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 MECHANICAL ENGINEERING

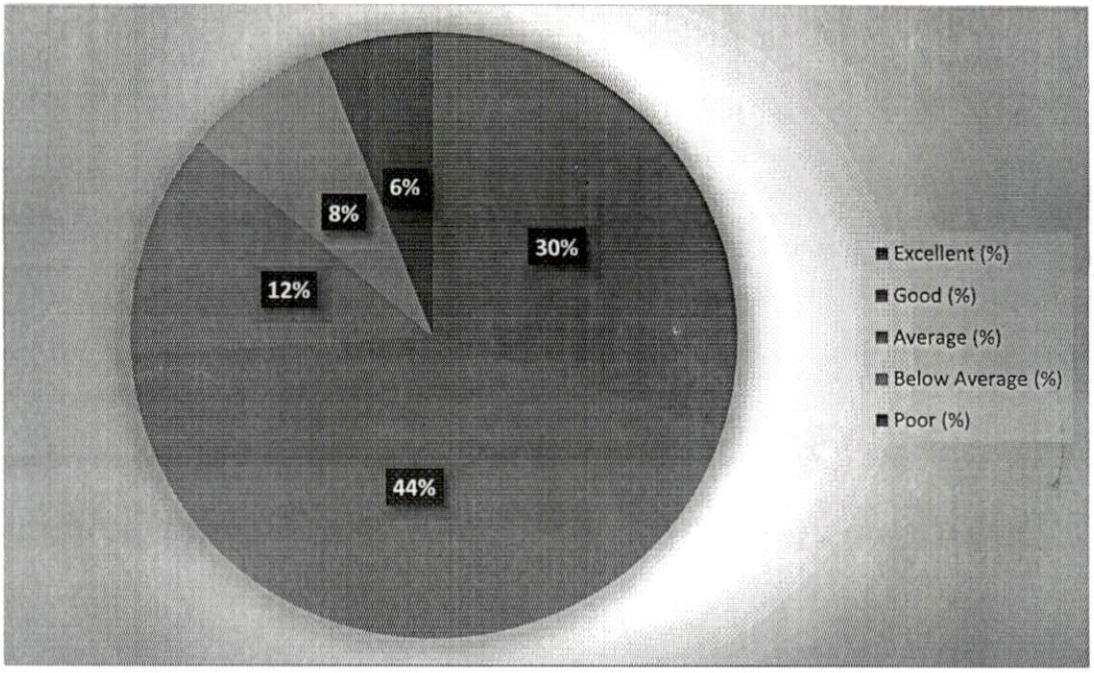
Alumni Feedback on curriculum

Alumni Feedback Analysis **(2018 – 19)** for the **B. Tech (Mechanical Engineering)** program.

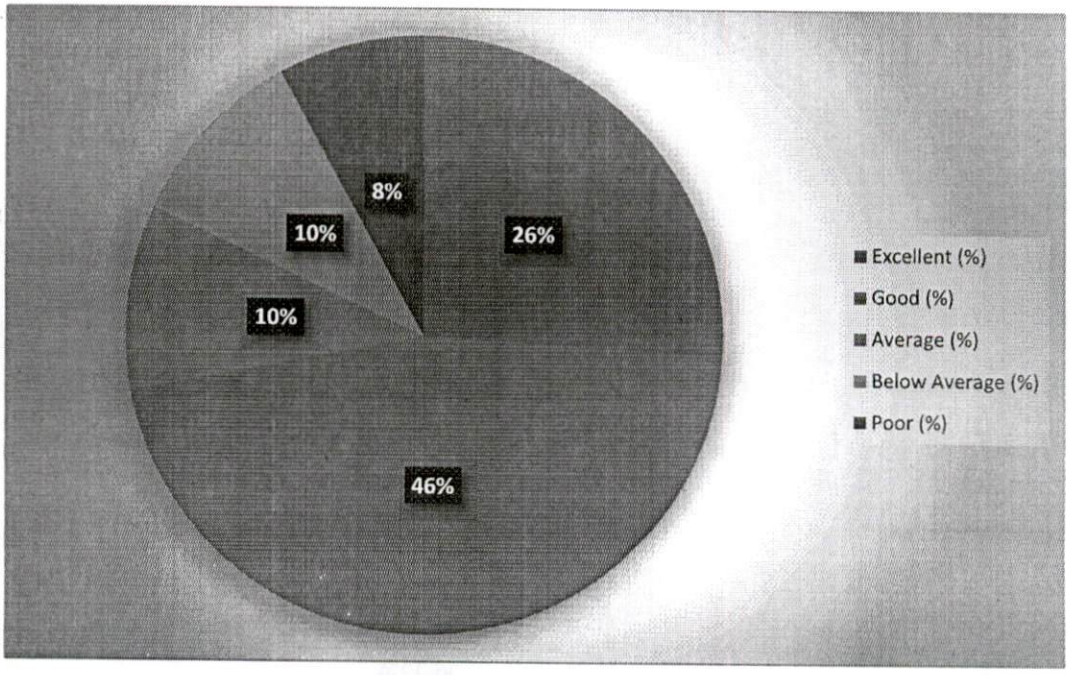
S. NO	Question related to Curriculum	Opinion of the alumni with percentage					Majority opinion	% of Majority Opinion
		Excellent (%)	Good (%)	Average (%)	Below Average (%)	Poor (%)		
1	Curriculum is contemporary and need based	30	44	12	8	6	Excellent & good	74%
2	There is adequate emphasis on employability skills/ skill development/entrepreneurship in the curriculum	26	46	10	10	8	Excellent & good	72%
3	The electives offered in the curriculum suits the industry needs and technological advancements.	25	45	12	12	6	Excellent & good	71%

Graphical representation of Alumni feedback analysis

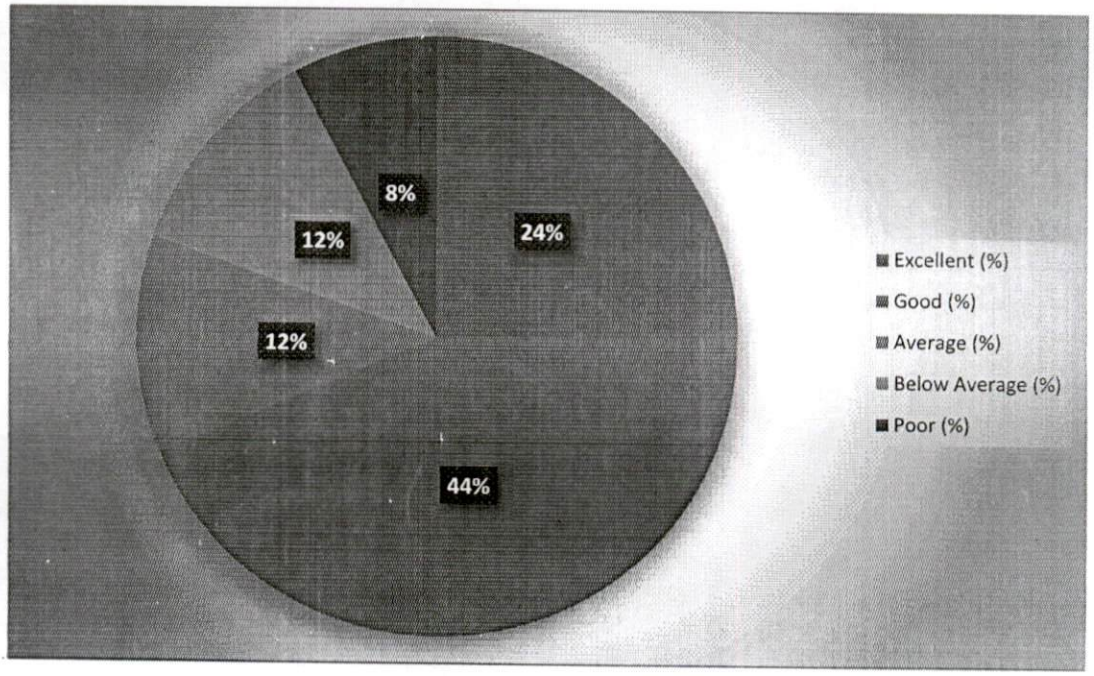
1. **Curriculum is contemporary and need based**



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. Advanced industry related software's must be added.
2. Add Java
3. Better to add some software related courses.
4. AutoCAD

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

1. Computer Aided machine element drawing.
2. Technical skills
3. Latest courses need to be added like machine learning, etc
4. Although mechanical, add any Full stack developer course.

Give any other suggestions for improving the Curriculum

1. Automobiles with practical oriented sessions.
2. Improve practical works on ANSYS, solid works software
3. Practical approach of knowledge
4. Please add more practical sessions in every course work and most importantly don't demotivate people who do projects like BAJA and SUPRA

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

1. Automotive companies need better drawing analyzing capability for product design.
2. Students need to be industry ready with skill sets to gain job.
3. Better to have knowledge on CAD and its applications.

Signature of the HOD

Head of the Department
Department of Mechanical Engineering
Aditya Engineering College (A)
SURAMPALEM-533 437

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DEPARTMENT OF MECHANICAL ENGINEERING

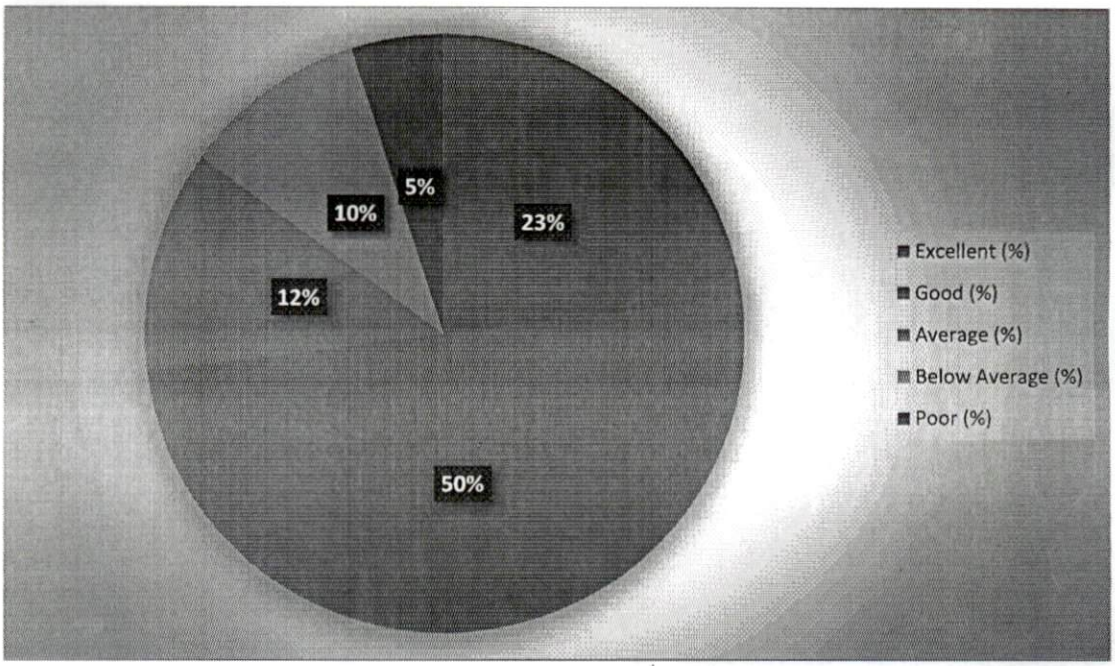
Employer Feedback on curriculum

Employer Feedback Analysis **(2018 – 19)** for the B. Tech **(Mechanical Engineering)** program.

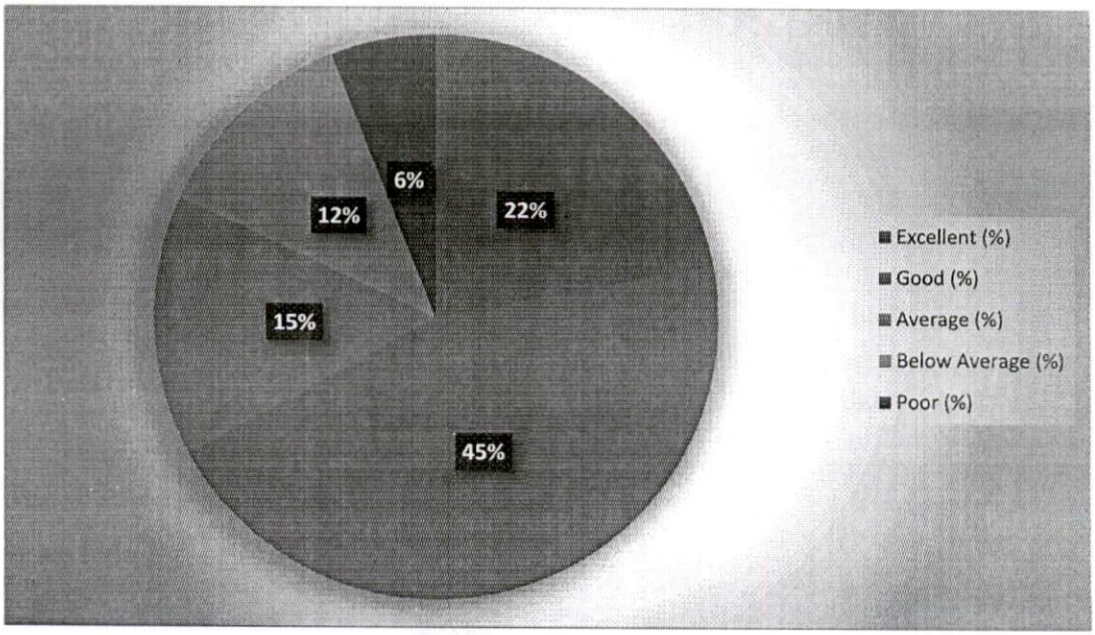
S. NO	Question related to Curriculum	Opinion of the Employer with percentage					Majority opinion	% of Majority Opinion
		Excellent (%)	Good (%)	Average (%)	Below Average (%)	Poor (%)		
1	Curriculum is contemporary and need based	23	50	12	10	5	Excellent & good	73%
2	There is adequate emphasis on employability skills/ skill development/entrepreneurship in the curriculum	22	45	15	12	6	Excellent & good	67%
3	The electives offered in the curriculum suits the industry needs and technological advancements.	20	49	12	10	9	Excellent & good	69%

Graphical representation of Employer feedback analysis

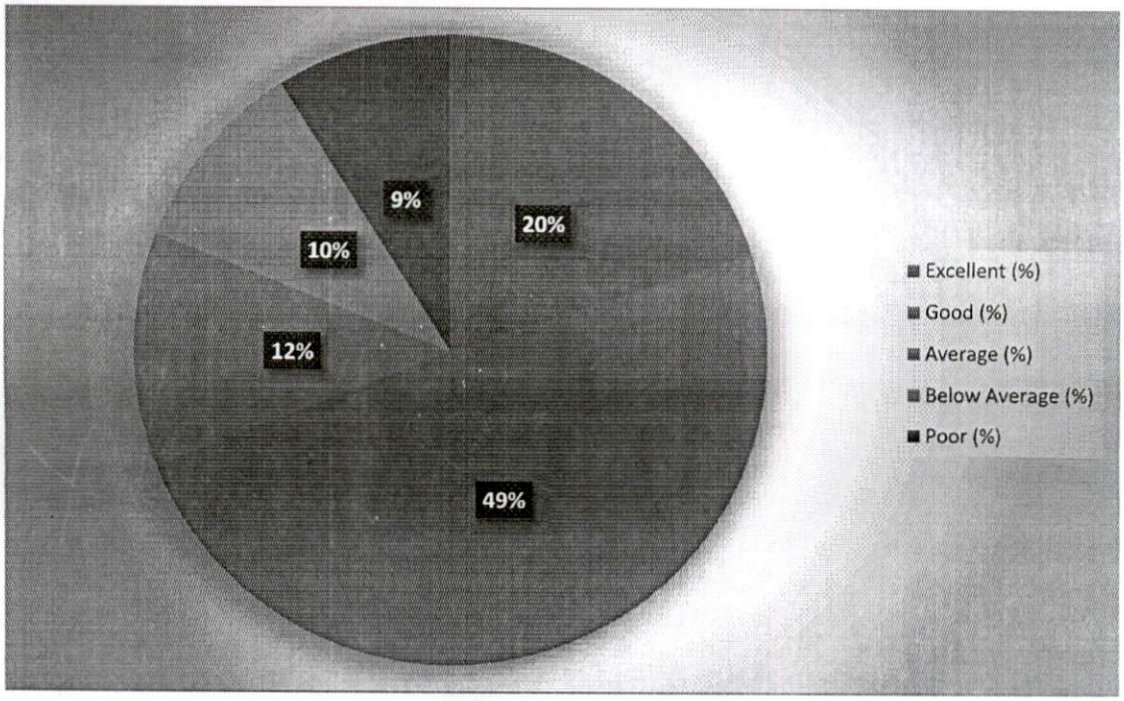
1. **Curriculum is contemporary and need based**



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. Introduce skill oriented courses such as python, data science, data structures etc.
2. Smart Materials
3. Add Java or Python for Mechanical
4. Add machine learning basics

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

1. Turbines and its maintenance.
2. Provide some industrial visits, then only they know the how the industries are working.
3. Communication skills
4. Practical knowledge should be more on new learn things

Any other suggestions on Curriculum

1. Add industry interaction with students.
2. Python Django
3. You can incorporate additional industrial visits.
4. Add some more programming languages in Curriculum

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

1. Better to introduce skill oriented courses so that student may get extra skill.
2. Students should have knowledge on turbines and its applications.
3. The bridge between the theoretical aspects and real world is project based learning. And this lack of application of knowledge in the real world throughout the course of study is what hinders us from truly appreciating the things that we study.

Signature of the HOD

Head of the Department
Department of Mechanical Engineering
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DEPARTMENT OF MECHANICAL ENGINEERING

Teacher Feedback on curriculum

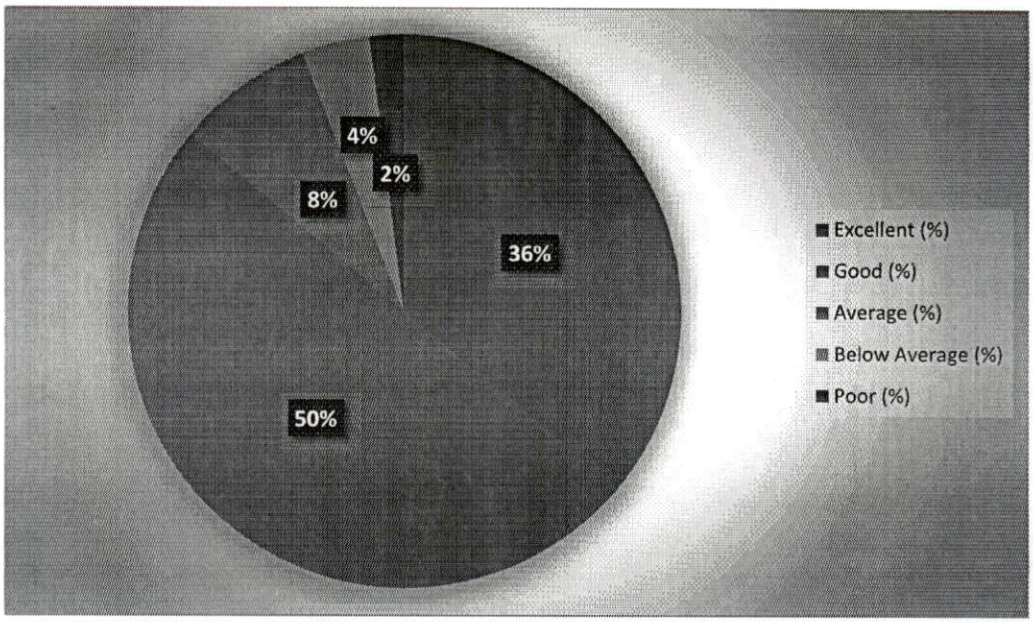
Teacher Feedback Analysis **(2018 – 19)** for the B. Tech **(Mechanical Engineering)** program.

S. NO	Question related to Curriculum	Opinion of the Teacher with percentage					Majority opinion	% of Majority Opinion
		Excellent (%)	Good (%)	Average (%)	Below Average (%)	Poor (%)		
1	Curriculum is contemporary and need based	36	50	8	4	2	Excellent & good	86%
2	The Program Educational Objectives, Program outcomes, Program Specific Outcomes, Course Objectives and Course Outcomes are well defined and clear.	34	52	8	5	1	Excellent & good	86%
3	Curriculum has good balance of Theory and Practical courses.	33	54	7	4	2	Excellent & good	87%
4	Faculty have the freedom to adopt new techniques for teaching like seminars, presentations, group discussions, flip class room etc.	32	53	6	6	3	Excellent & good	85%
5	The hands on experience gained by the students through the laboratory courses is up to the expectations.	32	54	7	5	2	Excellent & good	86%
6	The students attain the PEOs, POs, PSOs and COs satisfactorily.	32	52	8	5	3	Excellent & good	84%
7	There is adequate emphasis on employability skills/ skill development/entrepren	32	53	10	4	1	Excellent & good	85%

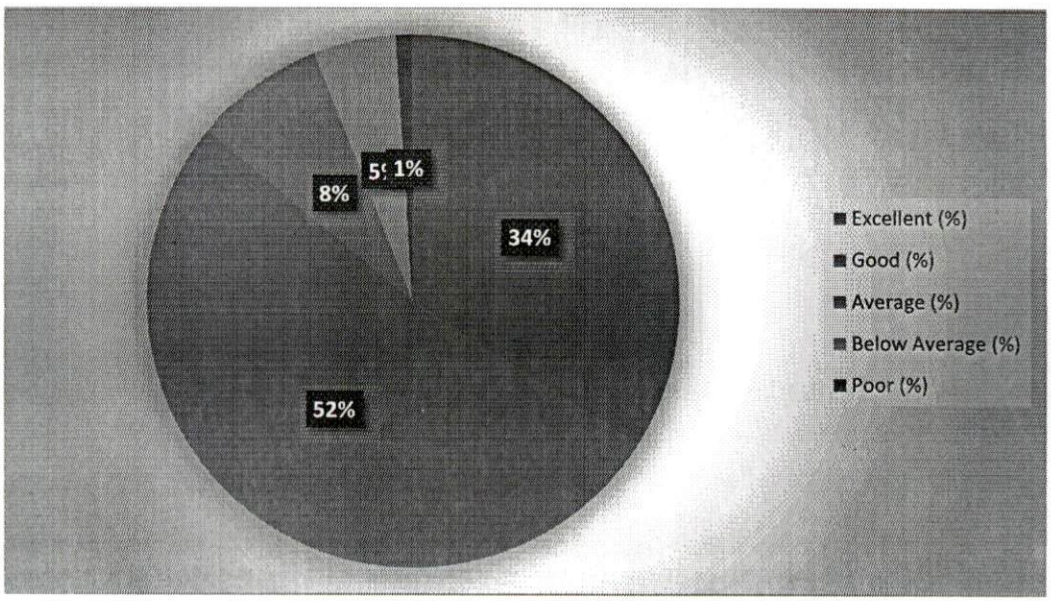
	eurship in the curriculum.							
8	There is adequate emphasis on Communication Skills in the Curriculum	32	53	9	5	1	Excellent & good	85%
9	There is adequate emphasis on Human Values, ethics and Professionalism in the Curriculum.	31	54	9	4	2	Excellent & good	85%
10	The curriculum has sufficient number of electives.	32	55	7	4	2	Excellent & good	87%
11	The electives offered in the curriculum suits the industry needs and technological advancements.	33	55	8	2	2	Excellent & good	88%
12	The books prescribed/listed as reference in curriculum are relevant, appropriate and updated.	32	56	6	4	2	Excellent & good	88%
13	The rubrics for assessment is described clearly and there is adequate weightage for Continuous Internal Evaluation and Semester End Examination	32	56	6	4	2	Excellent & good	88%

Graphical representation of Teacher feedback on curriculum

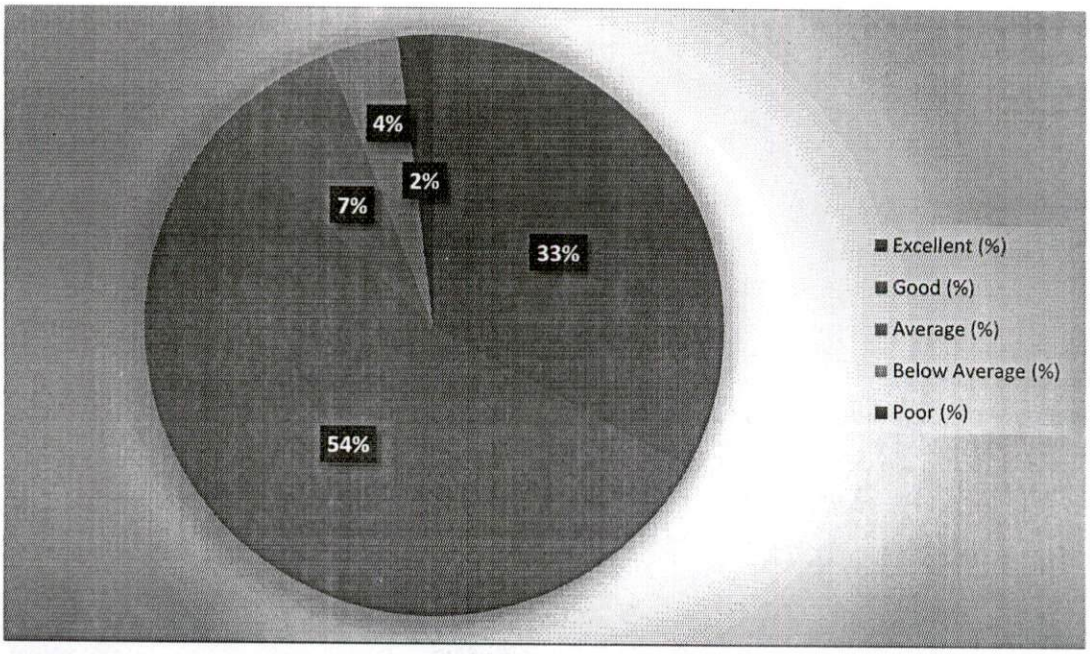
1. Curriculum is contemporary and need based



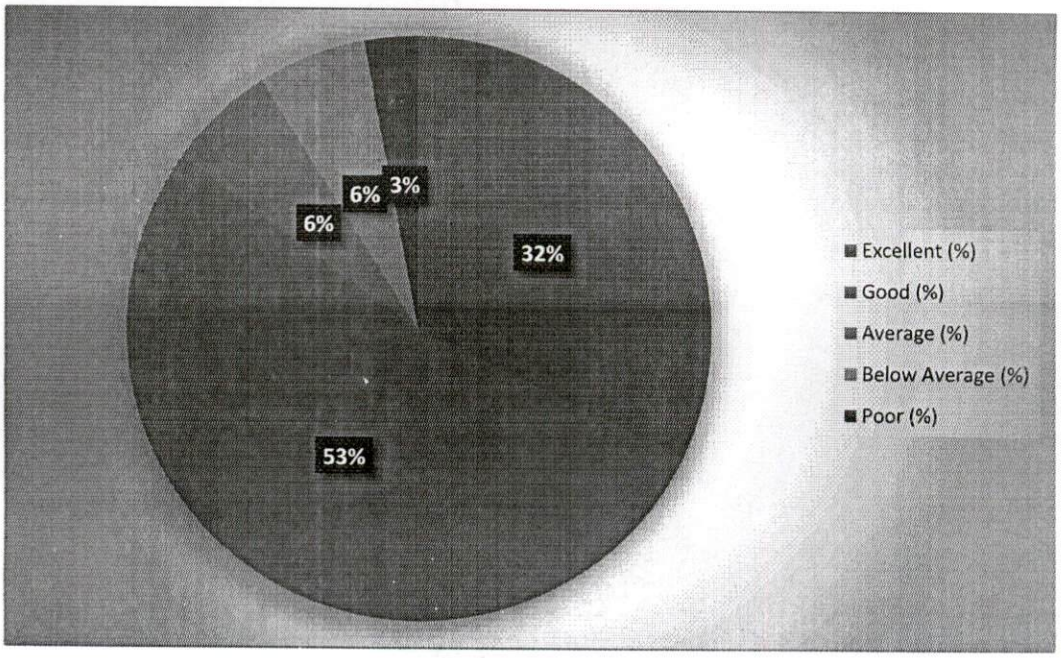
2. The Program Educational Objectives, Program outcomes, Program Specific Outcomes, Course Objectives and Course Outcomes are well defined and clear.



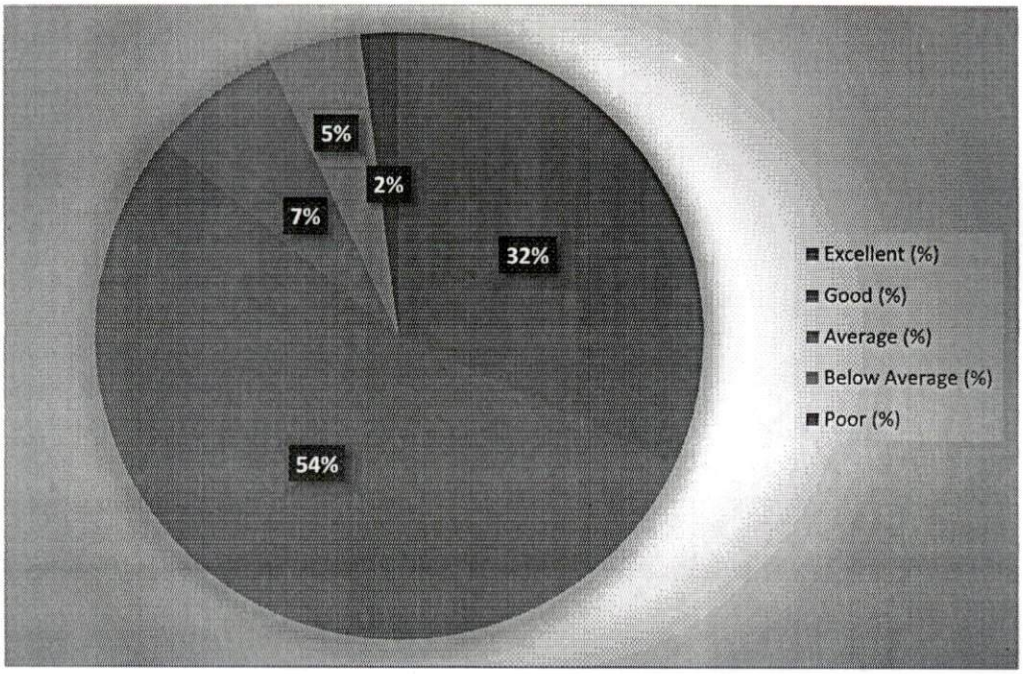
3. Curriculum has good balance of Theory and Practical courses.



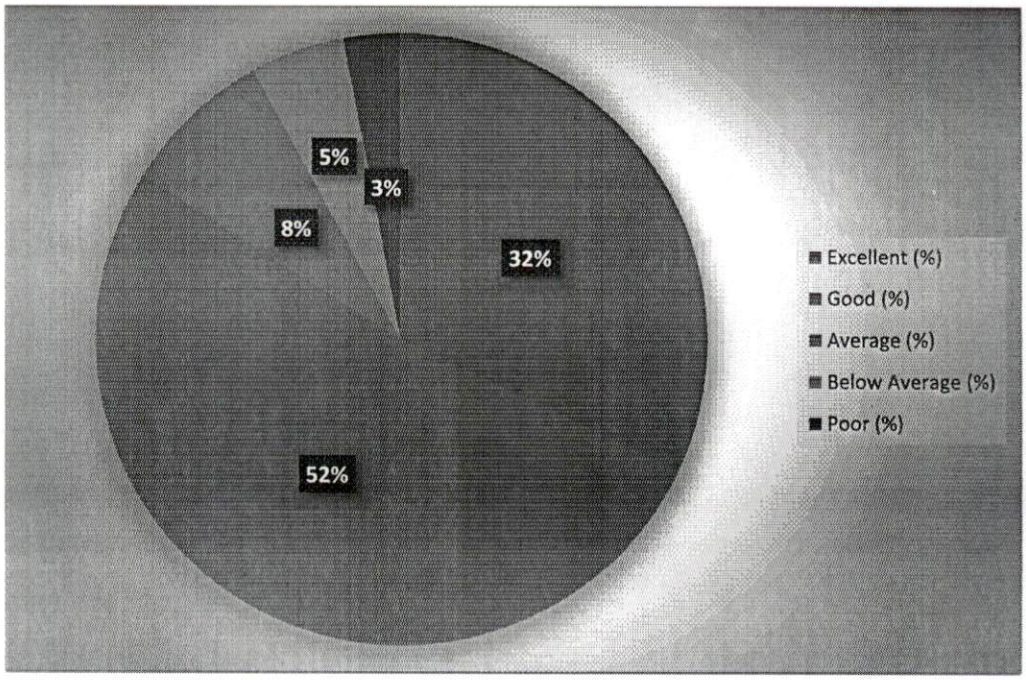
4. Faculty have the freedom to adopt new techniques for teaching like seminars, presentations, group discussions, flip class room etc.



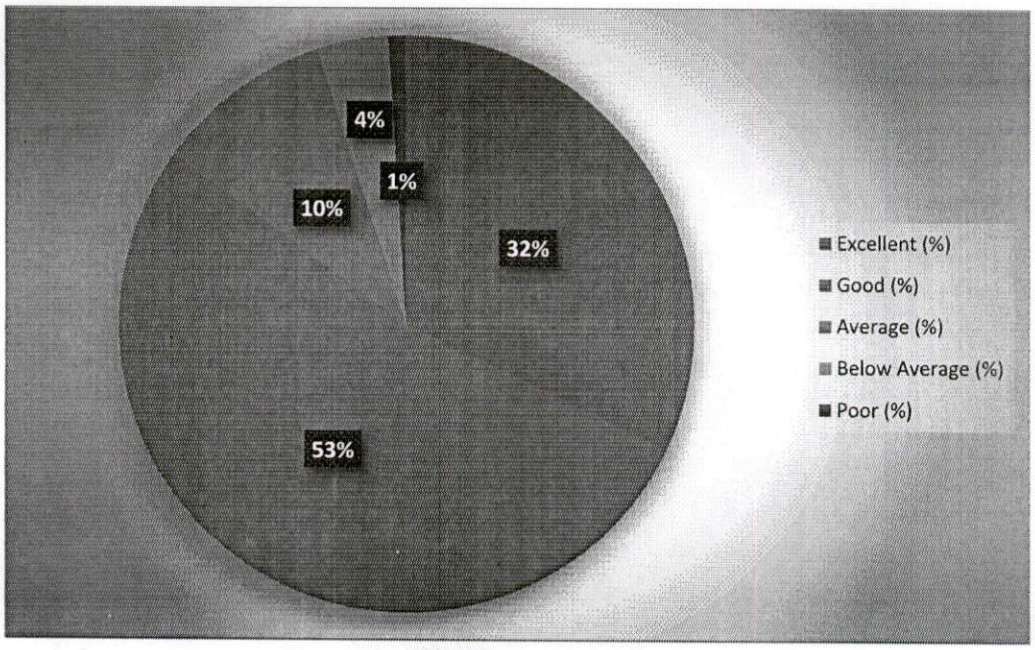
5. The hands on experience gained by the students through the laboratory courses is up to the expectations.



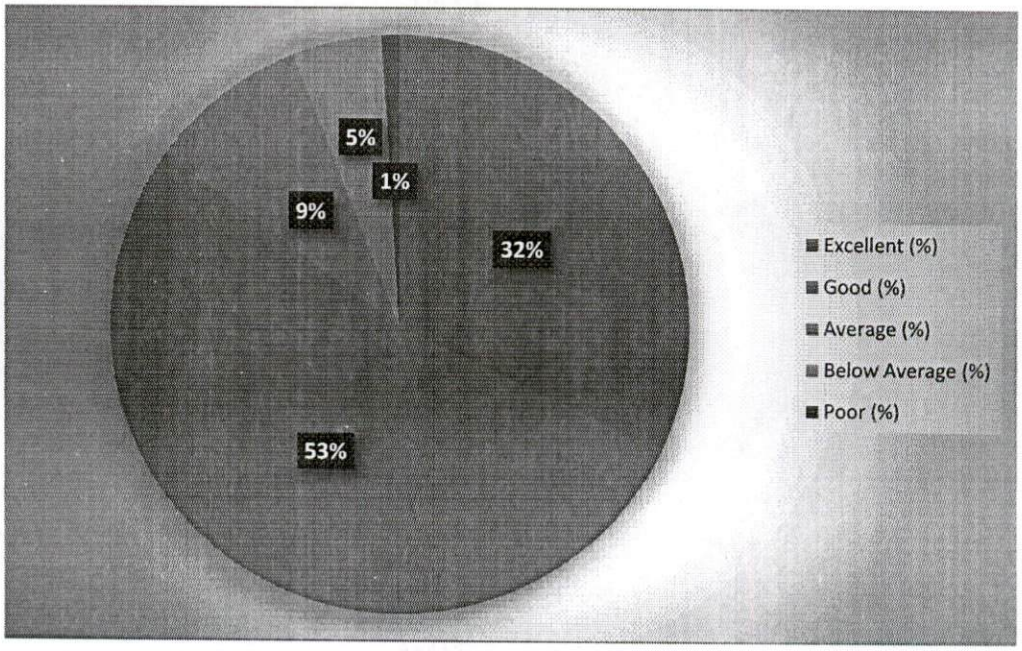
6. The students attain the PEOs, POs, PSOs and COs satisfactorily.



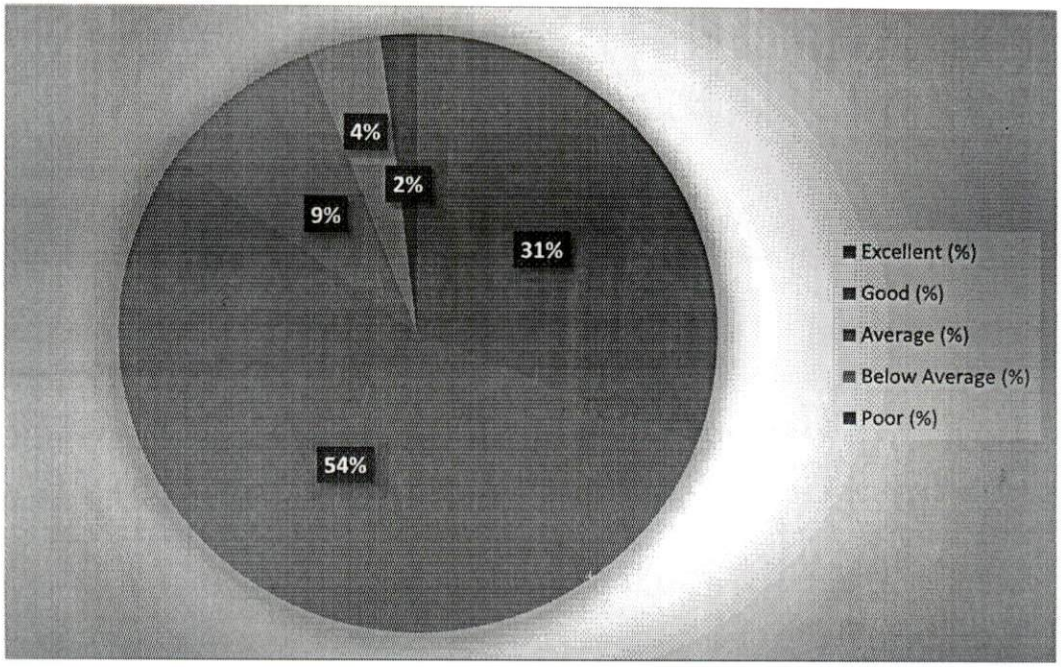
7. There is adequate emphasis on employability skills/ skill development/entrepreneurship in the curriculum.



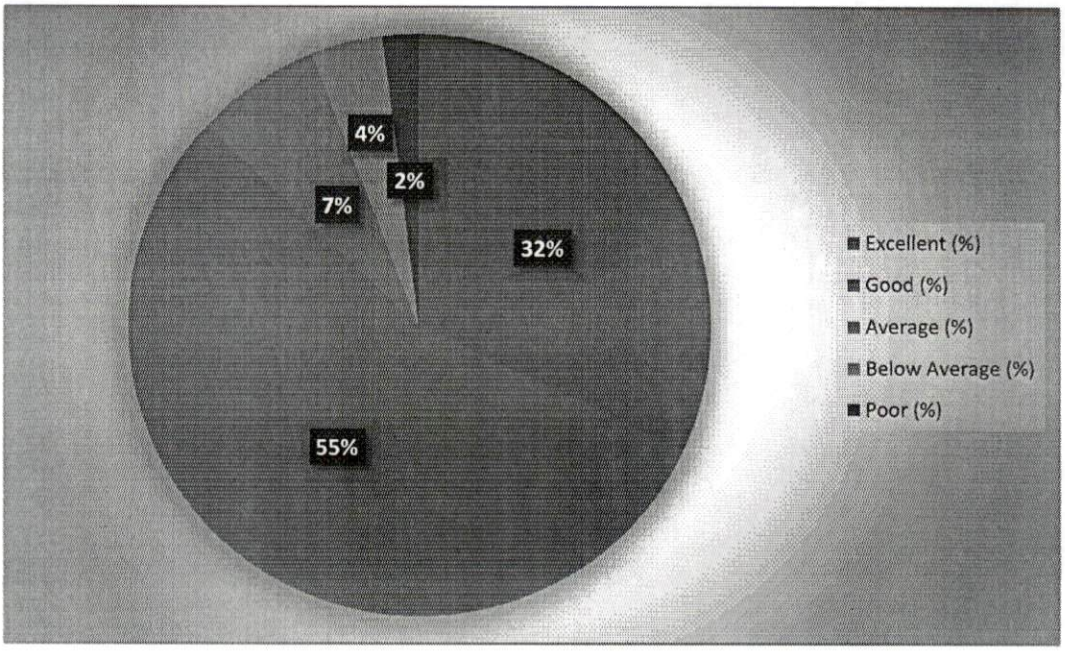
8. There is adequate emphasis on Communication Skills in the Curriculum.



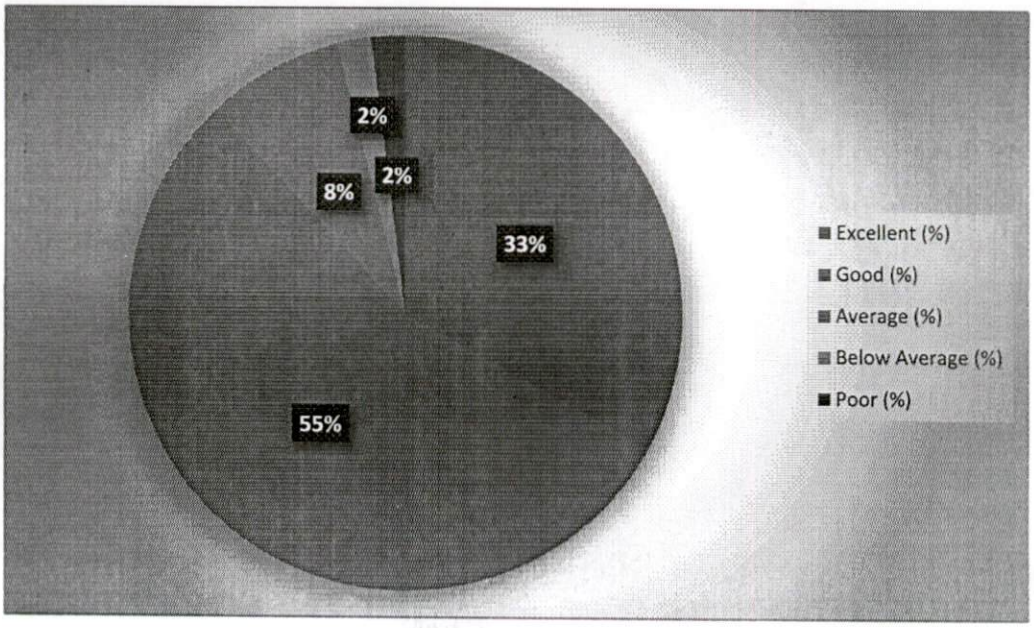
9. There is adequate emphasis on Human Values, ethics and Professionalism in the Curriculum.



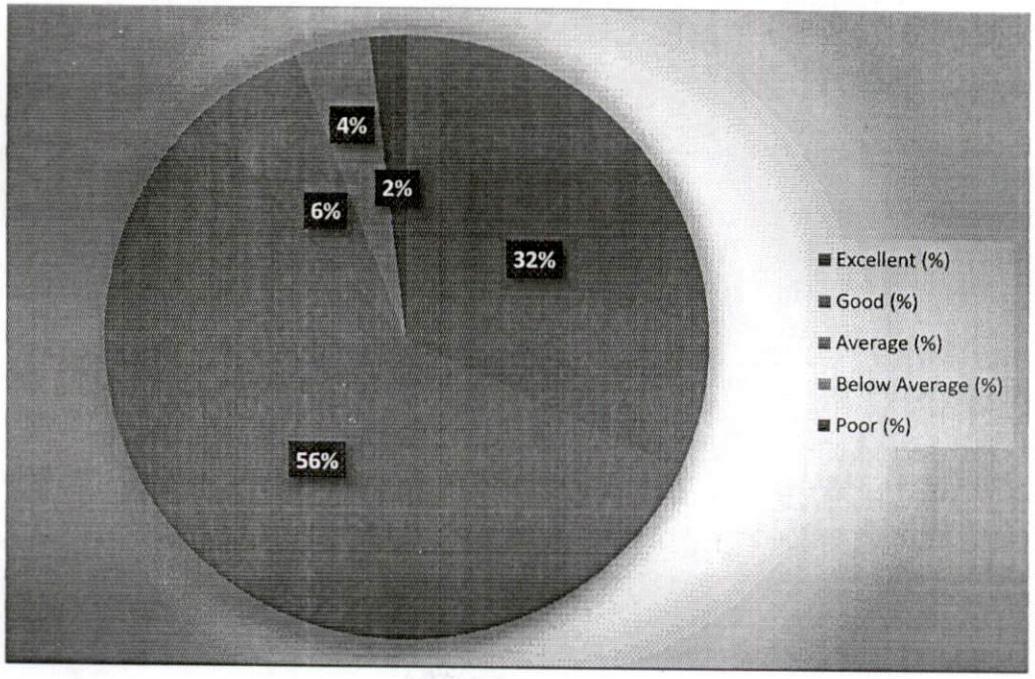
10. The curriculum has sufficient number of electives.



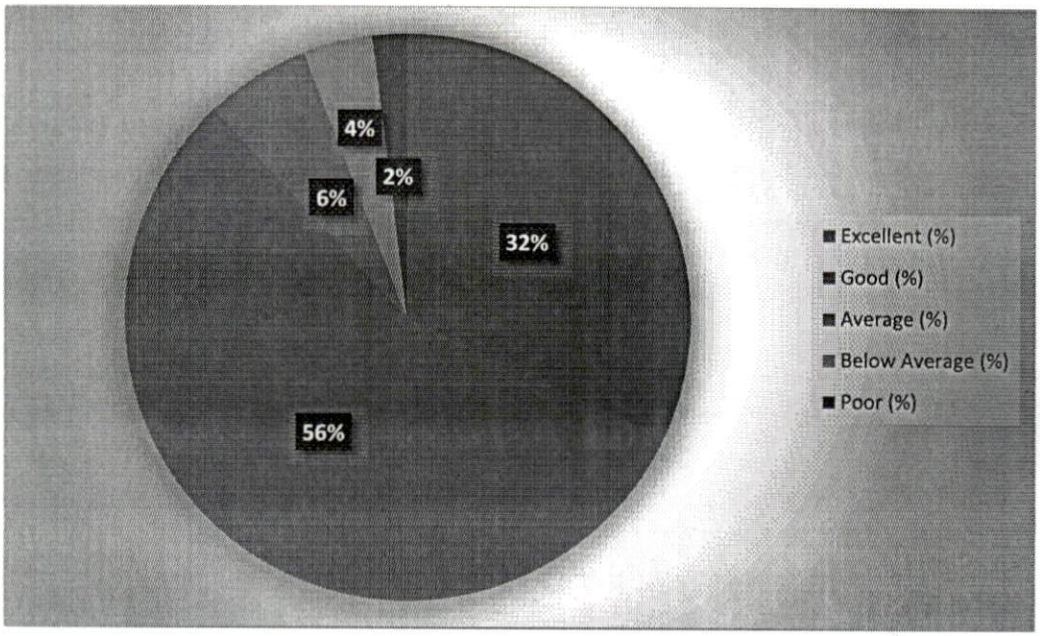
11. The electives offered in the curriculum suits the industry needs and technological advancements.



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



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



Give suggestions for improving the Curriculum

1. Manufacturing casting subject must be included.
2. No. of internships and trainings have to be increased. Exposure to programming language is necessary.
3. Incorporate waste water management as student must have knowledge on how to utilize water without wasting.
5. Extra-curricular activities required

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

1. Students should have knowledge on water and its utilization in an efficient manner.
2. Better to add advanced manufacturing techniques.
3. It is better student have basic knowledge on how it is implemented.

Signature of the HOD

Head of the Department
Department of Mechanical Engineering
Aditya Engineering College (A)
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DEPARTMENT OF MECHANICAL ENGINEERING

Student Feedback on curriculum

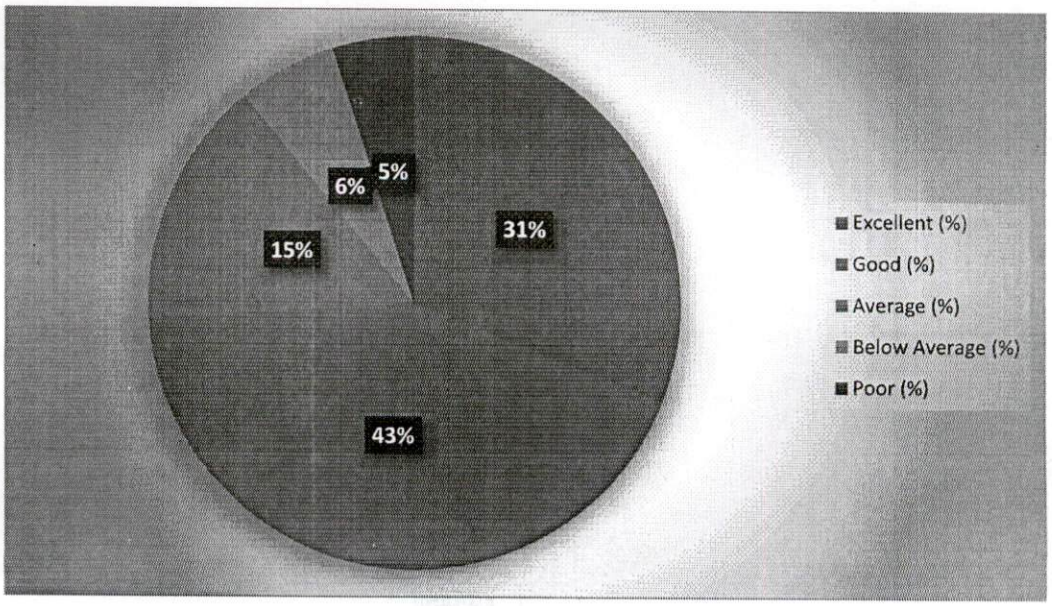
Student Feedback Analysis **(2018 – 19)** for the B. Tech **(Mechanical Engineering)** program.

S. NO	Question related to Curriculum	Opinion of the Student with percentage					Majority opinion	% of Majority Opinion
		Excellent (%)	Good (%)	Average (%)	Below Average (%)	Poor (%)		
1	Curriculum is contemporary and need based	31	43	15	6	5	Excellent & good	74%
2	Curriculum has good balance of Theory and Practical courses	32	43	12	8	6	Excellent & good	75%
3	The curriculum has sufficient number of electives	32	43	14	6	6	Excellent & good	75%
4	There is adequate emphasis on employability skills / skill development/entrepreneurship in the curriculum.	31	44	12	8	6	Excellent & good	75%
5	There is adequate emphasis on Communication Skills in the Curriculum.	32	44	12	8	4	Excellent & good	76%
6	There is adequate emphasis on Human Values, ethics and Professionalism in the Curriculum.	30	47	12	8	3	Excellent & good	77%
7	The electives offered in the curriculum suits the industry needs and technological advancements.	28	49	8	8	7	Excellent & good	77%
8	The books prescribed/listed as reference in curriculum are relevant, appropriate and updated.	33	46	10	8	3	Excellent & good	79%
9	The Program Educational Objectives, Program outcomes, Program Specific Outcomes, Course Objectives and Course Outcomes are well defined and clear.	35	44	8	10	3	Excellent & good	79%
10	The rubrics for assessment is described clearly and there is adequate weightage for Continuous Internal	30	47	12	8	3	Excellent & good	77%

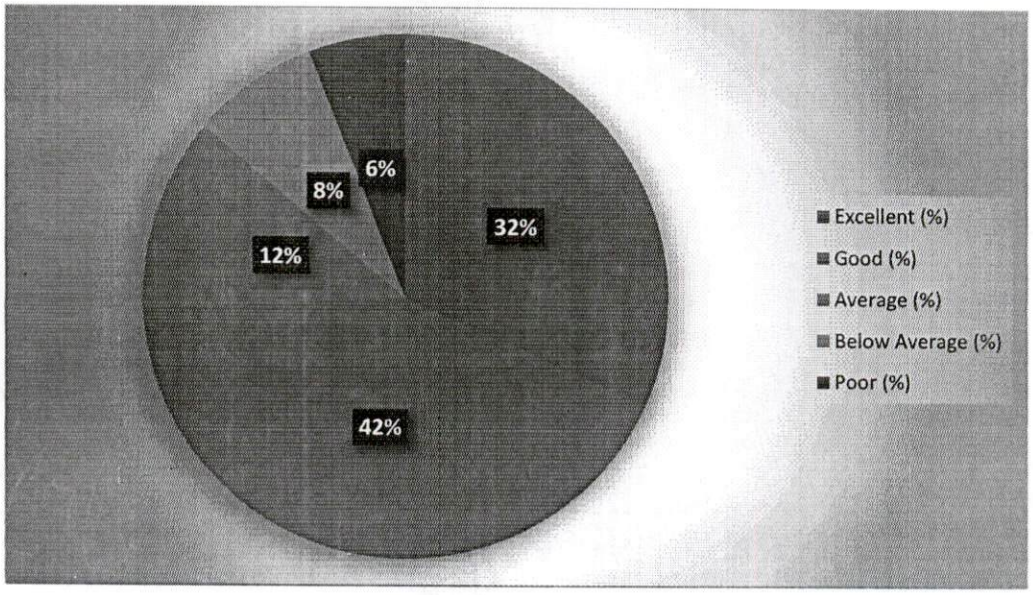
	Evaluation and Semester End Examination.							

Graphical representation of Students feedback on curriculum

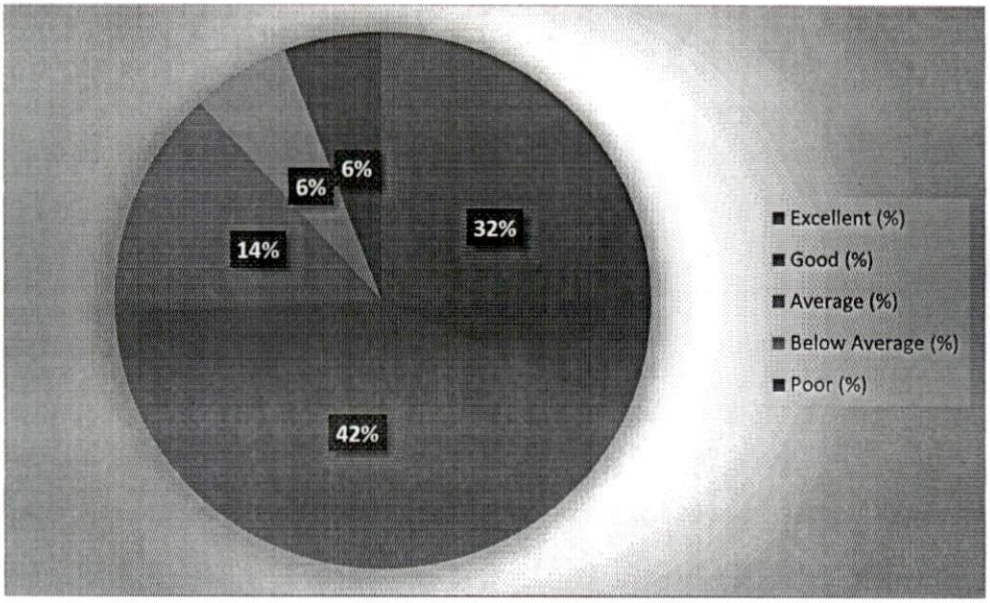
1. Curriculum is contemporary and need based



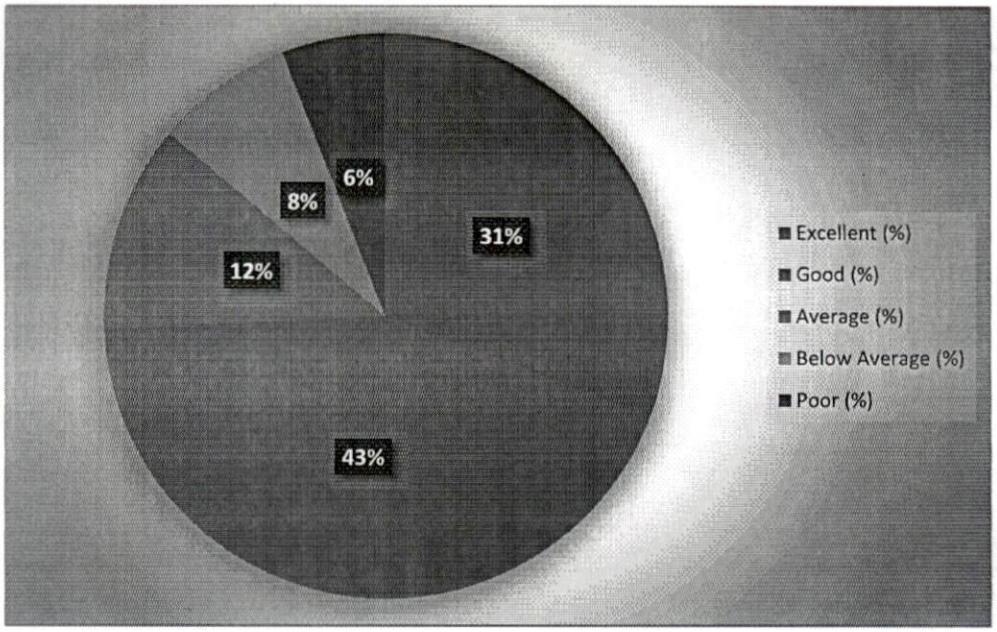
2. Curriculum has good balance of Theory and Practical courses.



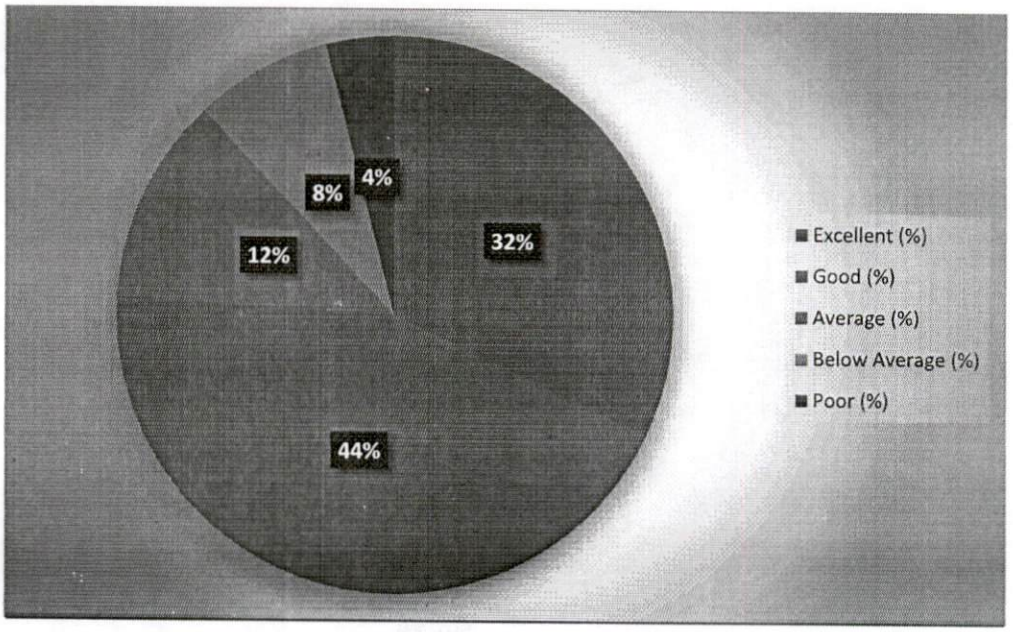
3. The curriculum has sufficient number of electives.



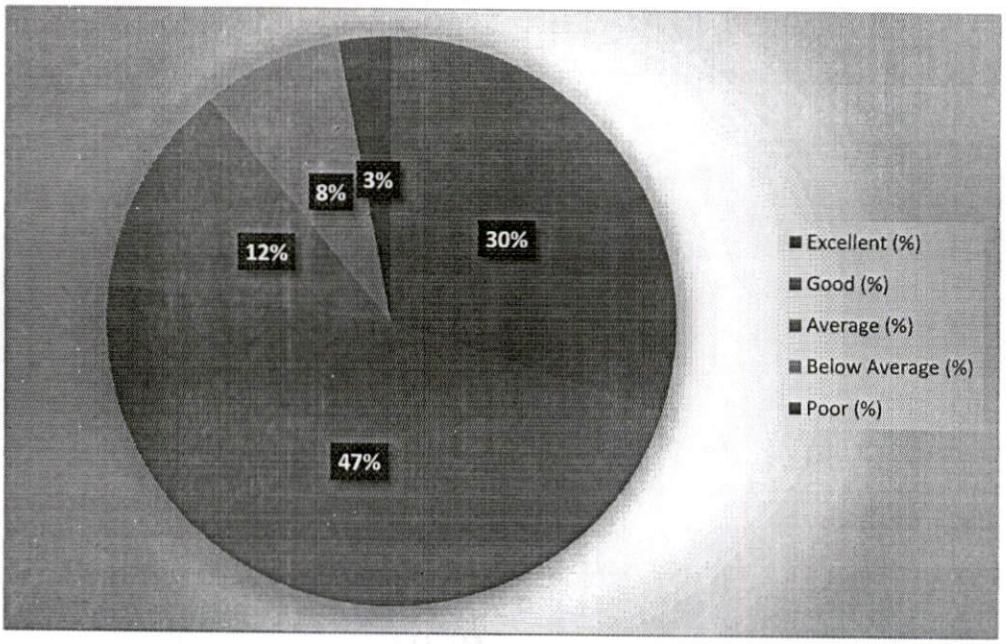
4. There is adequate emphasis on employability skills/ skill development/entrepreneurship in the curriculum.



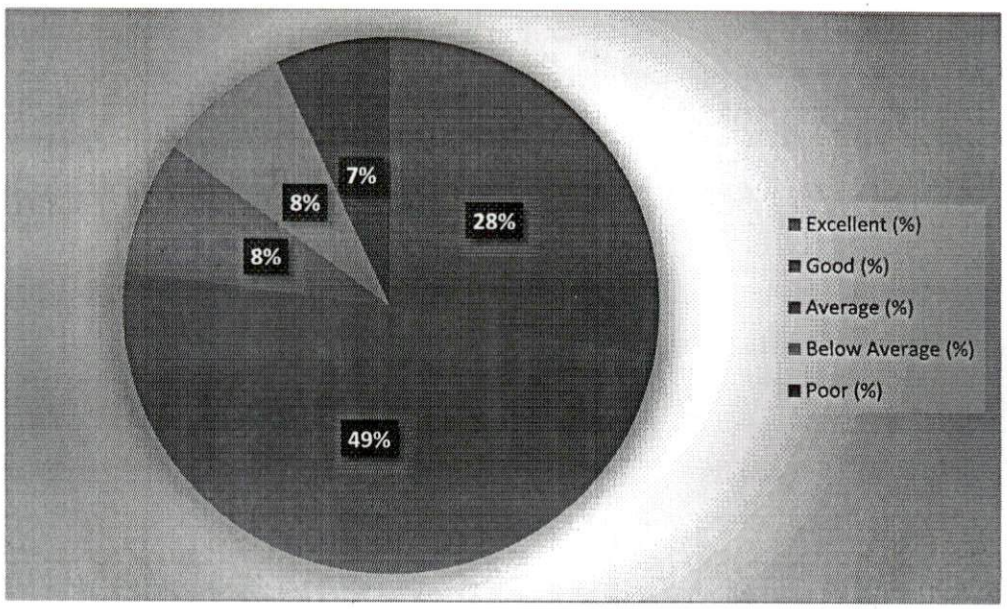
5. There is adequate emphasis on Communication Skills in the Curriculum.



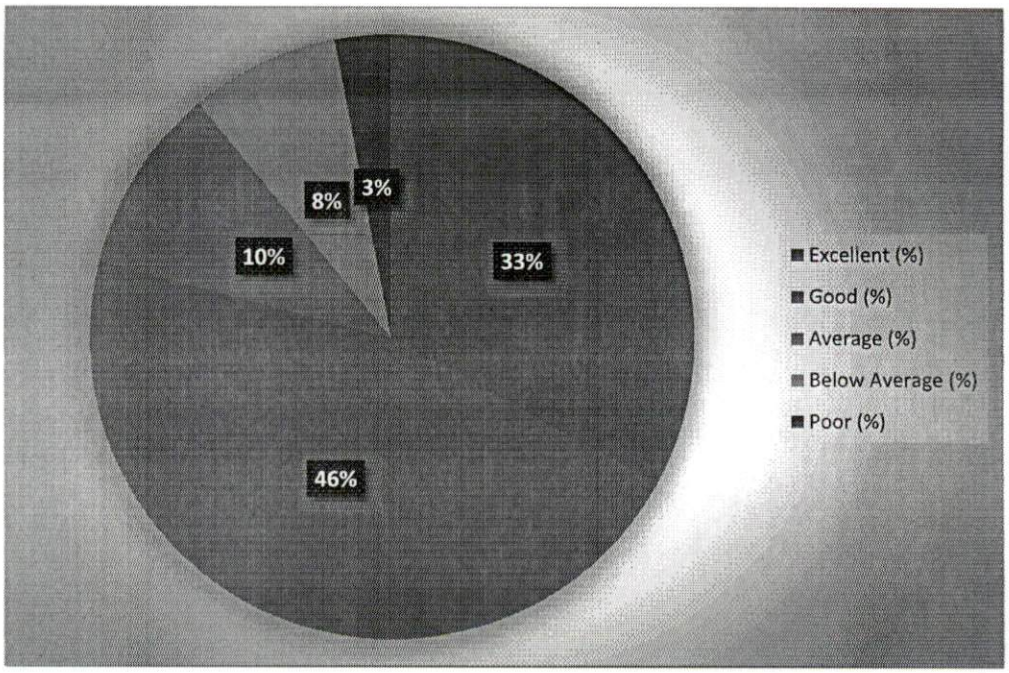
6. There is adequate emphasis on Human Values, ethics and Professionalism in the Curriculum.



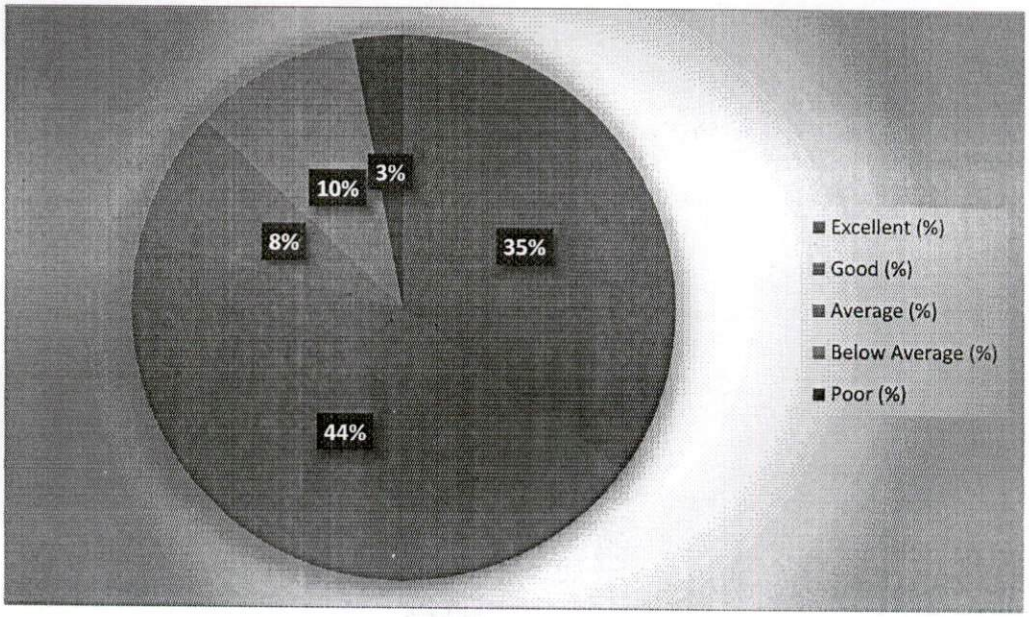
7. The electives offered in the curriculum suits the industry needs and technological advancements.



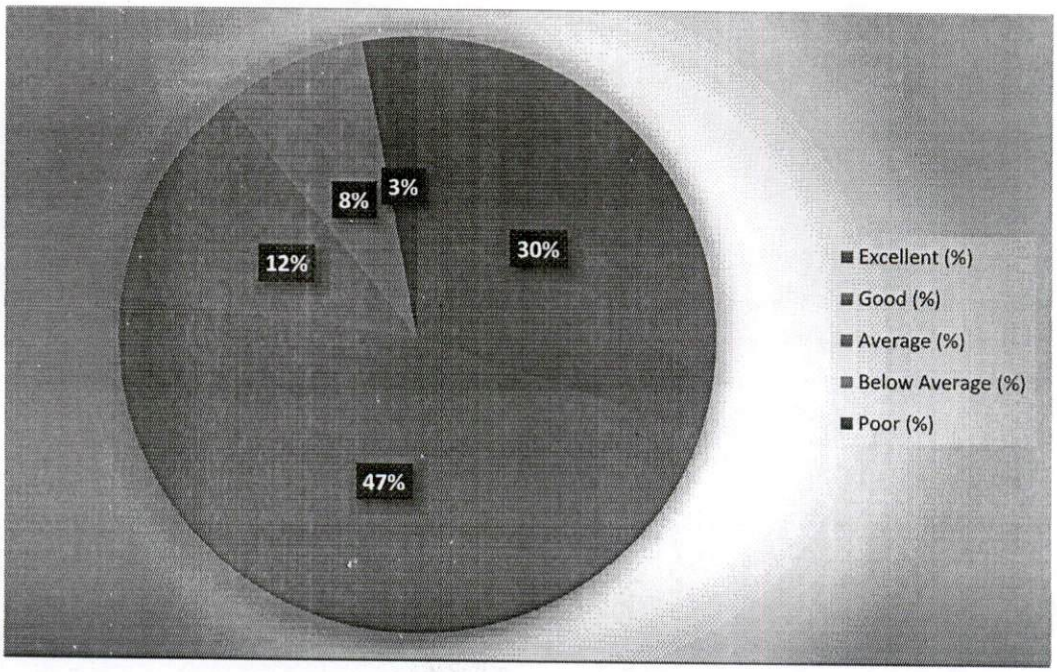
8. The books prescribed/listed as reference in curriculum are relevant, appropriate and updated.



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. It is better to reduce the mechanics of solids subject syllabus.
2. Include Programming related subjects such as python, java.
3. Syllabus should be up to date with current industry trends
4. Design the curriculum in such a way that the student will be industry ready by the end of graduation

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

1. It is suggested to increase field based learning.
2. Please reduce mechanics of solids syllabus.
3. Better to add programming related subjects to syllabus to get IT job.

Signature of the HOD

Head of the Department
Department of Mechanical Engineering
Aditya Engineering College (A)
SURAMPALEM-533 437