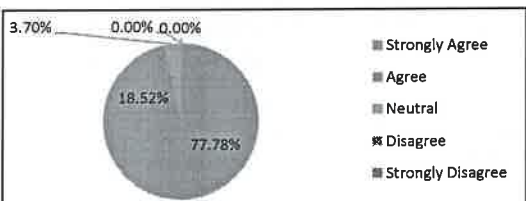
8 Representation from industry in Boards of studies is helpful in designing and improving the syllabi based on latest technological evolution

	Count	Percentage
Strongly Agree	19	70.37%
Agree	6	22.22%
Neutral	2	7.41%
Disagree	0	0.00%
Strongly Disagree	0	0.00%



9 I am given enough freedom to contribute my ideas on curriculum design and development.

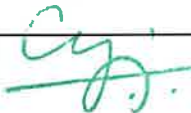
	Count	Percentage
Strongly Agree	21	77.78%
Agree	5	18.52%
Neutral	1	3.70%
Disagree	0	0.00%
Strongly Disagree	0	0.00%




Signature of the Co-Ordinator


HOD / ME

Head of the Department
Mechanical Engineering
Madanapalle Institute of Technology & Science
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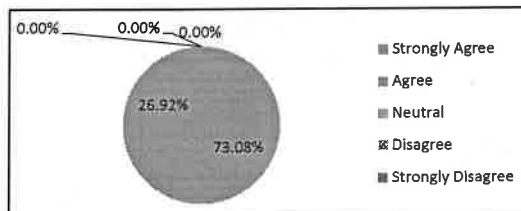
DEPARTMENT OF MECHANICAL ENGINEERING

Faculty Feedback on Teaching, Learning, Evaluation & Research for A.Y. 2022-23

Total N.o of Responses: 26

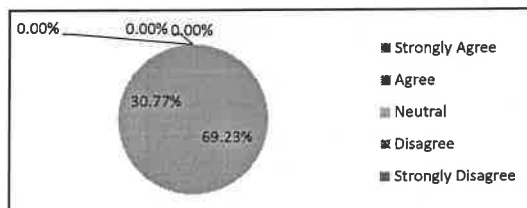
1 The College is able to attract meritorious students

	Count	Percentage
Strongly Agree	19	73.08%
Agree	7	26.92%
Neutral	0	0.00%
Disagree	0	0.00%
Strongly Disagree	0	0.00%



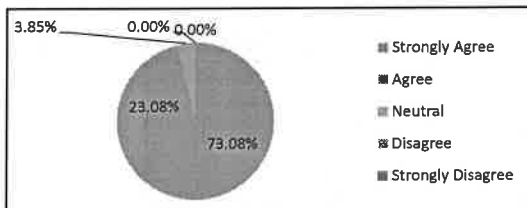
2 Student-centered learning resources are available in the college

	Count	Percentage
Strongly Agree	18	69.23%
Agree	8	30.77%
Neutral	0	0.00%
Disagree	0	0.00%
Strongly Disagree	0	0.00%



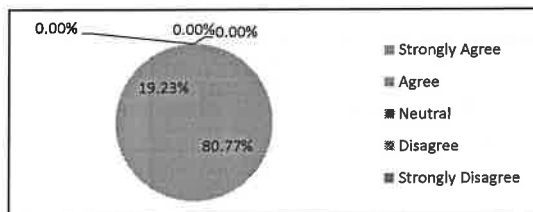
3 The Central Library and Department Library are major sources of information

	Count	Percentage
Strongly Agree	19	73.08%
Agree	6	23.08%
Neutral	1	3.85%
Disagree	0	0.00%
Strongly Disagree	0	0.00%



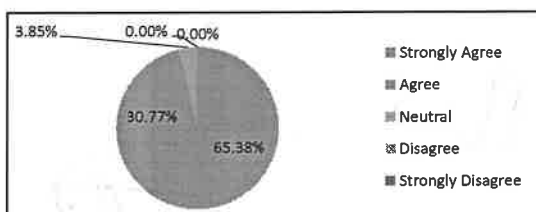
4 The timings of the Library are convenient

	Count	Percentage
Strongly Agree	21	80.77%
Agree	5	19.23%
Neutral	0	0.00%
Disagree	0	0.00%
Strongly Disagree	0	0.00%



5 The procedure followed for acquiring new books, journals, and periodicals is appreciable

	Count	Percentage
Strongly Agree	17	65.38%
Agree	8	30.77%
Neutral	1	3.85%
Disagree	0	0.00%
Strongly Disagree	0	0.00%





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NBA Accredited - B.Tech. (CIVIL, CSE, ECE, EEE, MECH, CST), MBA & MCA



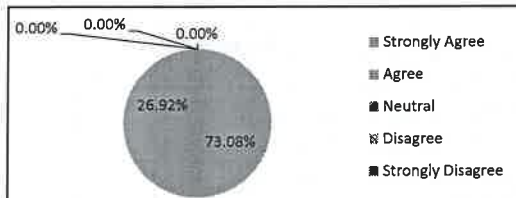
DEPARTMENT OF MECHANICAL ENGINEERING

Faculty Feedback on Teaching, Learning, Evaluation & Research for A.Y. 2022-23

Total N.o of Responses: 26

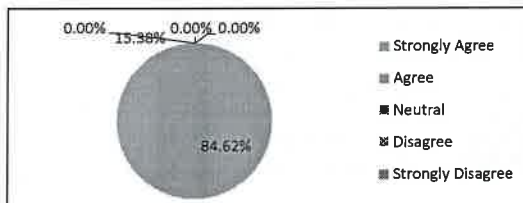
6 The faculty are supported with adequate learning resources

	Count	Percentage
Strongly Agree	19	73.08%
Agree	7	26.92%
Neutral	0	0.00%
Disagree	0	0.00%
Strongly Disagree	0	0.00%



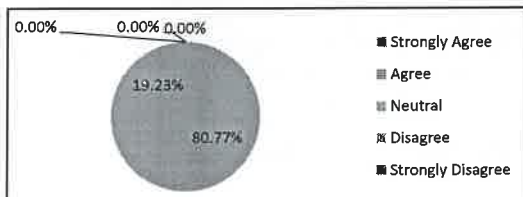
7 The faculty are encouraged to organize and participate in seminars, conferences, workshops, and Faculty Development Programmes

	Count	Percentage
Strongly Agree	22	84.62%
Agree	4	15.38%
Neutral	0	0.00%
Disagree	0	0.00%
Strongly Disagree	0	0.00%



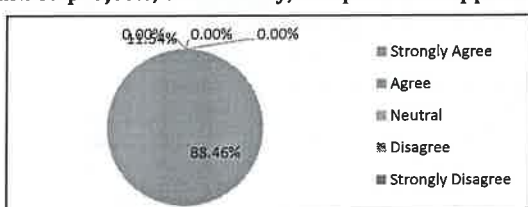
8 The evaluation system followed by the college is effective

	Count	Percentage
Strongly Agree	21	80.77%
Agree	5	19.23%
Neutral	0	0.00%
Disagree	0	0.00%
Strongly Disagree	0	0.00%



9 The incentive scheme offered for publications, funded projects, consultancy, and patents is appreciable

	Count	Percentage
Strongly Agree	23	88.46%
Agree	3	11.54%
Neutral	0	0.00%
Disagree	0	0.00%
Strongly Disagree	0	0.00%



Signature of the Co-Ordinator

PRINCIPAL
Madanapalle Institute of
Technology & Science
MADANAPALLE

HOD / ME
Head of the Department
Mechanical Engineering
Madanapalle Institute of Technology & Science
MADANAPALLE - 517 325



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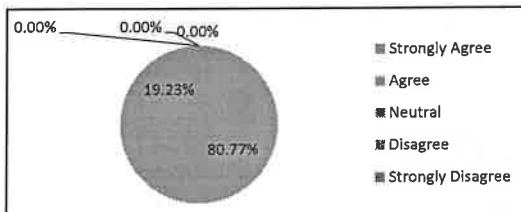
DEPARTMENT OF MECHANICAL ENGINEERING

Faculty Feedback on INFRASTRUCTURE for A. Y. 2022-23

Total N.o of Responses: 26

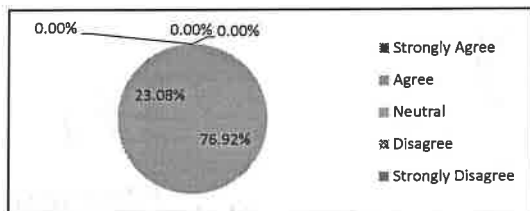
1 The classrooms and furniture available are adequate

	Count	Percentage
Strongly Agree	21	80.77%
Agree	5	19.23%
Neutral	0	0.00%
Disagree	0	0.00%
Strongly Disagree	0	0.00%



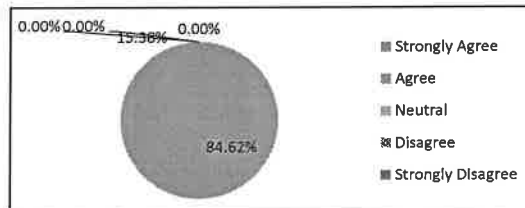
2 The buildings and furniture are well maintained

	Count	Percentage
Strongly Agree	20	76.92%
Agree	6	23.08%
Neutral	0	0.00%
Disagree	0	0.00%
Strongly Disagree	0	0.00%



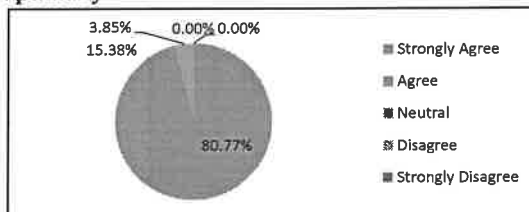
3 The labs are adequately equipped (wherever applicable)

	Count	Percentage
Strongly Agree	22	84.62%
Agree	4	15.38%
Neutral	0	0.00%
Disagree	0	0.00%
Strongly Disagree	0	0.00%



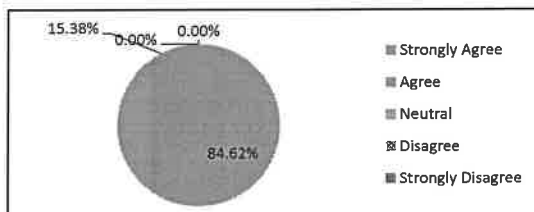
4 The infrastructure available in the department is optimally used

	Count	Percentage
Strongly Agree	21	80.77%
Agree	4	15.38%
Neutral	1	3.85%
Disagree	0	0.00%
Strongly Disagree	0	0.00%



5 Safe drinking water is available

	Count	Percentage
Strongly Agree	22	84.62%
Agree	4	15.38%
Neutral	0	0.00%
Disagree	0	0.00%
Strongly Disagree	0	0.00%





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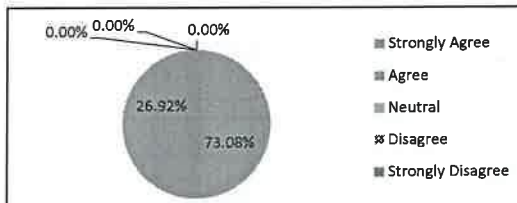
DEPARTMENT OF MECHANICAL ENGINEERING

Faculty Feedback on INFRASTRUCTURE for A. Y. 2022-23

Total N.o of Responses: 26

6 Sports and games facilities are adequate

	Count	Percentage
Strongly Agree	19	73.08%
Agree	7	26.92%
Neutral	0	0.00%
Disagree	0	0.00%
Strongly Disagree	0	0.00%



Signature of the Co-Ordinator

PRINCIPAL
Madanapalle Institute of
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MADANAPALLE

Head of the Department
Mechanical Engineering
Madanapalle Institute of Technology & Science
MADANAPALLE - 517 325



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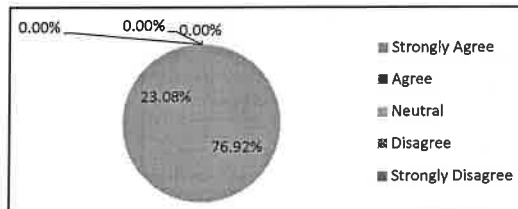
DEPARTMENT OF MECHANICAL ENGINEERING

Faculty Feedback on GOVERNANCE for A.Y. 2022-23

Total N.o of Responses: 26

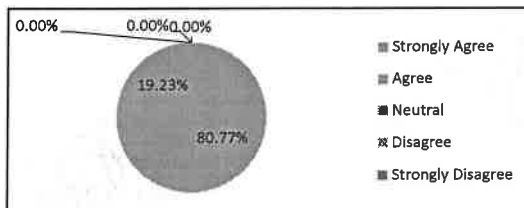
1 The MoUs entered by the college enhance the scope for mutual cooperation with Institutions and Research Organizations of repute.

	Count	Percentage
Strongly Agree	20	76.92%
Agree	6	23.08%
Neutral	0	0.00%
Disagree	0	0.00%
Strongly Disagree	0	0.00%



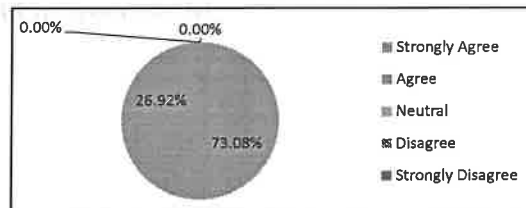
2 The administration is sincerely putting efforts for the development of the institution.

	Count	Percentage
Strongly Agree	21	80.77%
Agree	5	19.23%
Neutral	0	0.00%
Disagree	0	0.00%
Strongly Disagree	0	0.00%



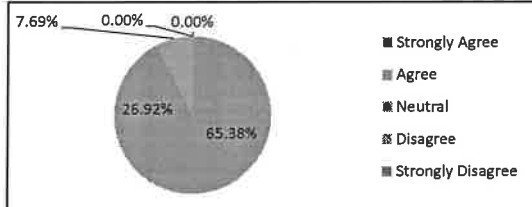
3 The quality initiatives taken up during the last academic year are contributing to improvement

	Count	Percentage
Strongly Agree	19	73.08%
Agree	7	26.92%
Neutral	0	0.00%
Disagree	0	0.00%
Strongly Disagree	0	0.00%



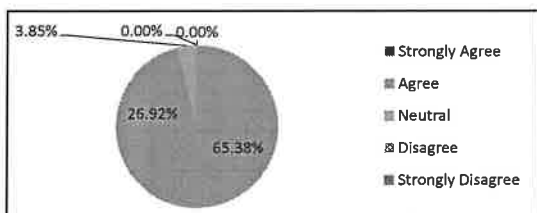
4 The IQAC is working well for promoting quality in the institution

	Count	Percentage
Strongly Agree	17	65.38%
Agree	7	26.92%
Neutral	2	7.69%
Disagree	0	0.00%
Strongly Disagree	0	0.00%



5 The faculties are given the freedom to express their opinions

	Count	Percentage
Strongly Agree	17	65.38%
Agree	7	26.92%
Neutral	1	3.85%
Disagree	0	0.00%
Strongly Disagree	0	0.00%





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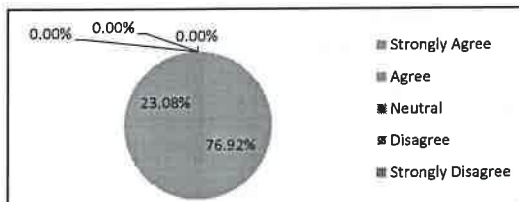
DEPARTMENT OF MECHANICAL ENGINEERING

Faculty Feedback on GOVERNANCE for A.Y. 2022-23

Total N.o of Responses: 26

6 The administrative team is accessible

	Count	Percentage
Strongly Agree	20	76.92%
Agree	6	23.08%
Neutral	0	0.00%
Disagree	0	0.00%
Strongly Disagree	0	0.00%



Signature of the Co-ordinator

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Head of the Department
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DEPARTMENT OF MECHANICAL ENGINEERING

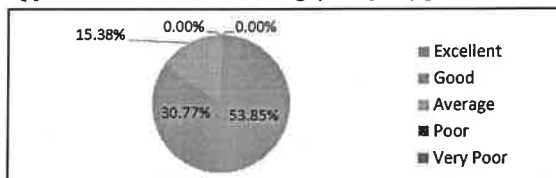
Employer / Supervisor Survey for A.Y. 2022 - 23

Total N.o of Responses:

13

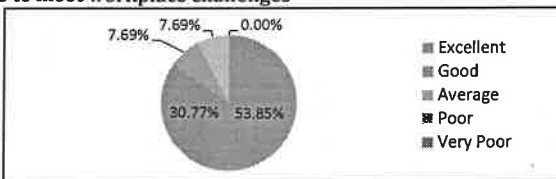
1 Level of understanding of the Engineering principles and application of the same in design/analysis / problem

Syllabus	Count	Percentage
Excellent	7	53.85%
Good	4	30.77%
Average	2	15.38%
Poor	0	0.00%
Very Poor	0	0.00%



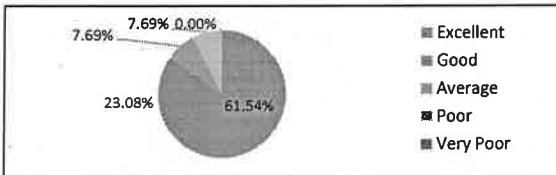
2 Willingness to learn new technology and adopt new ideas to meet workplace challenges

	Count	Percentage
Excellent	7	53.85%
Good	4	30.77%
Average	1	7.69%
Poor	1	7.69%
Very Poor	0	0.00%



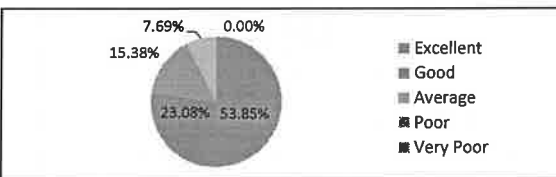
3 Ability to work with a team

	Count	Percentage
Excellent	8	61.54%
Good	3	23.08%
Average	1	7.69%
Poor	1	7.69%
Very Poor	0	0.00%



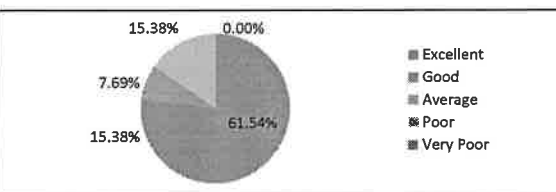
4 Verbal & Written communication skills

	Count	Percentage
Excellent	7	53.85%
Good	3	23.08%
Average	2	15.38%
Poor	1	7.69%
Very Poor	0	0.00%



5 Ability to take independent decisions

	Count	Percentage
Excellent	8	61.54%
Good	2	15.38%
Average	1	7.69%
Poor	2	15.38%
Very Poor	0	0.00%





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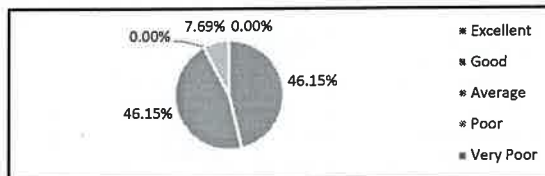
DEPARTMENT OF MECHANICAL ENGINEERING

Employer / Supervisor Survey for A.Y. 2022 - 23

Total N.o of Responses: 13

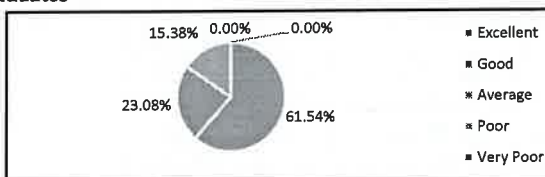
6 Inclination towards needs of the society

	Count	Percentage
Excellent	6	46.15%
Good	6	46.15%
Average	0	0.00%
Poor	1	7.69%
Very Poor	0	0.00%



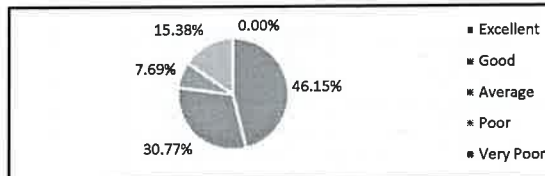
7 Your overall satisfaction with the performance of our graduates

	Count	Percentage
Excellent	8	61.54%
Good	3	23.08%
Average	2	15.38%
Poor	0	0.00%
Very Poor	0	0.00%



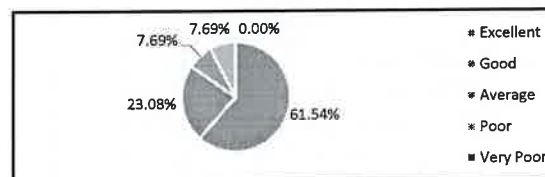
8 Respect for Human Values & Ethics

	Count	Percentage
Excellent	6	46.15%
Good	4	30.77%
Average	1	7.69%
Poor	2	15.38%
Very Poor	0	0.00%



9 Leadership/Managerial Skills

	Count	Percentage
Excellent	8	61.54%
Good	3	23.08%
Average	1	7.69%
Poor	1	7.69%
Very Poor	0	0.00%



10 Provide Observations / Suggestions to Improve

Signature of Co-Ordinator

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Madanapalle Institute of
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MADANAPALLE

Head of the Department
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Madanapalle Institute of Technology & Science
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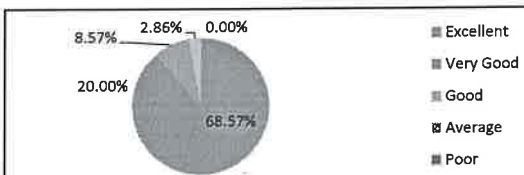
DEPARTMENT OF MECHANICAL ENGINEERING

Parents Feedback on Curriculum, Teaching & Learning for A.Y. 2022-23

Total N.o of Responses: 35

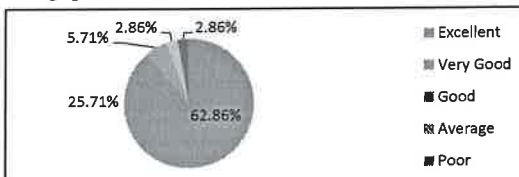
1 Rate the events participated by your ward such as Guest Lectures/ Workshops/Seminars/Webinars to enrich the Curriculum

	Count	Percentage
Excellent	24	68.57%
Very Good	7	20.00%
Good	3	8.57%
Average	1	2.86%
Poor	0	0.00%



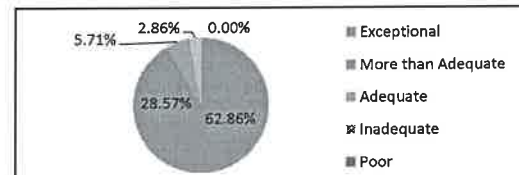
2 Rate the Internship undergone by your ward to fill the gap in the curriculum.

	Count	Percentage
Excellent	22	62.86%
Very Good	9	25.71%
Good	2	5.71%
Average	1	2.86%
Poor	1	2.86%



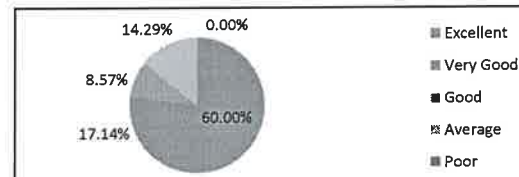
3 Rate the Industrial visits undergone by your ward to enrich the curriculum.

	Count	Percentage
Exceptional	22	62.86%
More than Adequate	10	28.57%
Adequate	2	5.71%
Inadequate	1	2.86%
Poor	0	0.00%



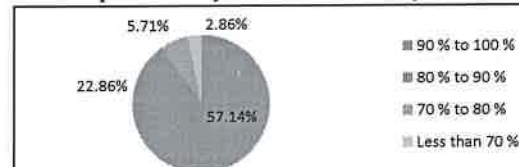
4 Rate the MOUs linked with Industry

	Count	Percentage
Excellent	21	60.00%
Very Good	6	17.14%
Good	3	8.57%
Average	5	14.29%
Poor	0	0.00%



5 Rate the Additional courses / Training / Certificate Courses provided by the Institution to your ward

	Count	Percentage
90 % to 100 %	20	57.14%
80 % to 90 %	8	22.86%
70 % to 80 %	2	5.71%
Less than 70 %	1	2.86%



6. Provide Observations / Suggestions to improve:

Signature of the Co-Ordinator

[Signature]

HOD / ME

[Signature]

PRINCIPAL
Madanapalle Institute of
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