



MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
(UGC-AUTONOMOUS)



Affiliated to JNTUA, Ananthapuramu & Approved by AICTE, NewDelhi
Recognised Research Center, Accredited by NAAC, NBA for CSE, ECE, EEE, ME & MBA
World Bank funded Institute, Recognised by UGC under the sections 2(f) and 12(B) of the UGC act 1956
Recognised as Scientific & Industrial Research Organization by DSIR of DST

Department of Mechanical Engineering

Date: April 4th 2021

Action taken report on the basis of the feedback collected.

A.Y: 2020-21

S.No.	Feedback	Action taken
1	Need to establish new laboratories in the Mechanical engineering which meet the industry requirement.	To provide knowledge on 3D printing, NC lathe operations, etc. new labs like advanced manufacturing Laboratory and robotics Laboratory included in the curriculum to meet the industry requirement.
2	Communication skills need to be improved	English Communication – Listening & Speaking Laboratory included in the curriculum.
3	Facing problem in technical round in the placements	It is planned to conduct mock interview in the department with the help of faculty to improve the technical skills of the students. Further, it is planned to provide special classes on technical skills.
4	Required more exposer on higher education opportunities in abroad.	It is planned to arrange alumni interaction sessions on higher education opportunities in India and abroad.
5	Need to focus on training on GATE exam	GATE classes are planning to arrange to focus more GATE exam.
6	Need to update the Engineering workshop laboratory	It is planned to include few new trades like metrology, composite material sample preparation, 3D printing, etc. in the Engineering workshop laboratory.
7	Need training on Mechanical Engineering design softwares.	IT is planned to provide training on CATIA and solid edge using APPSDL Dessalt systems.
8.	Need to add courses on recent technologies such as AI and machine learning.	Courses like Internet of Manufacturing Things and Machine Learning for Mechanical Engineering have been added in the curriculum.

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MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
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DEPARTMENT OF MECHANICAL ENGINEERING

Graduate Exit Survey 2020-21 Passed out

Programme: B.Tech.

Branch : Mechanical Engineering

Below are given some fields specifically related to the graduate attributes. You may indicate the extent to which these graduate attributes of the Program were advantage in solving real life challenges faced in outside world. We consider your response highly valuable. You may refer your response as follows on a five point scale. Tick mark against your option.

Number of respondents

<http://www.quia.com/sv/994884.html>

70

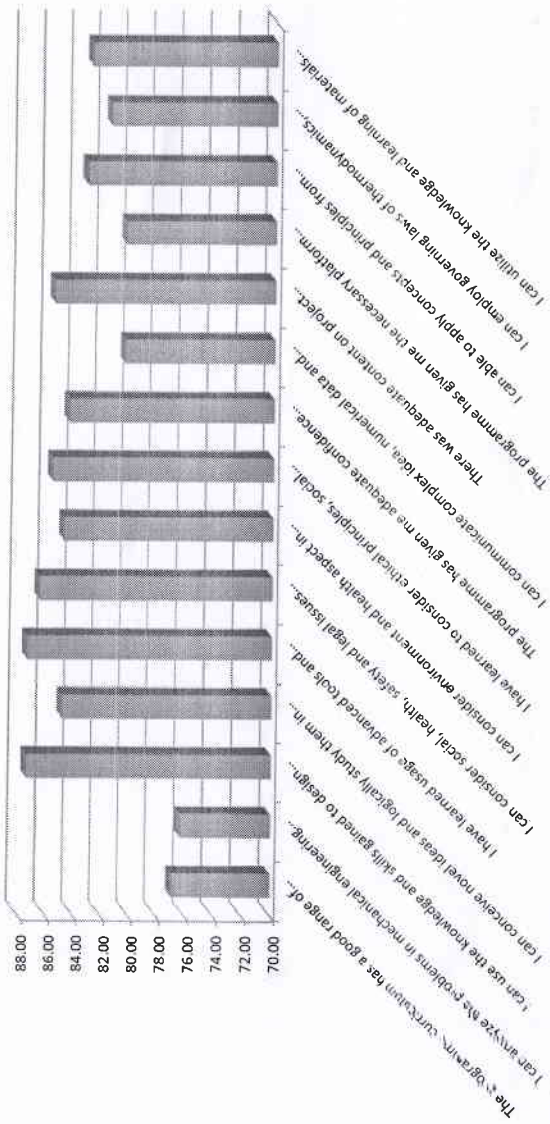
	Response Tallies and Percentages					Attainment	% of Attainment
	[1]	[2]	[3]	[4]	[5]		
	5-To a Great Extent 4-To Some Extent 3-Neutral 2-To a Slight Extent 1-To a Very little Extent						
	Graduate Exit Survey 2020-21						
	The program curriculum has a good range of content/topics which are covered to an adequate depth such that I am confident about effectively using that knowledge.						
1	4	13	8	10	35	0.77	76.86
	I can analyze the problems in mechanical engineering using a systematic approach.						
2	2	16	7	13	32	0.76	76.29
	I can use the knowledge and skills gained to design mechanical components for given specifications.						
3	1	2	10	14	43	0.87	87.43
	I can come up with novel ideas and logically study them in order to provide new and/or improved designs						
4	1	5	9	16	39	0.85	84.86
	I have learned the usage of advanced tools and techniques for effective completion of work related tasks						
5	1	5	4	17	43	0.87	87.43
	I can consider social, health, safety and legal issues encountered in engineering practice						
6	1	4	7	17	41	0.87	86.57
	I can consider environment and health aspect in engineering activities						
7	1	6	8	15	40	0.85	84.86
	I have learned to consider ethical principles, social responsibilities and standard norms in decision making						
8	2	4	9	12	43	0.86	85.71
	The program has given me adequate confidence to work in multidisciplinary and collaborative environment.						
9	4	5	5	13	43	0.85	84.57
	I can communicate a complex idea, numerical data and quantitative evidence through effective technical presentations etc.						
10	2	8	9	18	33	0.81	80.57
	There is adequate content on project management, finances and related issues in the programme that I feel confident on addressing these issues						
11	2	4	8	14	42	0.86	85.71
	The programme has given me the necessary platform to engage in lifelong learning and keep up to date with the technological developments.						
12	2	8	9	18	33	0.81	80.57
	I can apply concepts and principles from Applied Mechanics to design, develop and evaluate mechanical systems for a specified purpose.						
13	2	6	7	18	37	0.83	83.43
	I can employ governing laws of thermodynamics, fluid flow and heat transfer for design and analysis of thermofluid systems.						
14	1	8	10	16	35	0.82	81.71
	I can utilize the knowledge and learning of materials and manufacturing sciences to design, plan and monitor production operations in an industry.						
15	0	8	10	15	37	0.83	83.14



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GES 2020-21



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MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
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DEPARTMENT OF MECHANICAL ENGINEERING

Alumni Survey 2020-21 Passed out

Programme: **B. Tech.**

Branch: **Mechanical Engineering**

Below are given some fields specifically related to the graduate attributes. You may indicate the extent to which these graduate attributes of the Program were advantage in solving real life challenges faced in outside world
We consider your response highly valuable.

You may rate your response as follows on a five point scale. Tick mark against your option.

<https://www.quia.com/sv/1152380.html>

Number of respondents

45

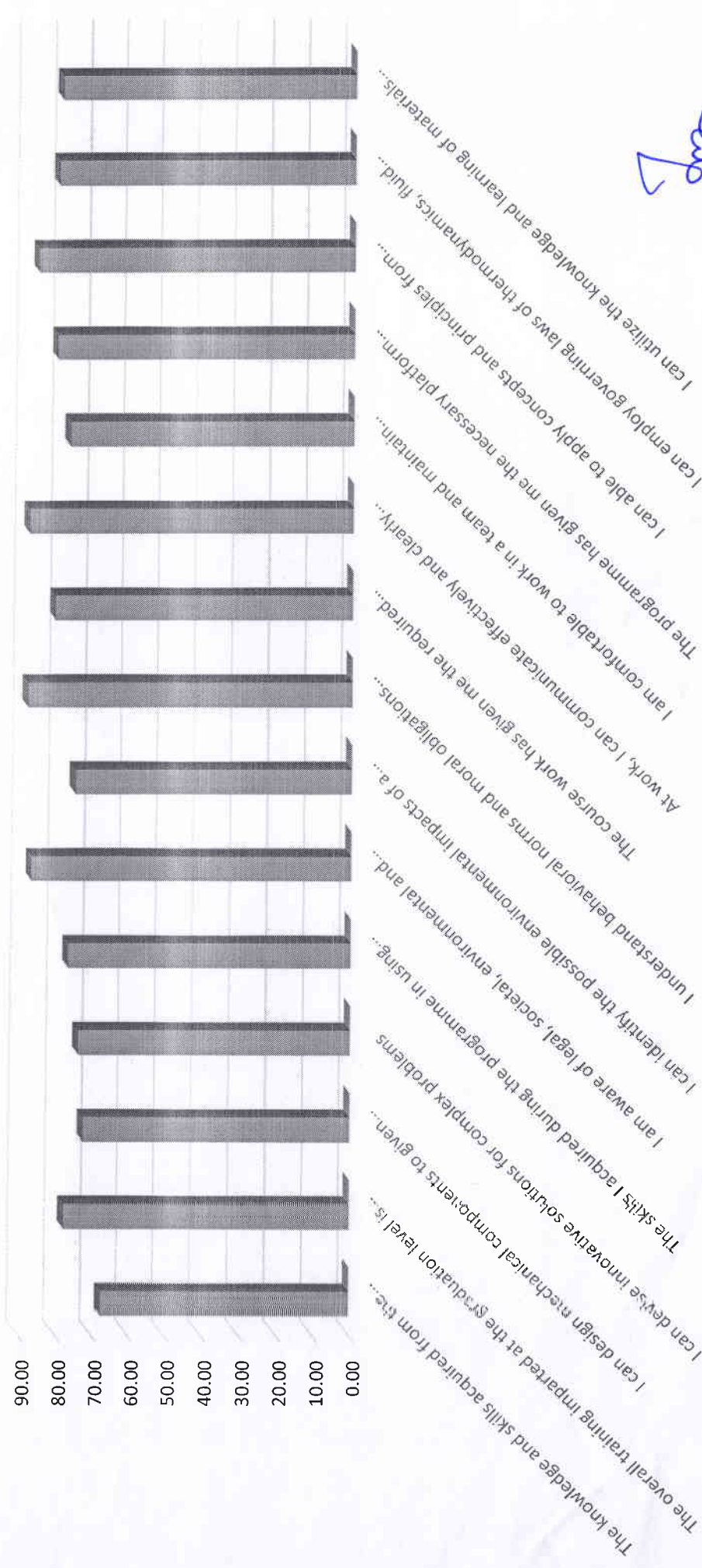
	Response Tallies and Percentages					Attainment	% of Attainment
	[1]	[2]	[3]	[4]	[5]		
Alumni Survey 2020-21 Passed out							
1		2	5	5	31	0.87	87.11
2		1	7	7	29	0.88	87.56
3		1	8	9	26	0.86	85.78
4		1	2	7	11	0.84	84.44
5		1	4	8	6	0.83	83.11
6		0	2	12	6	0.84	84.00
7		2	2	8	8	0.83	83.11
8		2	1	5	5	0.88	88.44
9		1	2	5	7	0.88	88.00
10		1	1	5	6	0.90	89.78
11		1	3	9	7	0.83	83.11
12		3	1	7	8	0.84	83.56
13		1	1	14	6	0.82	81.78
14		1	2	5	6	0.88	88.44
15		1	3	4	8	0.87	87.11

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Alumni Survey 2020-21 Passed out



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Employer Survey 2020-21 Pass out

Programme: **B.Tech.**

Branch : **Mechanical Engineering**

Below are given some fields specifically related to the graduate attributes. You may indicate the extent to which these graduate attributes of the Program were advantage in solving real life challenges in industry

We consider your response highly valuable.


You may rate your response as follows on a five point scale. Tick mark against your option.

<http://www.quia.com/sv/994883.html>

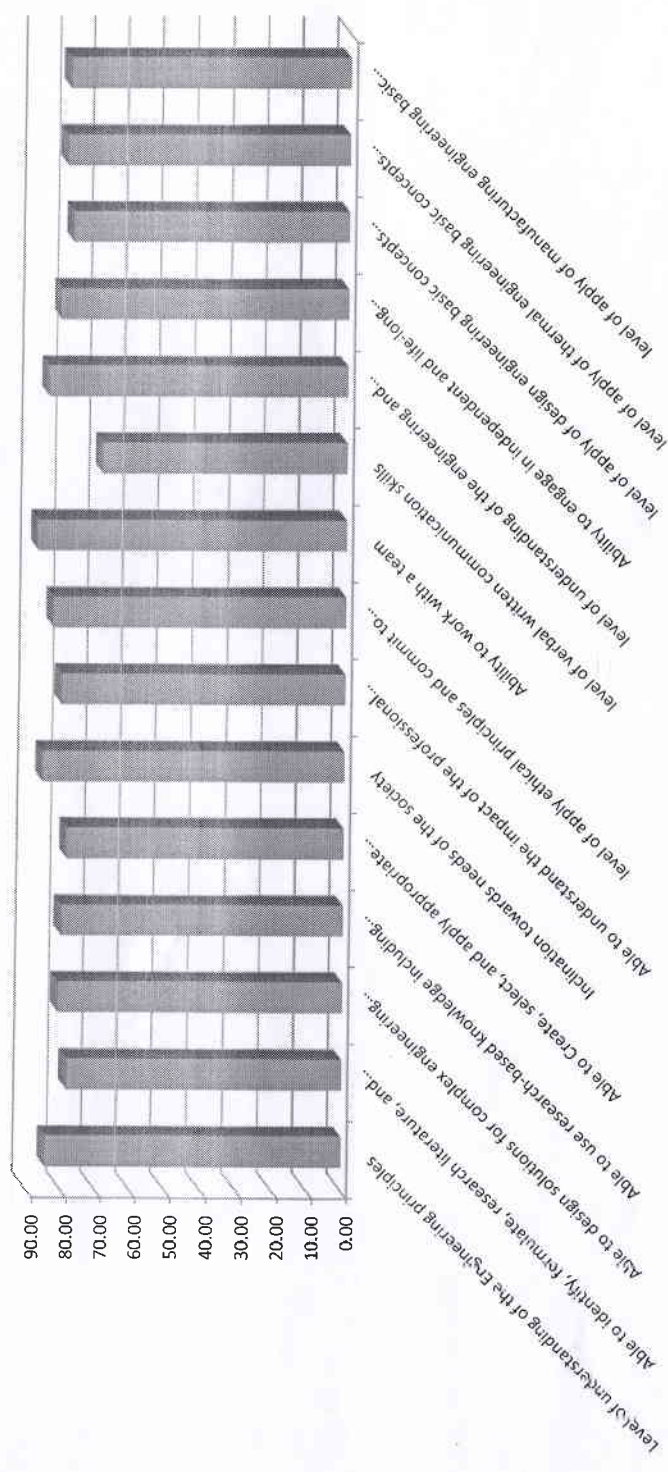
Number of respondents

30

	5-To a Great Extent 4-To Some Extent 3-Neutral 2-To a Slight Extent 1-To a Very little Extent					Attainment	% of Attainment					
	[1]	[2]	[3]	[4]	[5]							
Employer Survey 2020-21 pass out												
1	Level of understanding of the Engineering principles					0	1	5	10	14	0.85	84.67
2	Able to identify, formulate, research literature, and analyze complex engineering problems.					2	3	3	9	13	0.79	78.67
3	Able to design solutions for complex engineering problems and design system components.					1	2	4	10	13	0.81	81.33
4	Able to use research-based knowledge including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.					1	3	3	10	13	0.81	80.67
5	Able to Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools.					1	4	4	7	14	0.79	79.33
6	Inclination towards needs of the society					0	1	4	9	16	0.87	86.67
7	Able to understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development					2	2	3	8	15	0.81	81.33
8	level of apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice					0	2	4	10	14	0.84	84.00
9	Ability to work with a team					0	1	2	10	17	0.89	88.67
10	level of verbal written communication skills					1	6	8	7	8	0.70	70.00
11	level of understanding of the engineering and management principles and apply these to one's own work					1	1	2	10	16	0.86	86.00
12	Ability to engage in independent and life-long learning in the broadest context of technological change.					1	2	3	10	14	0.83	82.67
13	level of apply of design engineering basic concepts for a specified purpose.					1	2	6	9	12	0.79	79.33
14	level of apply of thermal engineering basic concepts for a specified purpose.					2	2	3	8	15	0.81	81.33
15	level of apply of manufacturing engineering basic concepts for a specified purpose.					1	2	5	9	13	0.81	80.67


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Employer Survey 2020-21



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**MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
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DEPARTMENT OF MECHANICAL ENGINEERING**

Parents Survey 2020-21 Pass out

Programme: **B.Tech.**

Branch : **Mechanical Engineering**

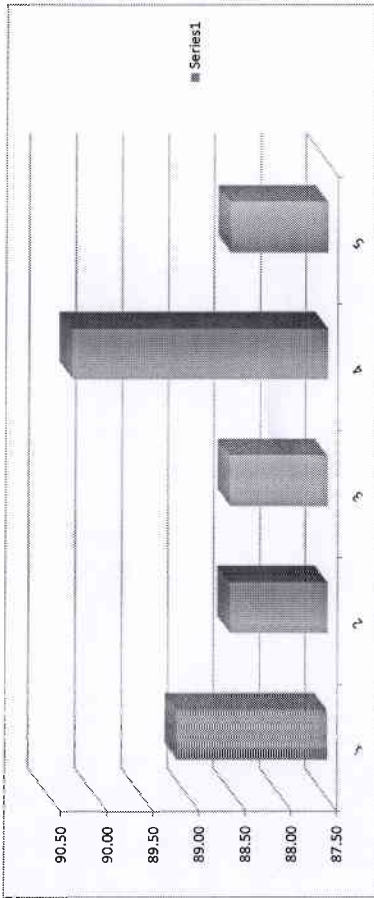
Below are given some factors specifically related to the graduate attributes. You may indicate the extent to which these graduate attributes of the Program were advantage in solving real life challenges faced in outside world
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You may rate your response as follows on a five point scale. Tick mark against your option.

Number of respondents

<http://www.guia.com/sv/994883.html>

35

	Response Tallies and Percentages					Attainment	% of Attainment
	[1]	[2]	[3]	[4]	[5]		
1 Rate the Modules linked with Industry	0	1	3	10	21	0.89	89.14
2 Rate the internship programme by your ward to fill the gap in the curriculum	1	1	2	9	22	0.89	88.57
3 Rate the events pertained by ward such as guest lecture /workshop/seminar/webinars to enrich the curriculum	1	1	3	7	23	0.89	88.57
4 Rate the industrial visits under gone by your ward to enrich the curriculum	0	1	2	10	22	0.90	90.29
5 Rate additional courses ,training/certification courses provided by the institute to your ward	1	1	2	9	22	0.89	88.57



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MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
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DEPARTMENT OF MECHANICAL ENGINEERING

Curriculum, Teaching & Learning from Students Survey A. Y. 2020-21

Programme: B.Tech.

Branch : Mechanical Engineering

Below are given some fields specifically related to the graduate attributes. You may indicate the extent to which these graduate attributes of the Program were advantage in solving real life challenges faced in outside world
We consider your response highly valuable.

You may rate your response as follows on a five point scale. Tick mark against your option.

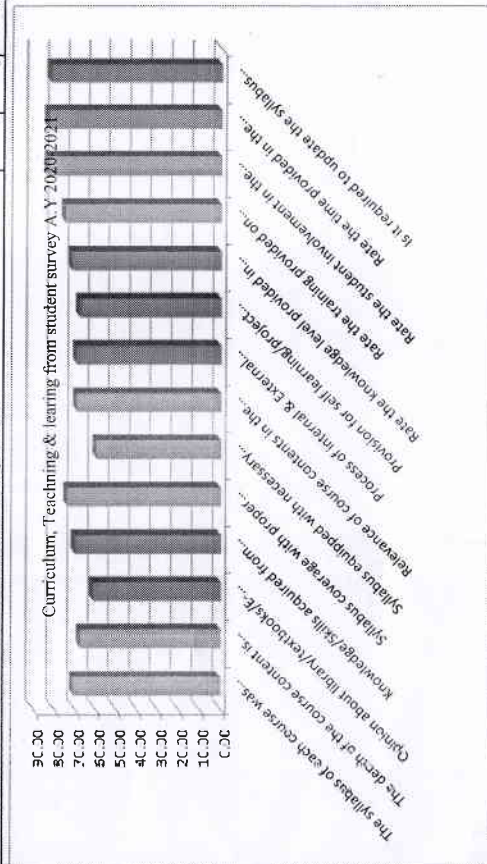
<https://www.guia.com/sv/1152383.html>

Number of respondents

44

5- To a Great Extent 4- To Some Extent 3- Neutral 2- To a Slight Extent 1- To a Very little Extent

1	curriculum, Teaching & Learning from Students Survey	Response Tallies and Percentages					Attainment	% of Attainment
		[1]	[2]	[3]	[4]	[5]		
1	The syllabus of each course was adequate	3	5	6	25	5	0.71	70.91
2	The depth of the course content is adequate in relation to the expected course outcomes(CO S)	2	5	17	14	6	0.68	67.73
3	Opinion about library/textbooks/E-learning resources and facilities on the course	6	5	17	12	4	0.61	61.36
4	Knowledge/Skills acquired from theory/practical/project work to meet industry needs	2	4	13	19	6	0.70	70.45
5	Syllabus coverage with proper sequencing	0	8	8	17	11	0.74	74.09
6	Syllabus equipped with necessary technical skills to meet industrial challenges	7	6	16	10	5	0.60	60.00
7	Relevance of course contents in the program of study	3	5	8	24	4	0.70	69.55
8	Process of internal & External Assessment	4	4	8	23	5	0.70	69.55
9	Provision for self learning/project based learning	5	4	8	22	5	0.68	68.18
10	Rate the knowledge level provided in the college about the higher education.	3	5	7	20	9	0.72	72.27
11	Rate the training provided on programming and communication skills in MITTS	4	3	5	19	13	0.75	75.45
12	Rate the student involvement in the faculty research work.	2	1	4	17	20	0.84	83.64
13	Rate the time provided in the curriculum to students for self-learning	1	2	4	18	19	0.84	83.64
14	Is it required to update the syllabus and laboratories in the department?	1	3	4	17	19	0.83	82.73



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