



ADITYA ENGINEERING COLLEGE

An Autonomous Institution

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Recognised by UGC under sections 2(f) and 12(B) of UGC Act, 1956

Aditya Nagar, ADB Road, Surampalem - 533437, Near Kakinada, E.G.Dt., Ph:99498 76662

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Name of the program- M. Tech (VLSI-Design)

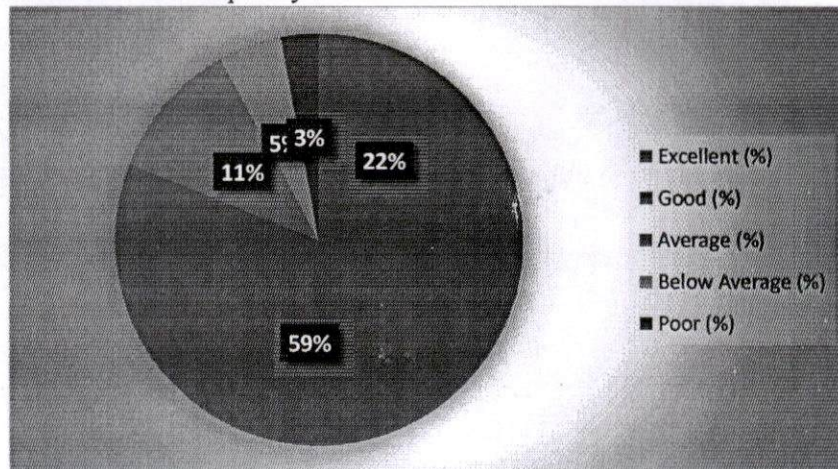
Faculty Feedback Analysis (2020-2021)

S. NO	Question related to Curriculum	Opinion of the faculty with percentage					Majority opinion	% Of Majority Opinion
		Excellent (%)	Good (%)	Average (%)	Below Average (%)	Poor (%)		
1	Curriculum is contemporary and need based	22	59	11	5	3	Excellent & Good	81%
2	The Program Educational Objectives, Program outcomes, Program Specific Outcomes, Course Objectives and Course Outcomes are well defined and clear.	22	43	27	3	5	Excellent & Good	67%
3	Curriculum has good balance of Theory and Practical courses.	24	48	21	4	3	Excellent & Good	72%
4	Faculty have the freedom to adopt new techniques for teaching like seminars, presentations, group discussions, flip class room etc.	30	51	15	1	3	Excellent & Good	81%
5	The hands on experience gained by the students through the laboratory courses is up to the expectations.	22	43	27	3	5	Excellent & Good	67%
6	The students attain the PEOs, POs, PSOs and COs satisfactorily.	24	48	21	4	3	Excellent & Good	72%

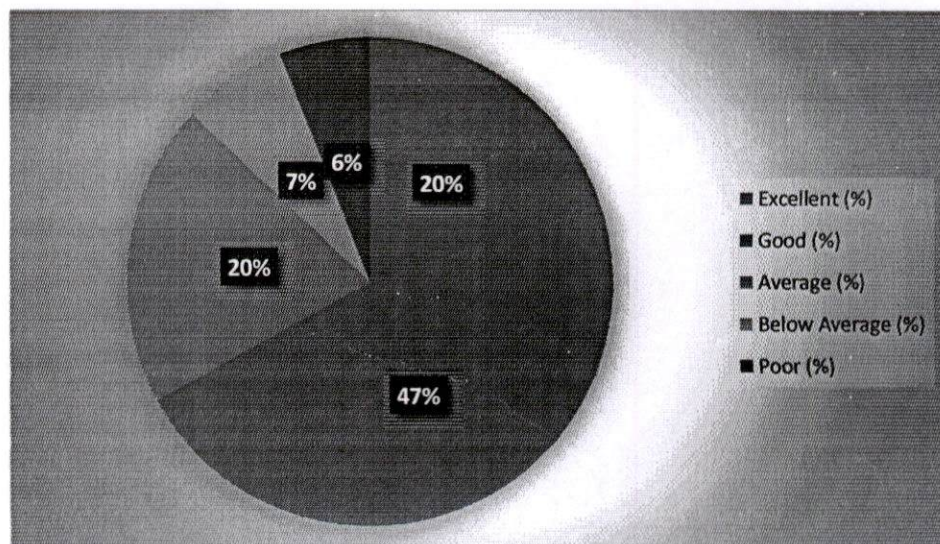
7	There is adequate emphasis on employability skills/skill development/entrepreneurship in the curriculum.	30	51	15	1	3	Excellent & Good	81%
8	There is adequate emphasis on Communication Skills in the Curriculum	22	43	27	3	5	Excellent & Good	67%
9	There is adequate emphasis on Human Values, ethics and Professionalism in the Curriculum.	24	48	21	4	3	Excellent & Good	72%
10	The curriculum has sufficient number of electives.	30	51	15	1	3	Excellent & Good	81%
11	The electives offered in the curriculum suits the industry needs and technological advancements.	24	51	19	3	3	Excellent & Good	75%
12	The books prescribed/listed as reference in curriculum are relevant, appropriate and updated.	25	51	19	2	3	Excellent & Good	76%
13	The rubrics for assessment is described clearly and there is adequate weightage for Continuous Internal Evaluation and Semester End Examination	30	53	13	2	2	Excellent & Good	83%

Graphical representation of Teacher feedback on curriculum

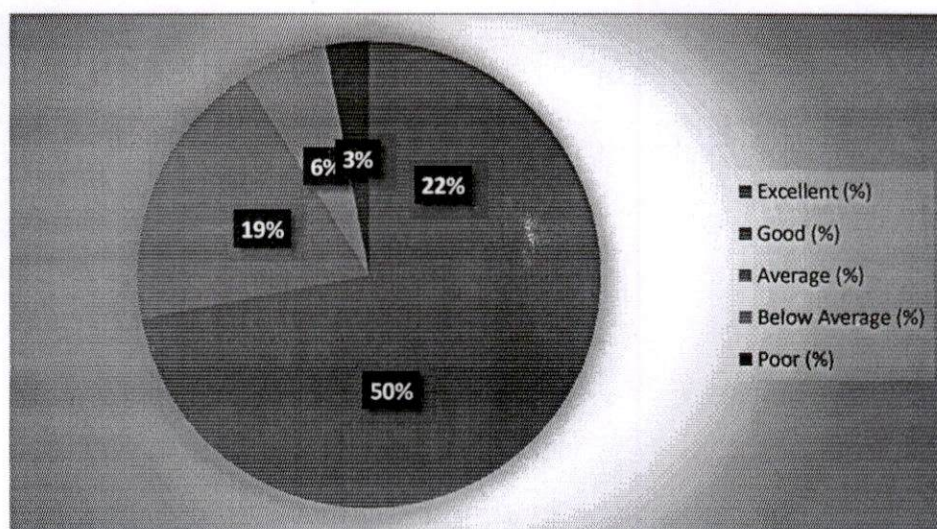
1. Curriculum is contemporary and need based



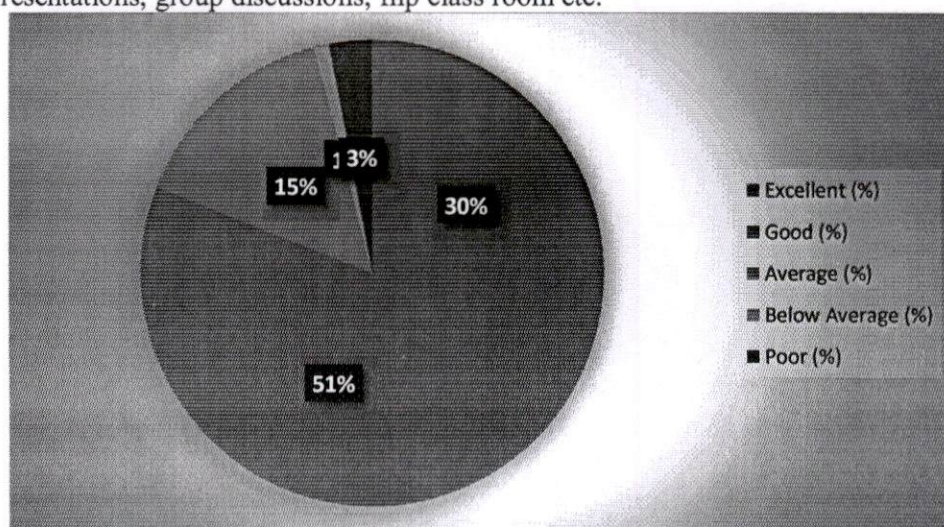
2. The Program Educational Objectives, Program outcomes, Program Specific Outcomes, Course Objectives and Course Outcomes are well defined and clear.



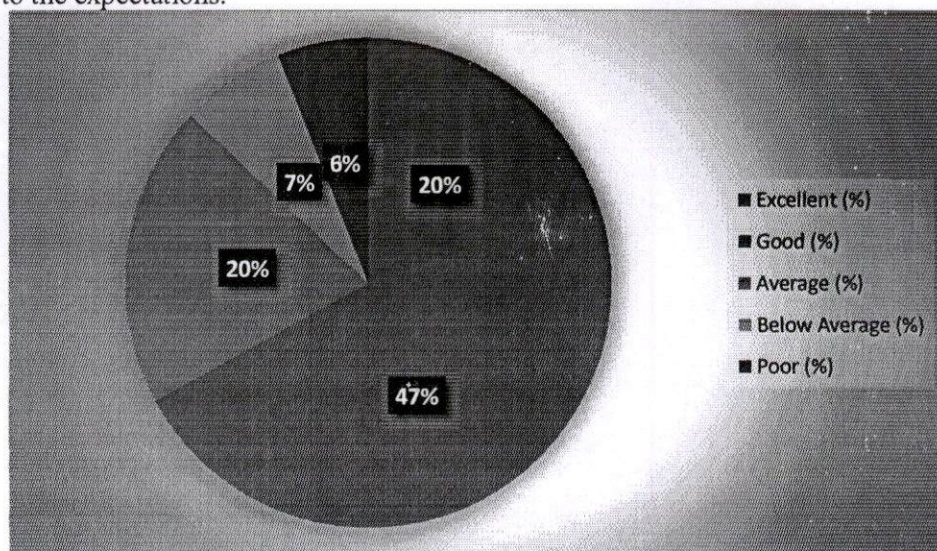
3. Curriculum has good balance of Theory and Practical courses.



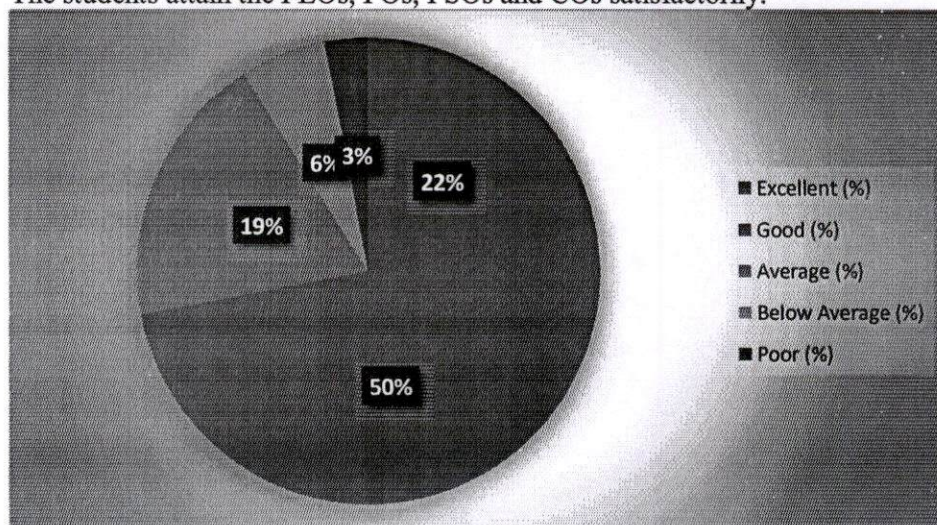
4. Faculty have the freedom to adopt new techniques for teaching like seminars, presentations, group discussions, flip class room etc.



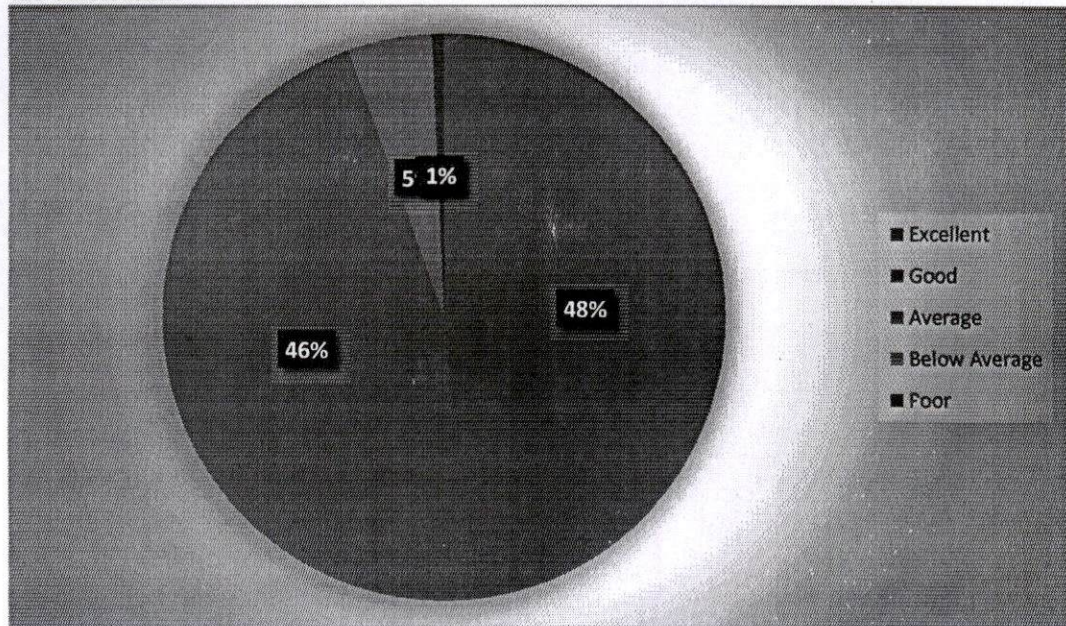
5. The hands-on experience gained by the students through the laboratory courses is up to the expectations.



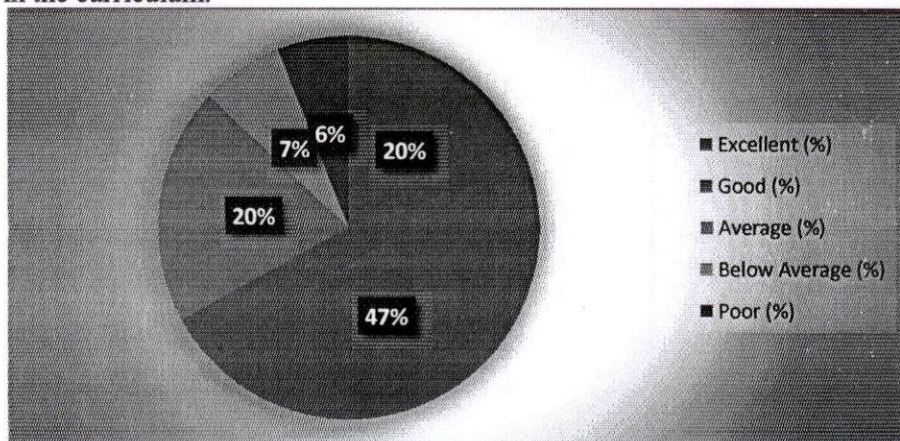
6. The students attain the PEOs, POs, PSOs and COs satisfactorily.



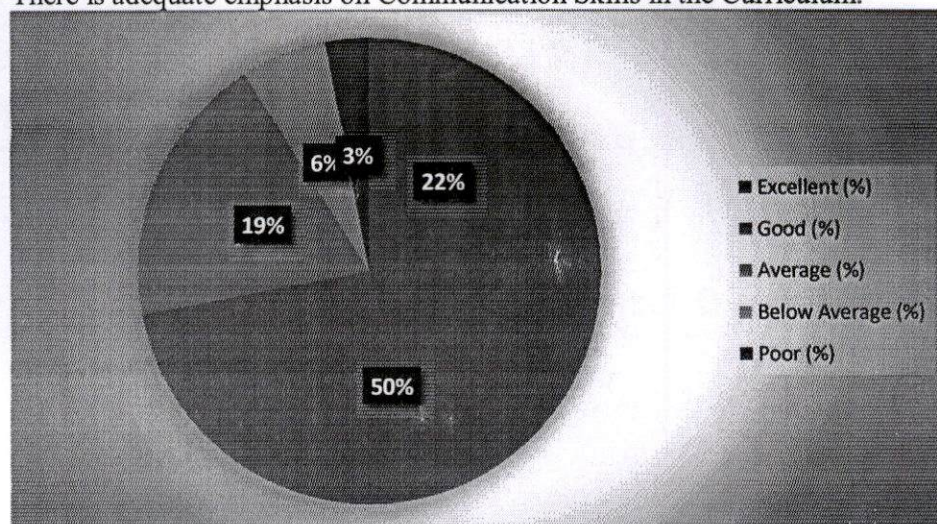
7. There is adequate emphasis on employability skills/ skill development/entrepreneurship in the curriculum



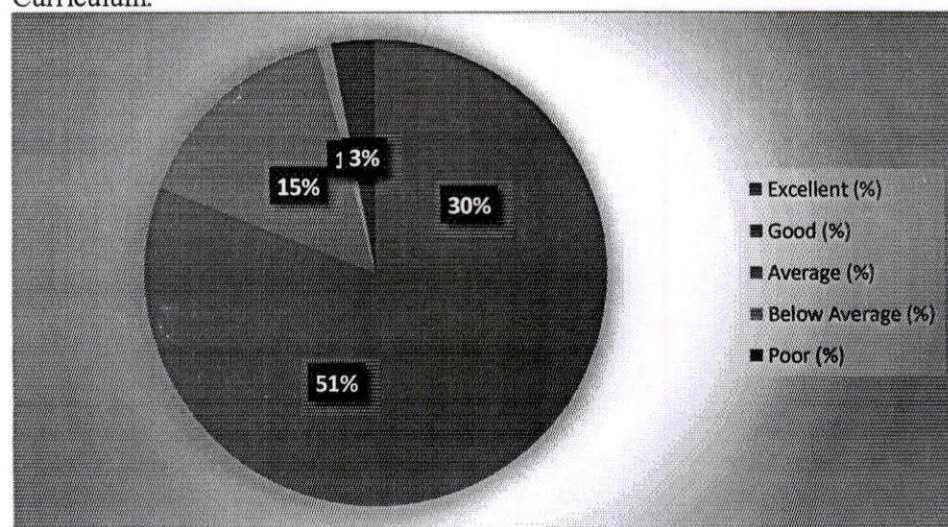
8. There is adequate emphasis on employability skills/ skill development/entrepreneurship in the curriculum.



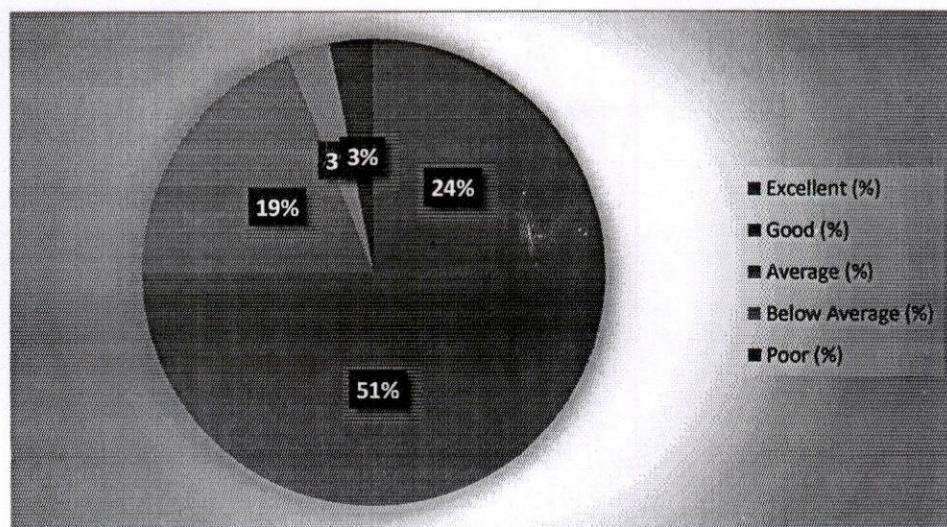
9. There is adequate emphasis on Communication Skills in the Curriculum.



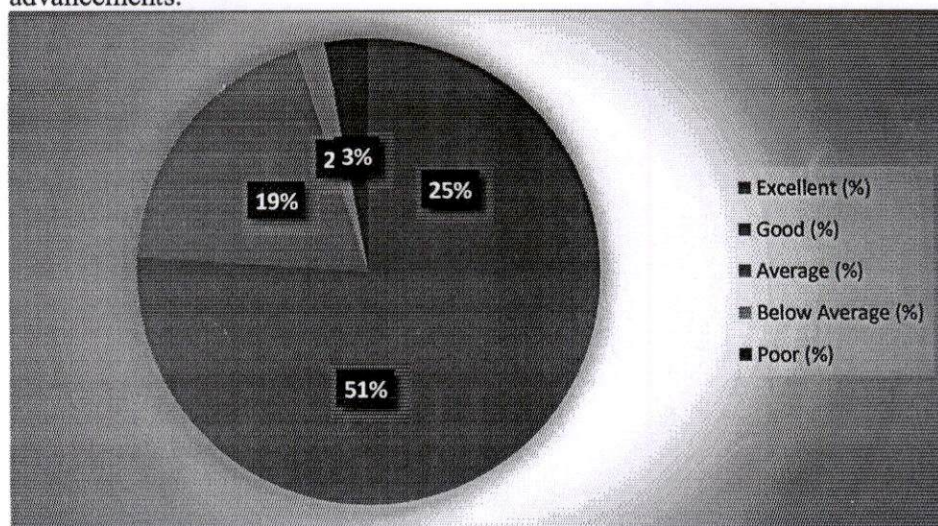
10. There is adequate emphasis on Human Values, ethics and Professionalism in the Curriculum.



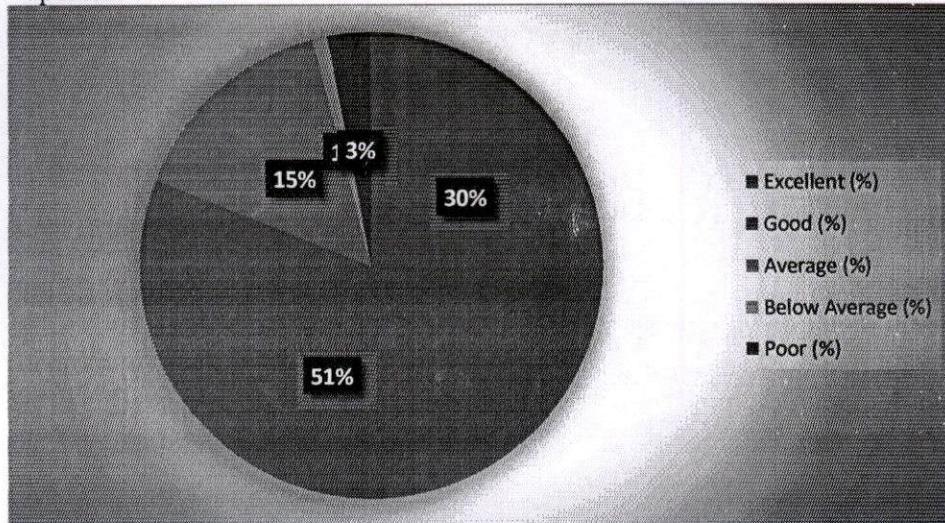
11. The curriculum has sufficient number of electives.



12. The electives offered in the curriculum suits the industry needs and technological advancements.



13. The books prescribed/listed as reference in curriculum are relevant, appropriate and updated.




Give suggestions for improving the Curriculum

1. Advanced concepts such as CMOS-based digital system design should be included in the curriculum.
2. Integrating VLSI chip designs into larger complex system designs has a wide scope in the future. Please facilitate courses related to this in the curriculum

The following are observations on Faculty feedback and action need to be initiated:

1. Students should be encouraged in taking active part in research and development.


Program Coordinator


Head of the Department
Head of the Department
Department of E.C.E.
Aditya Engineering College (A9)



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Name of the program- **M. Tech (VLSI-Design)**

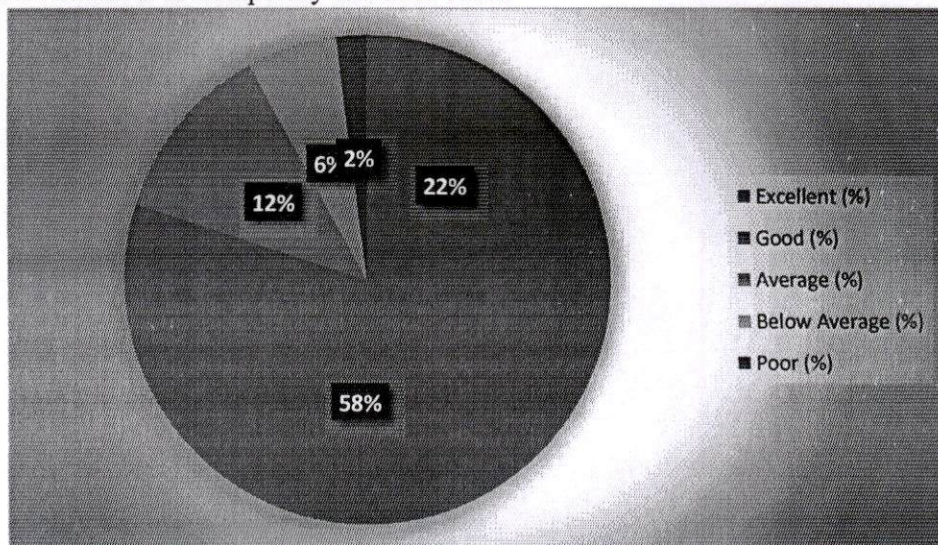
Student Feedback Analysis (2020-2021)

S. NO	Question related to Curriculum	Opinion of the students with percentage					Majority opinion	% of Majority Opinion
		Excellent (%)	Good (%)	Average (%)	Below Average (%)	Poor (%)		
1	Curriculum is contemporary and need based	22	58	12	6	2	Excellent & Good	80%
2	Curriculum has good balance of Theory and Practical courses	22	60	10	6	2	Excellent & Good	82%
3	The curriculum has sufficient number of electives	22	60	10	6	2	Excellent & Good	82%
4	There is adequate emphasis on employability skills / skill development/entrepreneurship in the curriculum.	21	58	8	9	4	Excellent & Good	79%
5	There is adequate emphasis on Communication Skills in the Curriculum.	22	59	11	5	3	Excellent & Good	81%
6	There is adequate emphasis on Human Values, ethics and Professionalism in the Curriculum.	19	59	16	3	3	Excellent & Good	78%
7	The electives offered in the curriculum suits the industry needs and technological advancements.	22	59	11	5	3	Excellent & Good	81%

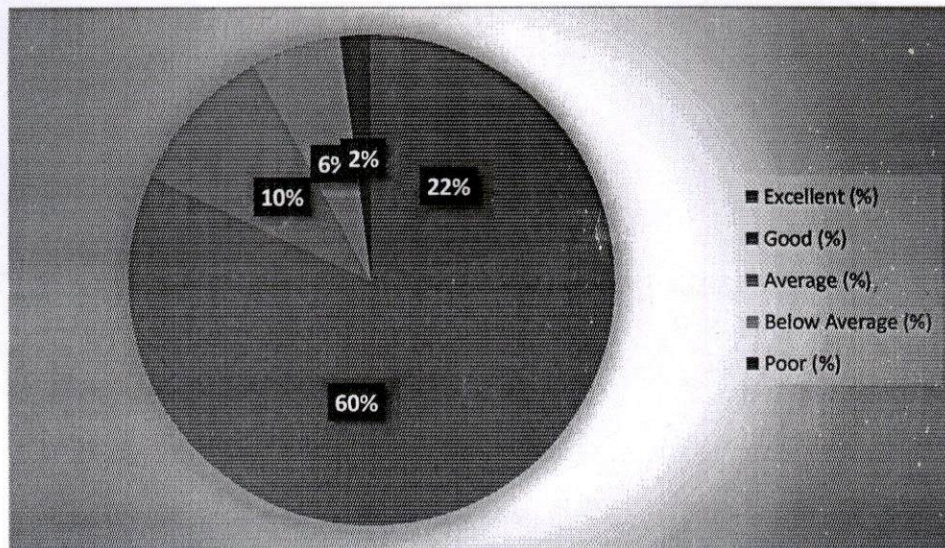
8	The books prescribed/listed as reference in curriculum are relevant, appropriate and updated.	22	60	10	6	2	Excellent & Good	82%
9	The Program Educational Objectives, Program outcomes, Program Specific Outcomes, Course Objectives and Course Outcomes are well defined and clear.	22	61	10	5	2	Excellent & Good	83%
10	The rubrics for assessment is described clearly and there is adequate weightage for Continuous Internal Evaluation and Semester End Examination.	22	59	11	5	3	Excellent & Good	81%

Graphical representation of Students feedback on curriculum

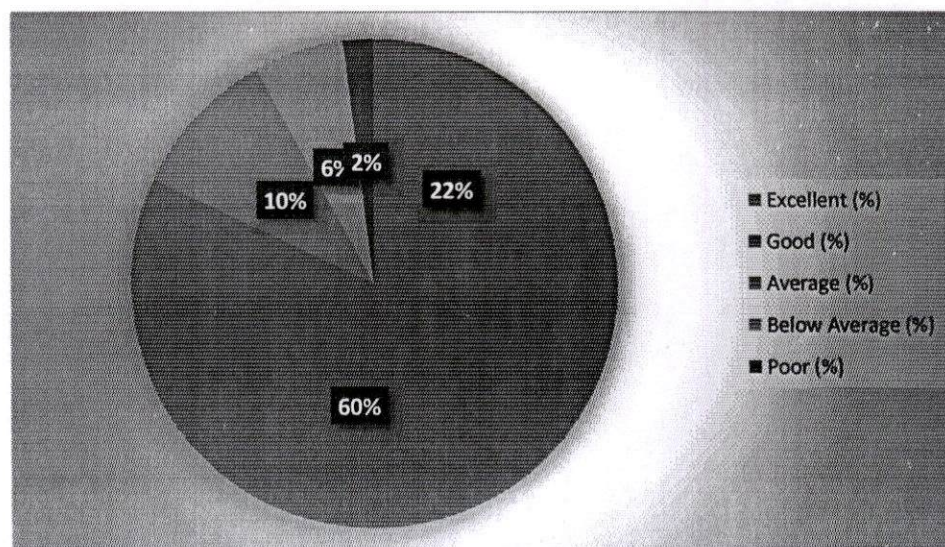
- Curriculum is contemporary and need based



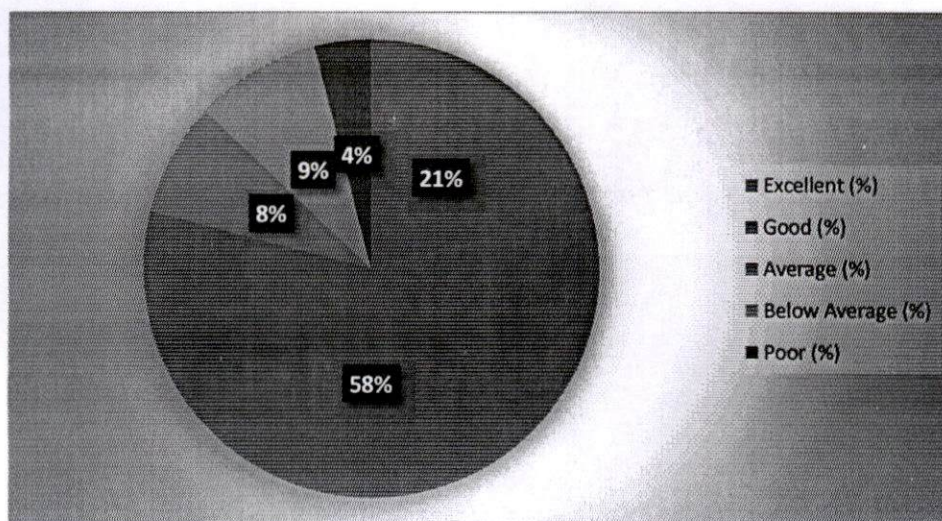
2. Curriculum has good balance of Theory and Practical courses.



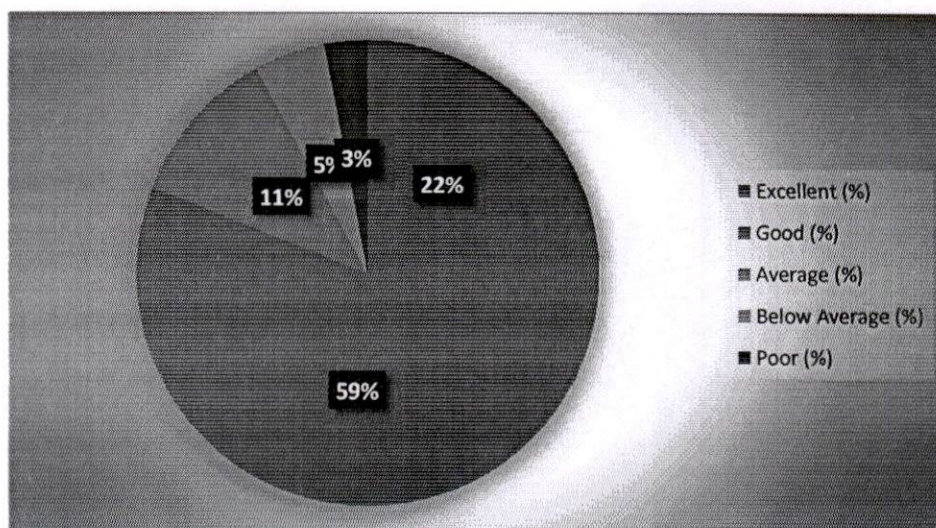
3. The curriculum has sufficient number of electives



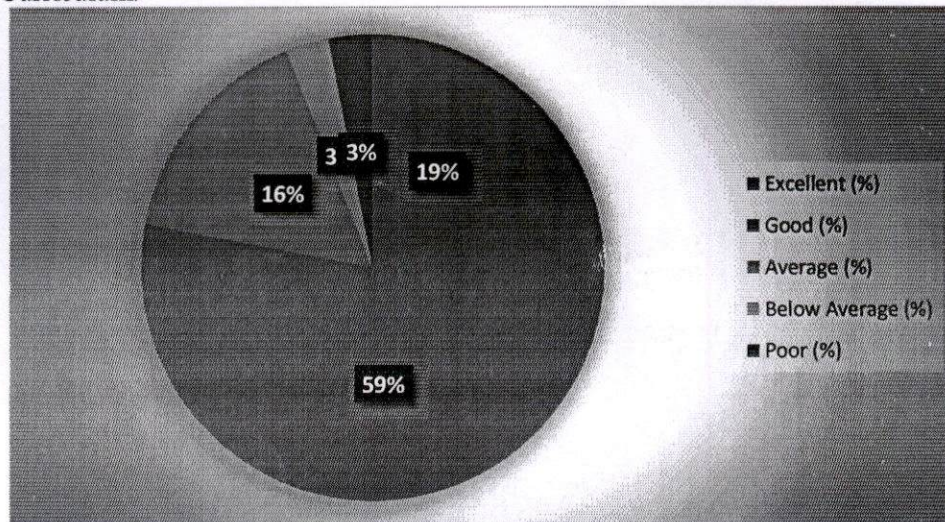
4. There is adequate emphasis on employability skills/ skill development/entrepreneurship in the curriculum.



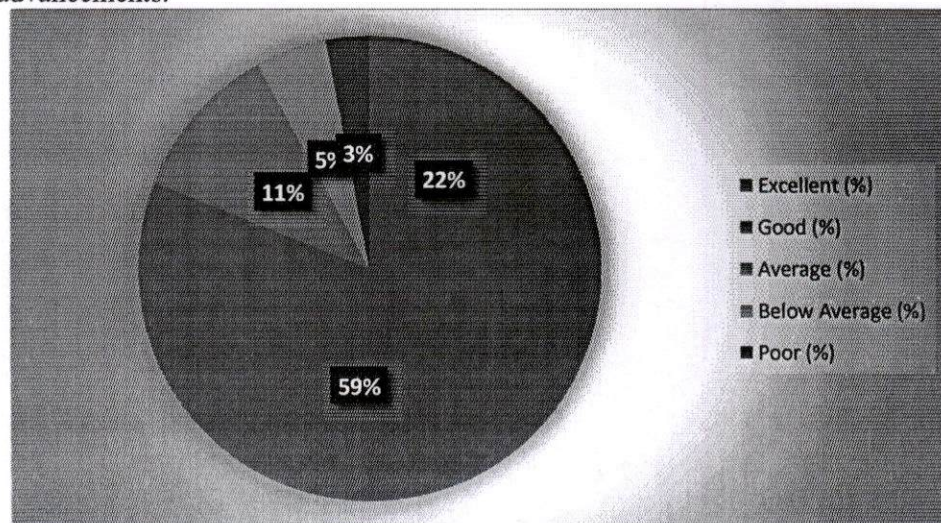
5. There is adequate emphasis on Communication Skills in the Curriculum.



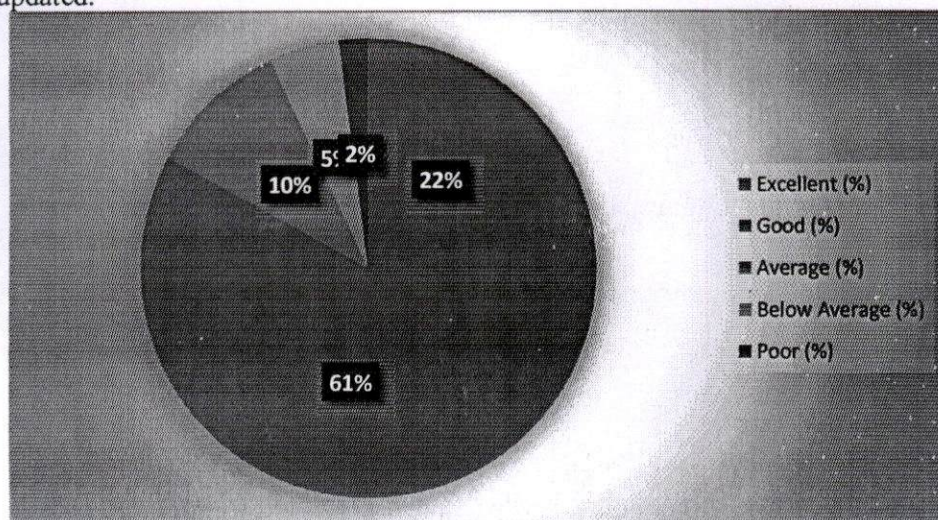
6. There is adequate emphasis on Human Values, ethics and Professionalism in the Curriculum.



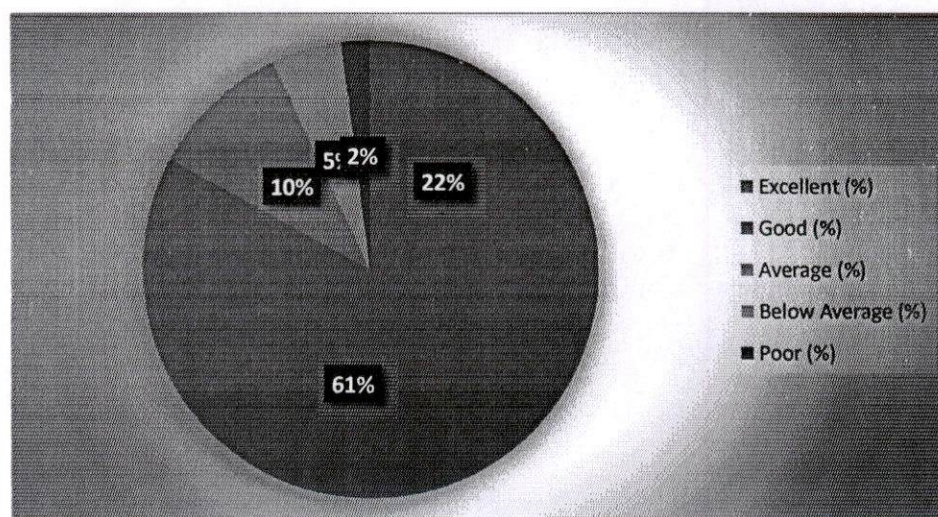
7. The electives offered in the curriculum suits the industry needs and technological advancements.



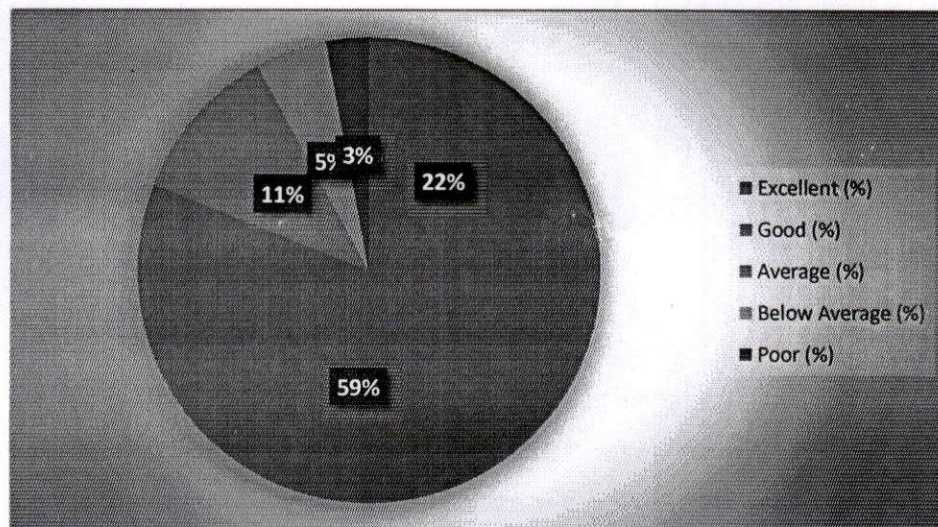
8. The books prescribed/listed as reference in curriculum are relevant, appropriate and updated.



9. The Program Educational Objectives, Program outcomes, Program Specific Outcomes, Course Objectives and Course Outcomes are well defined and clear.



10. The rubrics for assessment is described clearly and there is adequate weightage for Continuous Internal Evaluation and Semester End Examination.



Give your suggestions for improving the curriculum

1. need few more IT related courses.
2. industrial visit should be a part of curriculum.
3. give credits for industrial visit so as to create seriousness among the students.
4. Not needed to change the syllabus. It is up to the mark.
5. need electives more in number.

The following are observations on Student feedback and action need to be initiated:

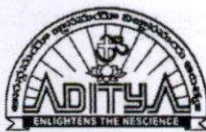
1. SIGNALS PROCESSING is an important course for Electronics and Communication Engineering branch. provide in-detailed information of the course theoretically and practically.
2. Need industrial visits and internships as a part of curriculum.
3. Encourage students for taking part in socially relevant projects.



Program Coordinator



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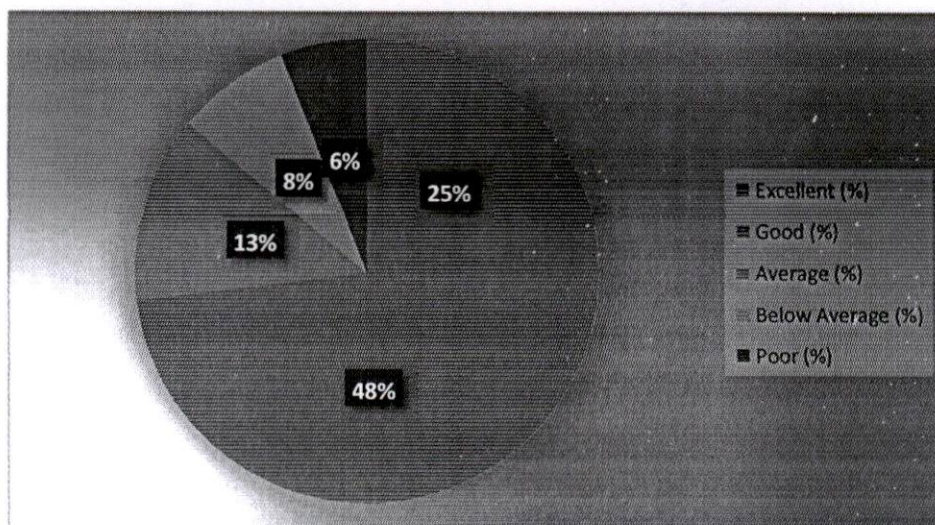
Name of the program- M. Tech (VLSI-Design)

Employer Feedback Analysis (2020-2021)

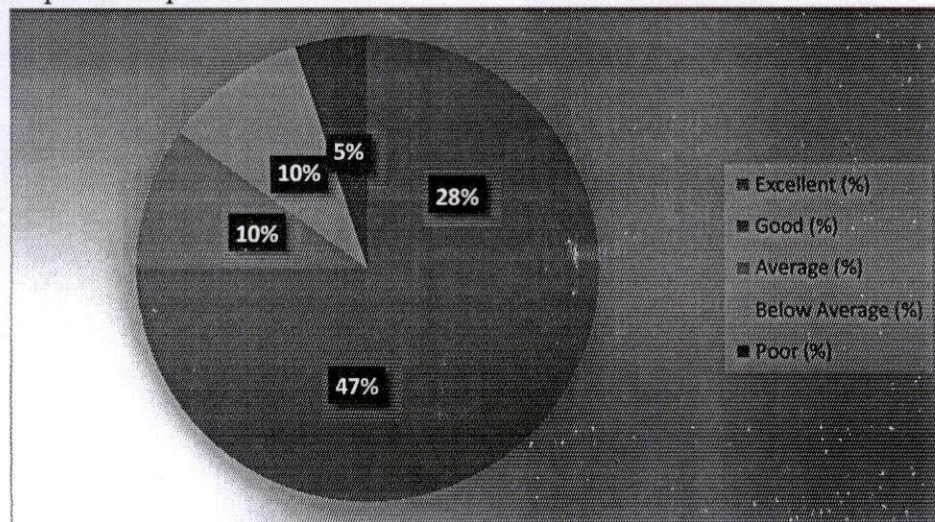
S. NO	Question related to Curriculum	Opinion of the employer with percentage					Majority opinion	% of Majority Opinion
		Excellent (%)	Good (%)	Average (%)	Below Average (%)	Poor (%)		
1	Curriculum is contemporary and need based	25	48	13	8	6	Excellent & Good	73%
2	There is adequate emphasis on employability skills/ skill development/entrepreneurship in the curriculum	28	47	10	10	5	Excellent & Good	75%
3	The electives offered in the curriculum suits the industry needs and technological advancements.	29	48	12	8	3	Excellent & Good	77%

Graphical representation of Employer feedback analysis

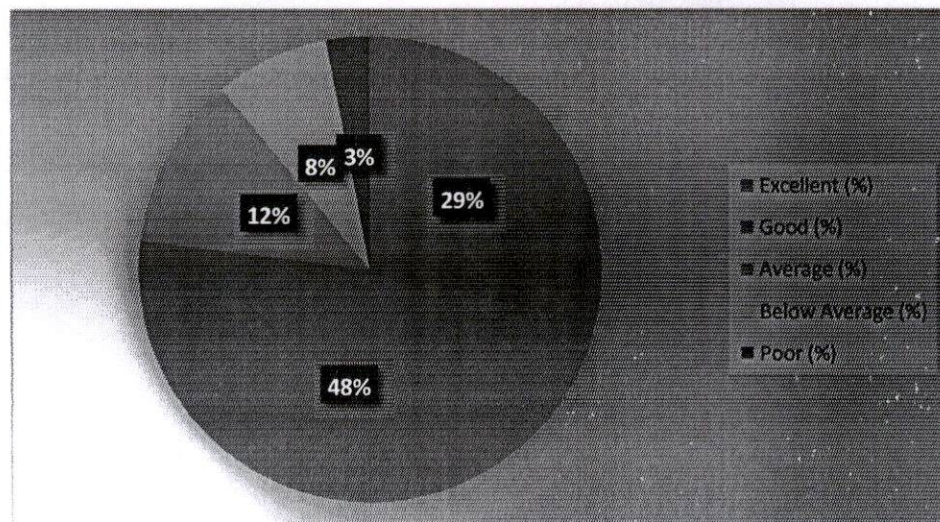
- Curriculum is contemporary and need based



2. There is adequate emphasis on employability skills/ skill development /entrepreneurship in the curriculum



3. The electives offered in the curriculum suits the industry needs and technological advancements.



Suggest any courses to be added to /removed from the curriculum

1. It is good no need to remove or add
2. Add AWS certification courses compulsory
3. Add machine learning basics

Suggest the skills to be acquired by our students to meet the industry requirements

1. Good knowledge on Programming languages.
2. Aptitude reasoning and core.
3. Bring up knowledge on wide subjects irrespective of stream.


Any other suggestions on Curriculum

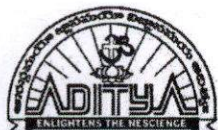
1. Communication and practical knowledge
2. Add Python Pega and Testing Tools
3. Please encourage the students from their ideas and modify it.

The following are observations on Employer feedback and action need to be initiated:

1. Effective Soft-skill training to be provided
2. Multidisciplinary work nature is to be inculcated among students.


Program Coordinator


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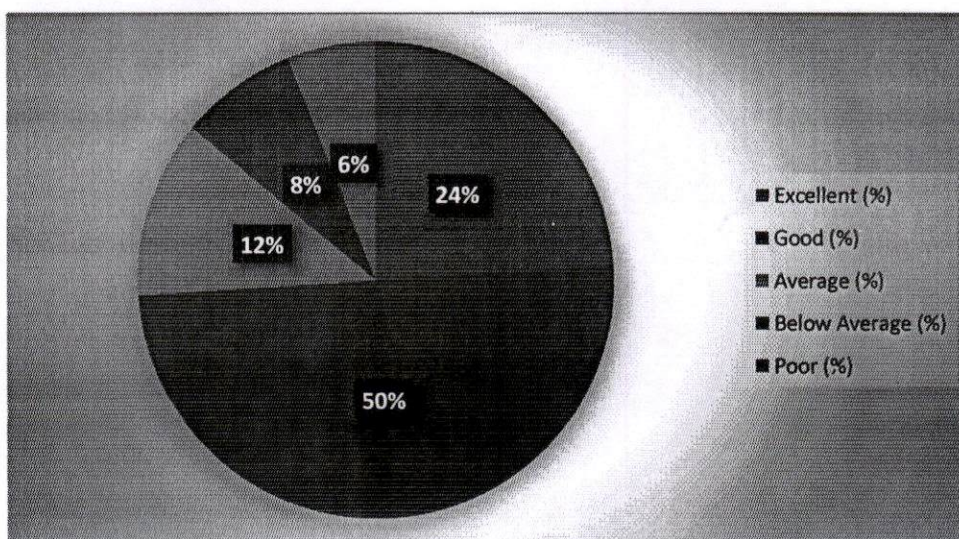
Name of the program- M. Tech (VLSI-Design)

Alumni Feedback Analysis (2020-2021)

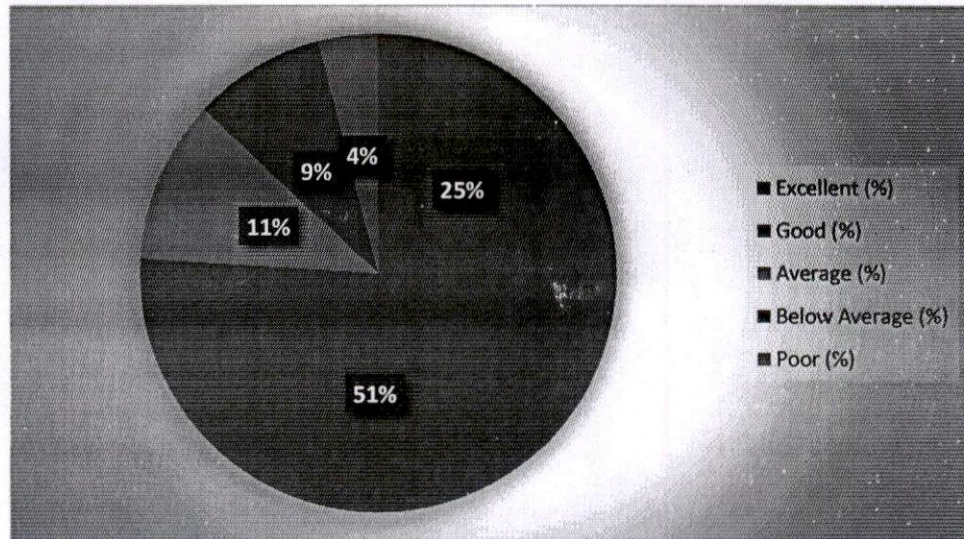
S. NO	Question related to Curriculum	Opinion of the alumni with percentage					Majority opinion	% of Majority Opinion
		Excellent (%)	Good (%)	Average (%)	Below Average (%)	Poor (%)		
1	Curriculum is contemporary and need based	24	50	12	8	6	Excellent & Good	74%
2	There is adequate emphasis on employability skills/ skill development/ entrepreneurship in the curriculum	25	51	11	9	4	Excellent & Good	76%
3	The electives offered in the curriculum suits the industry needs and technological Advancements.	20	53	12	8	7	Excellent & Good	73%

Graphical representation of Alumni feedback analysis

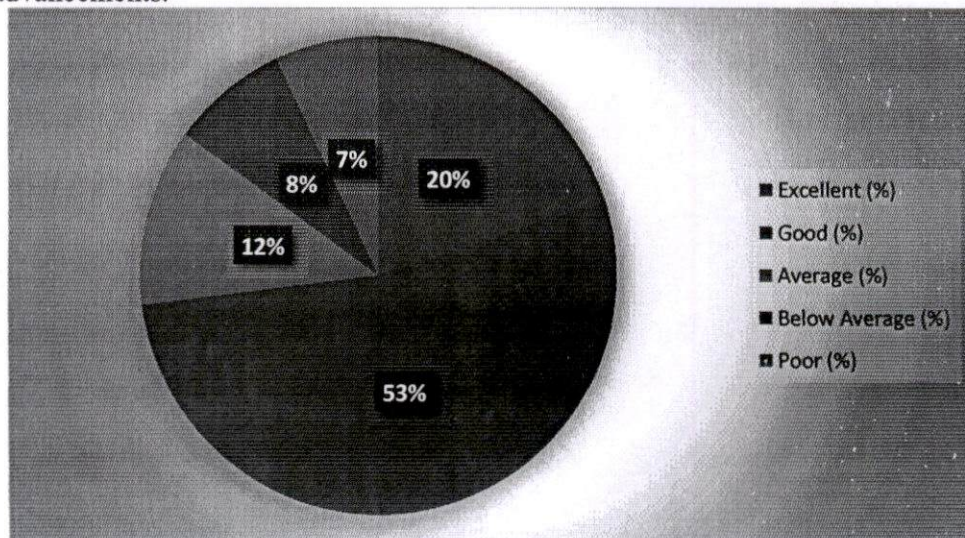
- Curriculum is contemporary and need based.



2. There is adequate emphasis on employability skills/ skill development /Entrepreneurship in the curriculum.



3. The electives offered in the curriculum suits the industry needs and technological advancements.



Suggest any courses to be added /removed from the curriculum.

1. The course Advanced Machine Learning and Signal Processing, is part of the Advanced Data Science Specialization. Should be included in the curriculum
2. The concepts Supervised and Unsupervised Machine Learning Models used by experts in many fields' relevant disciplines. This has many job opportunities. These courses should be added in the curriculum.
3. Nonlinear System analysis courses should be included in the curriculum.

Suggest any new topics/technologies/tools/modules to be learned by students to make them industry- ready.

1. Heterogeneity in algorithms, design methods, implementation technologies may be included.
2. Machine Learning and Internet of Things, this is very important for students in terms of job opportunities and internships.
3. Introduction to Embedded Systems, which will have more hands-on labs, practical experience, and something they can really use as a skill when they apply for jobs.


Give any other suggestions for improving the Curriculum.

1. Modern IT Signal Processing and Decision-Making Techniques for Machining with Zero Defects creates a lot of opportunities for the electronics and communication engineers. These courses should be a part of the curriculum.
2. Binary tree related course should be added in the curriculum.
3. Advanced Probability & Statistics for Engineers courses creates vast opportunities for jobs and higher studies as well. Suggested to include these courses in the curriculum.

The following are observations on Alumni feedback and action need to be initiated:

1. Encourage students to be a part of real time and live projects.
2. Physical Design courses emphasizes on issues faced in industry level and how to resolve those issues. These courses also focus on other aspects of VLSI back-end flow including Synthesis, IR drop analysis and Physical verification. Courses also will provide students with entire back-end flow, making sure that students fit in to various job requirements. Facilitate courses related to this.


Program Coordinator


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