ADITYA ENGINEERING COLLEGE

An Autonomous Institution

Approved by AICTE • Permanently Affiliated to JNTUK • Accredited by NAAC with 'A' Grade

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

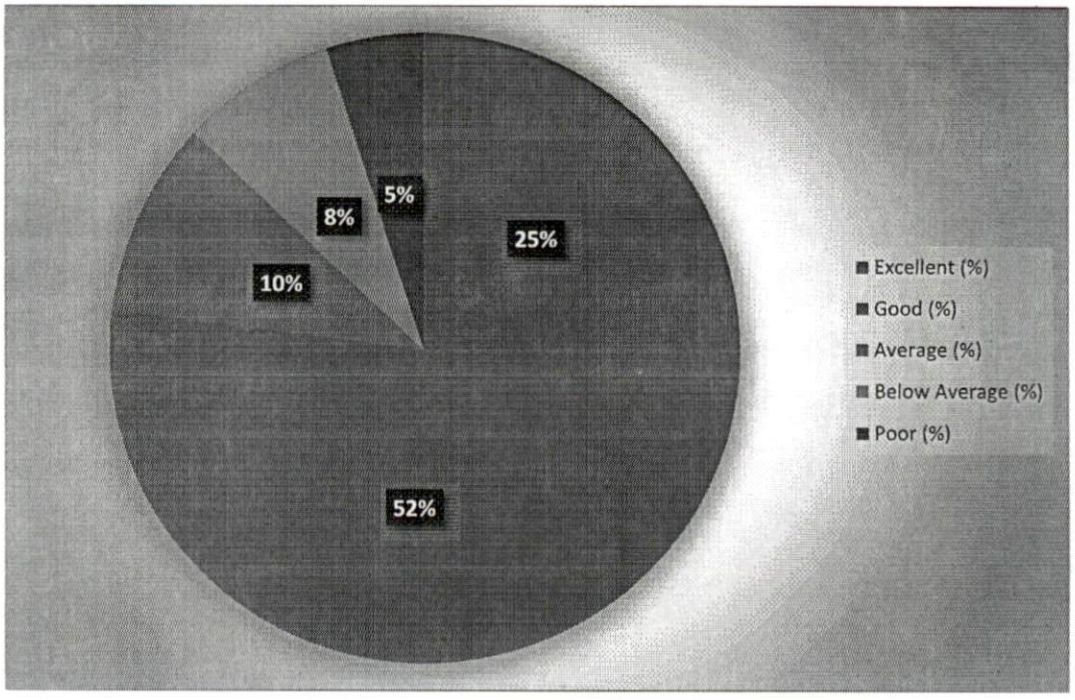
Alumni Feedback on curriculum

Alumni Feedback Analysis **(2019 - 20)** for the **B. Tech (Mechanical Engineering)** program.

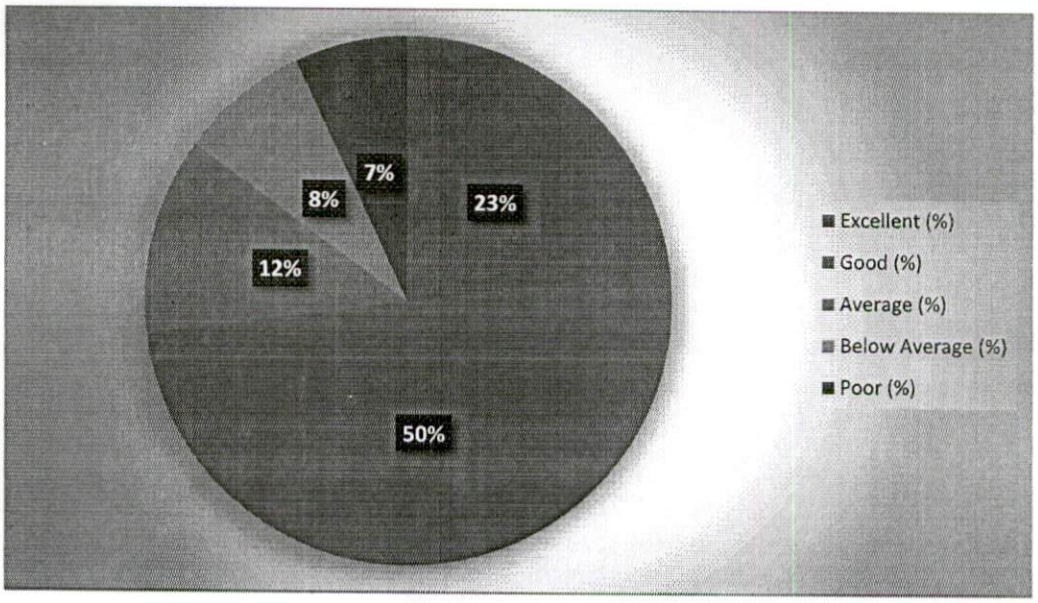
S. NO	Question related to Curriculum	Opinion of the alumni with percentage					Majority opinion	% of Majority Opinion
		Excellent (%)	Good (%)	Average (%)	Below Average (%)	Poor (%)		
1	Curriculum is contemporary and need based	25	52	10	8	5	Excellent & good	77%
2	There is adequate emphasis on employability skills/ skill development/entrepreneurship in the curriculum	23	50	12	8	7	Excellent & good	73%
3	The electives offered in the curriculum suits the industry needs and technological advancements.	21	50	10	10	9	Excellent & good	71%

Graphical representation of Alumni feedback analysis

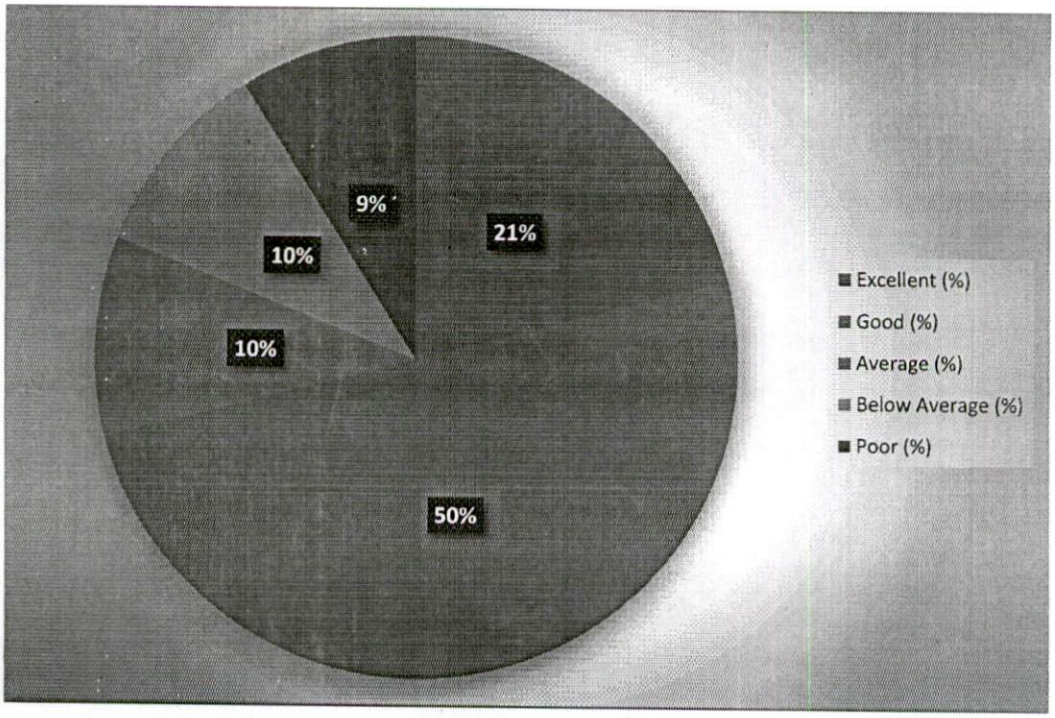
1. **Curriculum is contemporary and need based**



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. Remove software course in the 1st semester.
2. Add java
3. Manufacturing Casting
4. AutoCAD

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

1. Computer Graphics
2. Programming languages
3. Data science
4. Add IOT to curriculum to understand new technology.

Give any other suggestions for improving the Curriculum

1. Better to reduce number of labs in the 1st semester.
2. No suggestions
3. Want Telugu lectures class also not only in English some are not understand due to mother tongue
4. Practical knowledge and theoretical knowledge should be simultaneously taught.

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

1. It will be a difficult task for fresh mechanical engineering graduate to handle software background courses in the very first semester.
2. Better to divide Engineering Graphics and design as two different courses which are included as a single subject in the 1st semester.
3. Essential Electrical and Electronics Engineering, Essential Electrical and Electronics Engineering lab, Mechanical Engineering work shop lab are included in same semester

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

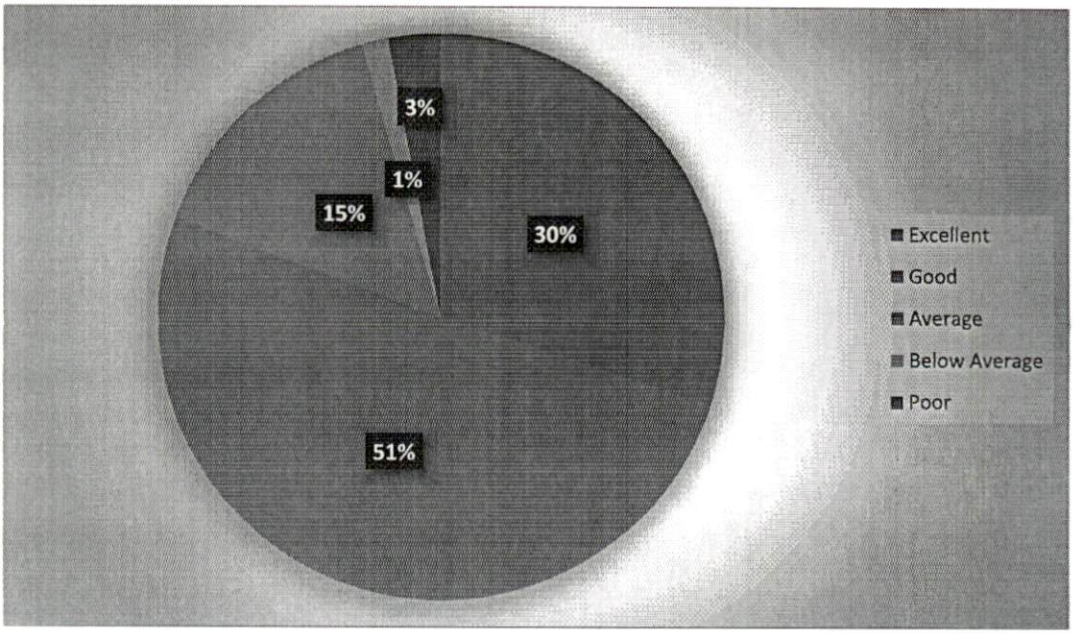
Employer Feedback on curriculum

Employer Feedback Analysis **(2019 - 20)** for the B. Tech **(Mechanical Engineering)** program.

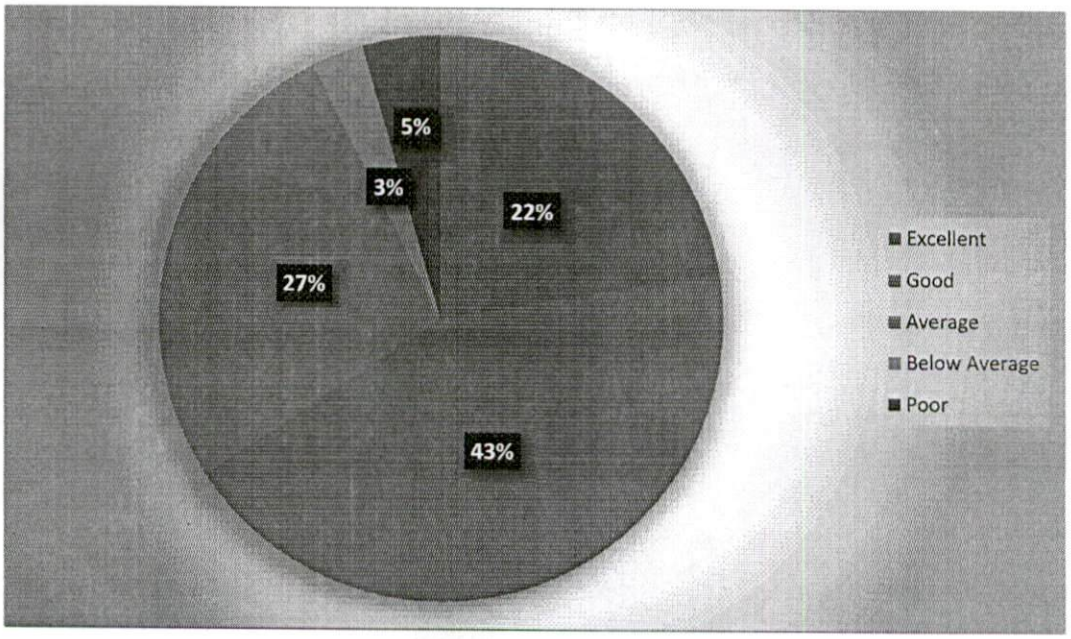
S. NO	Question related to Curriculum	Opinion of the Employer with percentage					Majority opinion	% of Majority Opinion
		Excellent (%)	Good (%)	Average (%)	Below Average (%)	Poor (%)		
1	Curriculum is contemporary and need based	30	51	15	1	3	Excellent & good	81%
2	There is adequate emphasis on employability skills/ skill development/entrepreneurship in the curriculum	22	43	27	3	5	Excellent & good	67%
3	The electives offered in the curriculum suits the industry needs and technological advancements.	24	48	21	4	3	Excellent & good	72%

Graphical representation of Employer feedback analysis

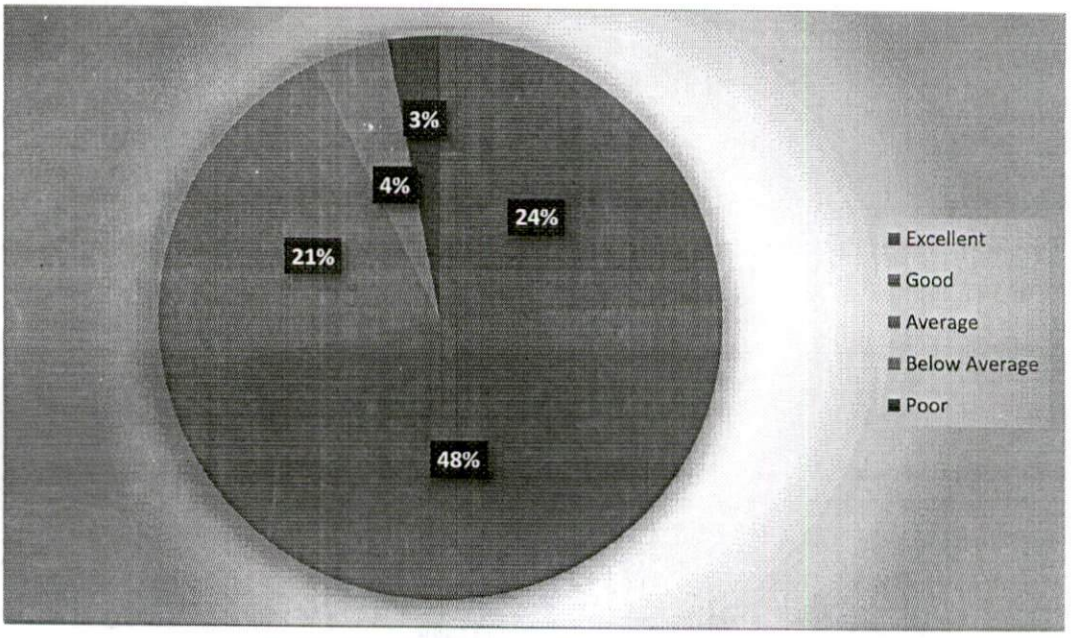
1. **Curriculum is contemporary and need based**



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. There is high completion in the present world, so employability skills are needed to face the era of technological disruption.
2. It is good no need to remove or add
3. Add python to all non-circuit branches as an elective
4. Python has to add

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

1. Mini projects.
2. Auto cad, CATIA & Sold works
3. Coding must be compulsory
4. Aptitude and reasoning, core subjects.

Any other suggestions on Curriculum

1. Industry visits add.
2. Add some more programming languages in Curriculum
3. Add Python Pega and Testing Tools
4. It is good no change needed.

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

1. Suggested that students need to have an insight in solving real world problems.
2. Suggested that students should be strong enough in employability skills
3. Suggested strong industry exposure to the students.

Signature of the HOD

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DEPARTMENT OF MECHANICAL ENGINEERING

Teacher Feedback on curriculum

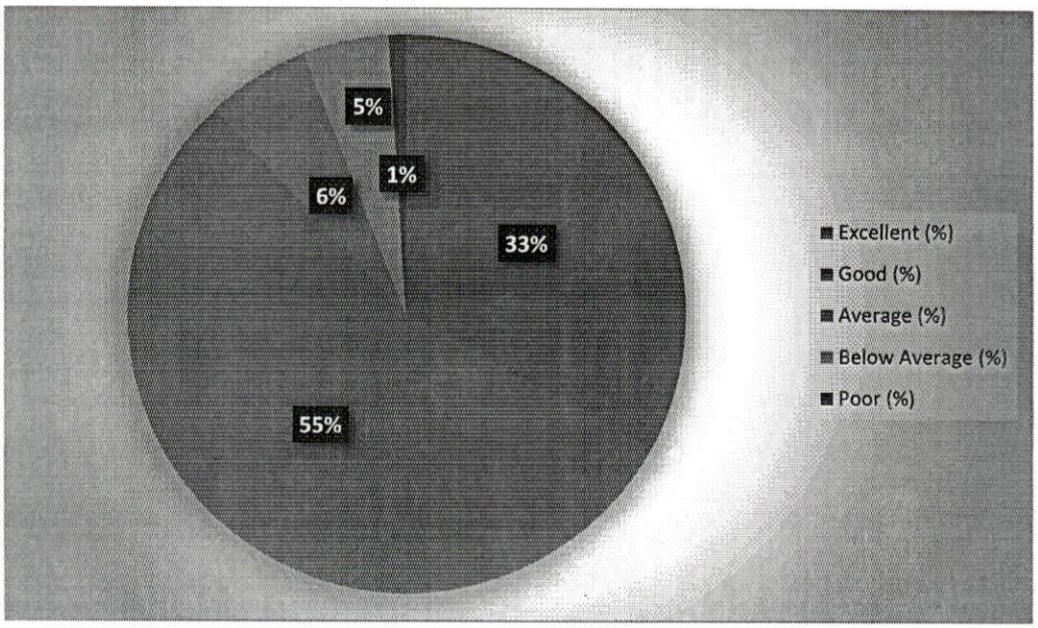
Teacher Feedback Analysis **(2019 - 20)** for the B. Tech **(Mechanical Engineering)** program.

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	33	55	6	5	1	Excellent & good	88%
2	The Program Educational Objectives, Program outcomes, Program Specific Outcomes, Course Objectives and Course Outcomes are well defined and clear.	32	56	6	4	2	Excellent & good	88%
3	Curriculum has good balance of Theory and Practical courses.	34	55	6	4	1	Excellent & good	89%
4	Faculty have the freedom to adopt new techniques for teaching like seminars, presentations, group discussions, flip class room etc.	34	56	6	3	1	Excellent & good	90%
5	The hands on experience gained by the students through the laboratory courses is up to the expectations.	35	54	7	3	1	Excellent & good	89%
6	The students attain the PEOs, POs, PSOs and COs satisfactorily.	34	54	6	4	2	Excellent & good	88%
7	There is adequate emphasis on employability skills/ skill development/entrepren	34	54	6	4	2	Excellent & good	88%

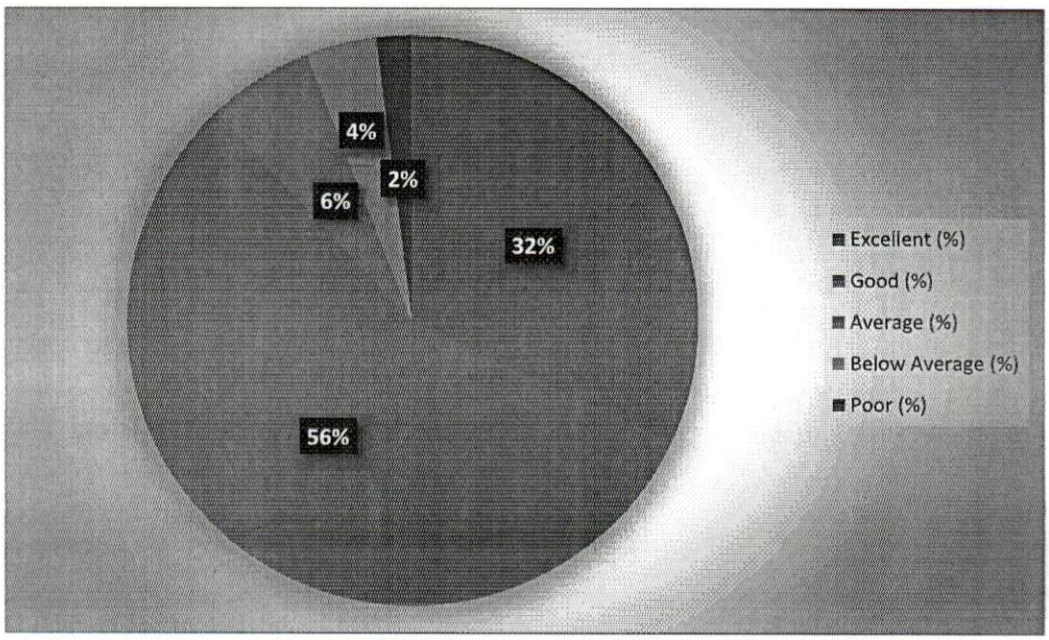
	eurship in the curriculum.							
8	There is adequate emphasis on Communication Skills in the Curriculum	32	53	7	5	3	Excellent & good	85%
9	There is adequate emphasis on Human Values, ethics and Professionalism in the Curriculum.	32	53	8	5	2	Excellent & good	85%
10	The curriculum has sufficient number of electives.	33	53	8	5	1	Excellent & good	86%
11	The electives offered in the curriculum suits the industry needs and technological advancements.	34	56	6	3	1	Excellent & good	90%
12	The books prescribed/listed as reference in curriculum are relevant, appropriate and updated.	32	56	7	3	1	Excellent & good	88%
13	The rubrics for assessment is described clearly and there is adequate weightage for Continuous Internal Evaluation and Semester End Examination	31	57	6	4	2	Excellent & good	88%

Graphical representation of Teacher feedback on curriculum

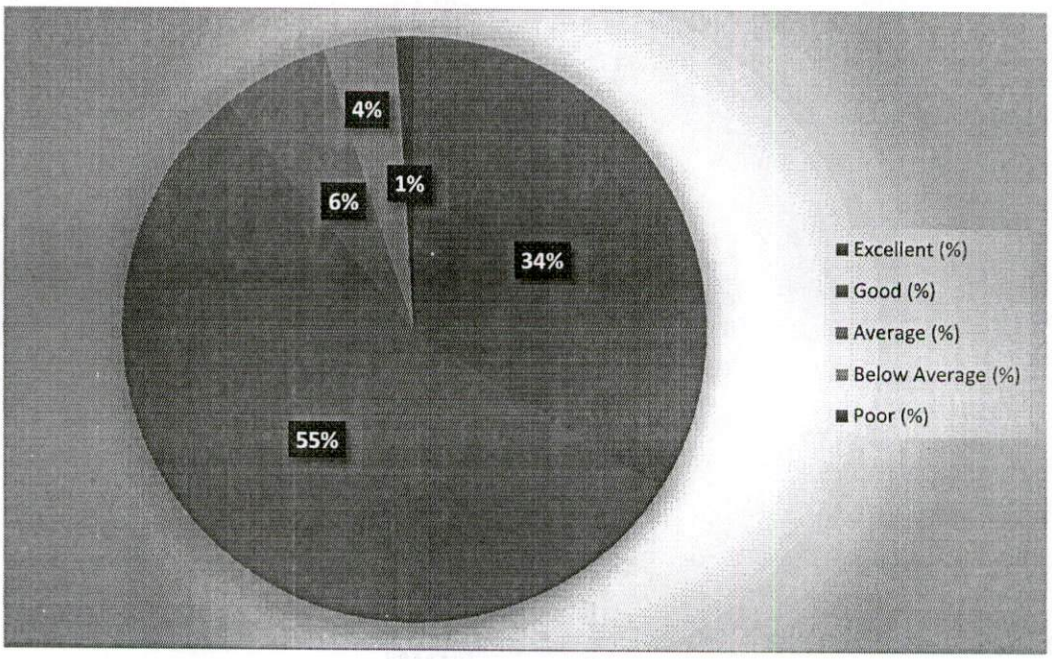
1. Curriculum is contemporary and need based



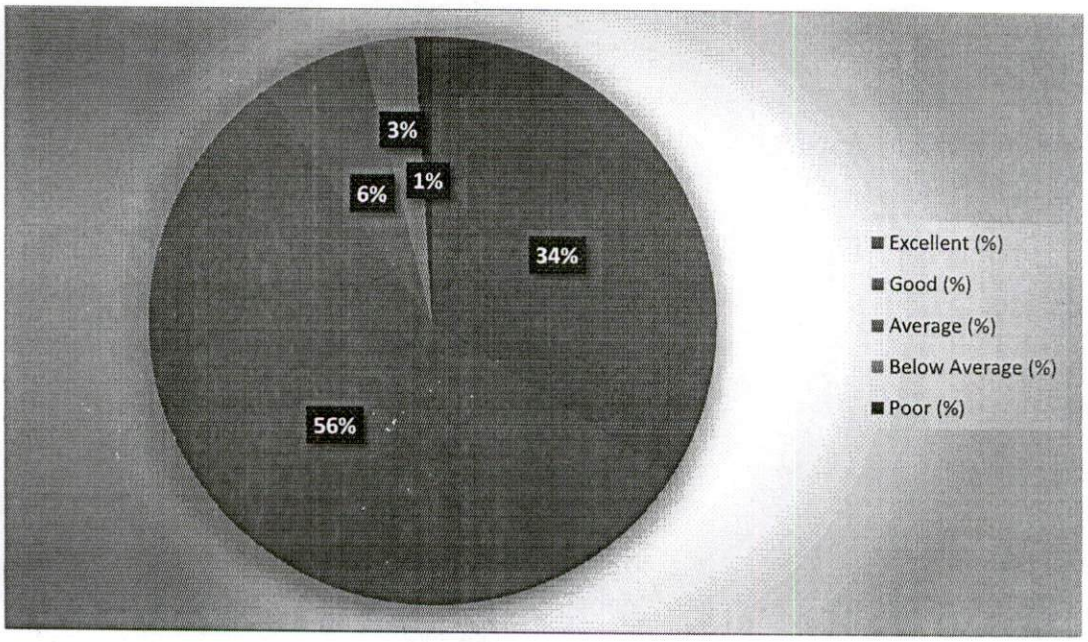
2. The Program Educational Objectives, Program outcomes, Program Specific Outcomes, Course Objectives and Course Outcomes are well defined and clear.



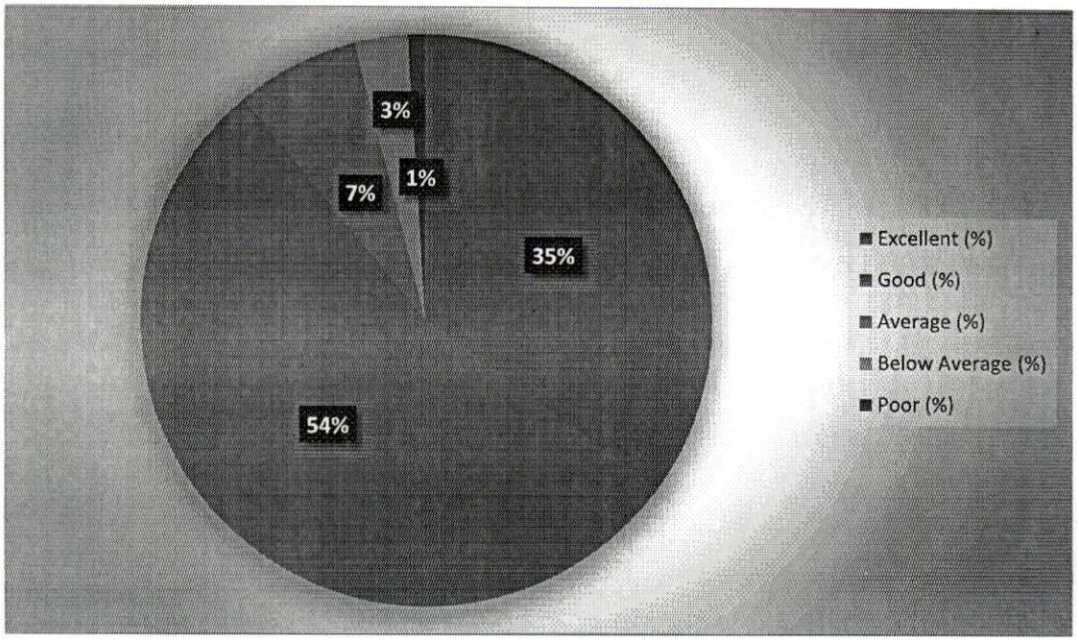
3. Curriculum has good balance of Theory and Practical courses.



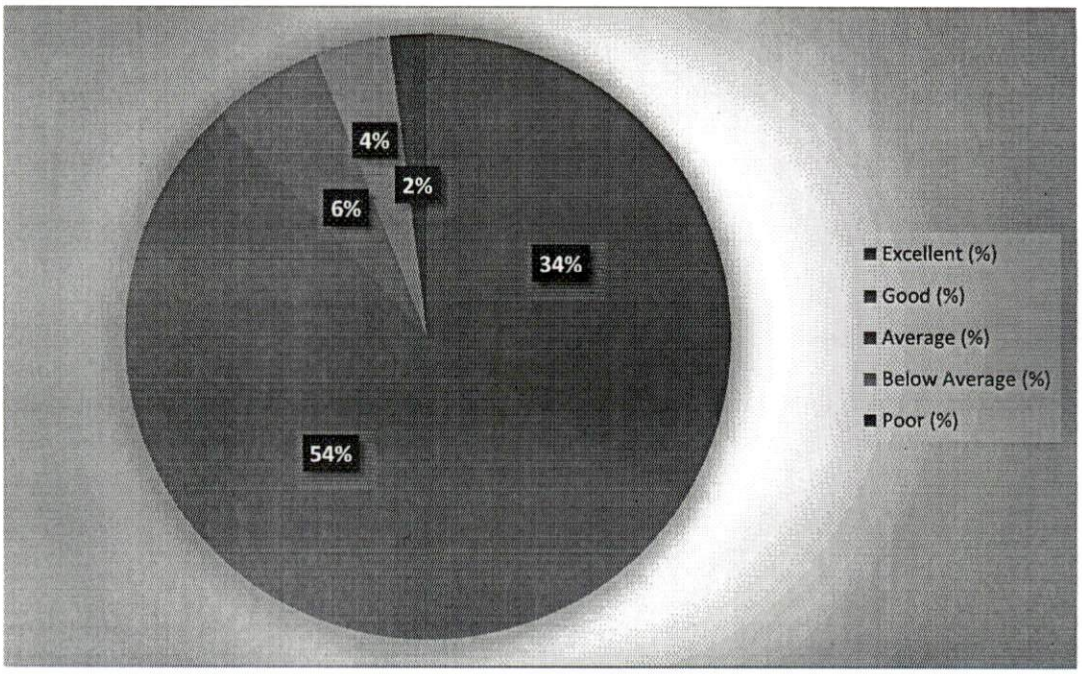
4. Faculty have the freedom to adopt new techniques for teaching like seminars, presentations, group discussions, flip class room etc.



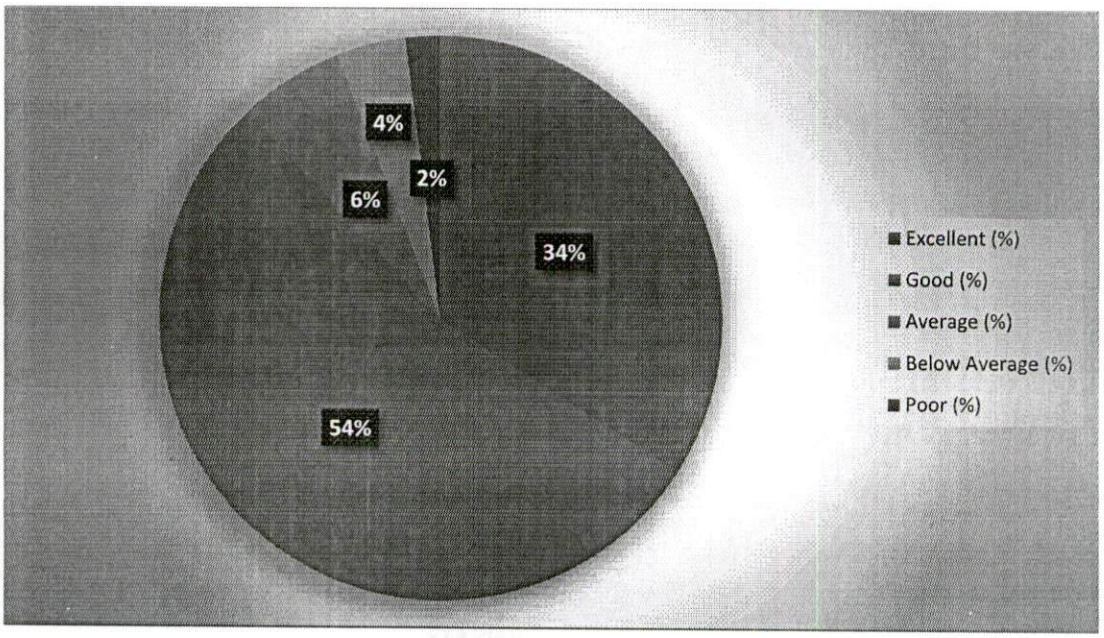
5. The hands on experience gained by the students through the laboratory courses is up to the expectations.



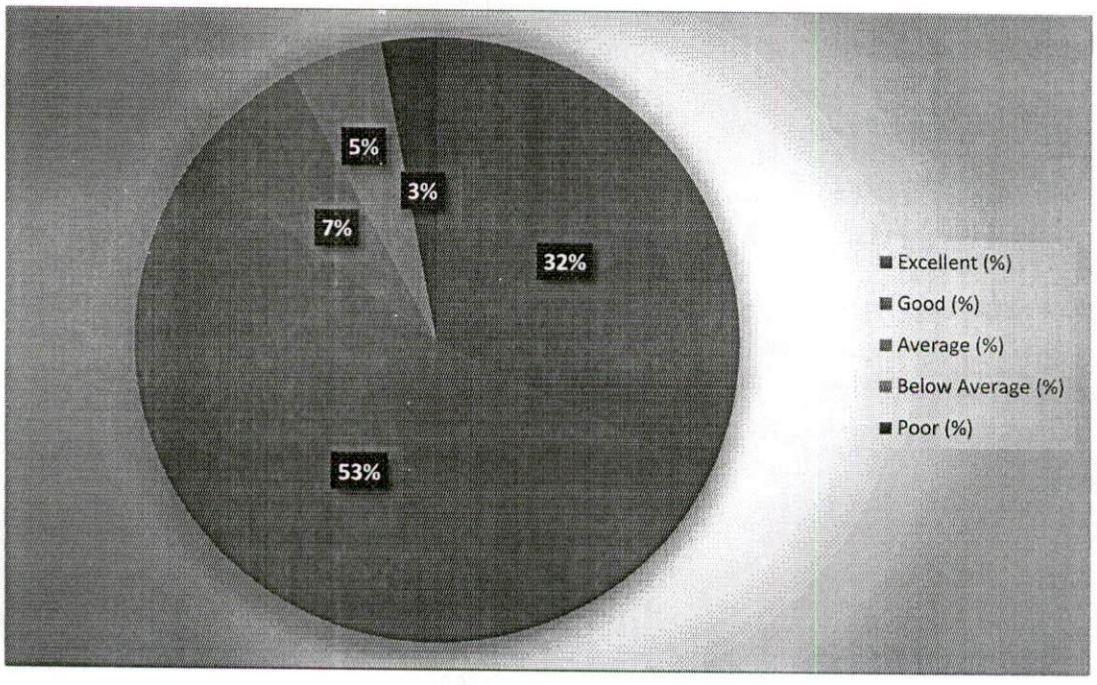
6. The students attain the PEOs, POs, PSOs and COs satisfactorily.



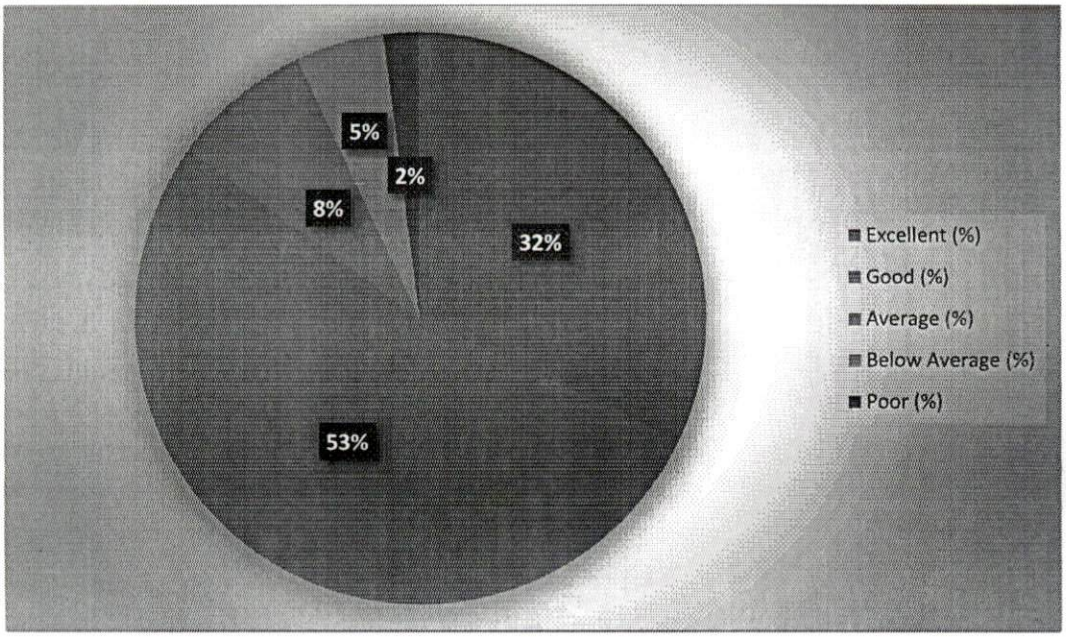
7. There is adequate emphasis on employability skills/ skill development/entrepreneurship in the curriculum.



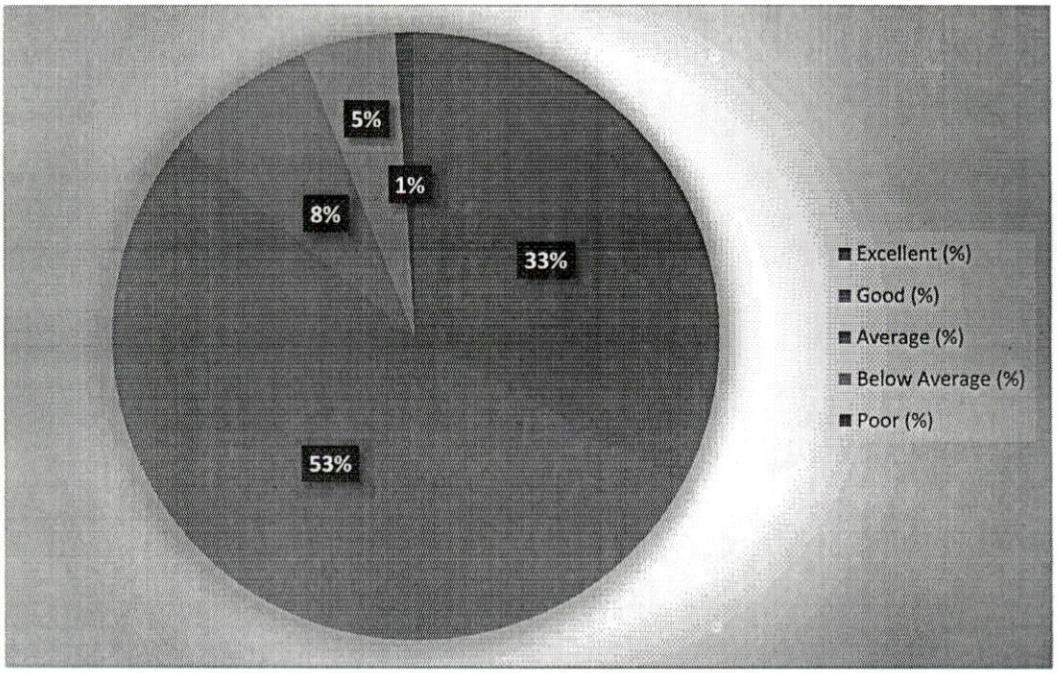
8. There is adequate emphasis on Communication Skills in the Curriculum.



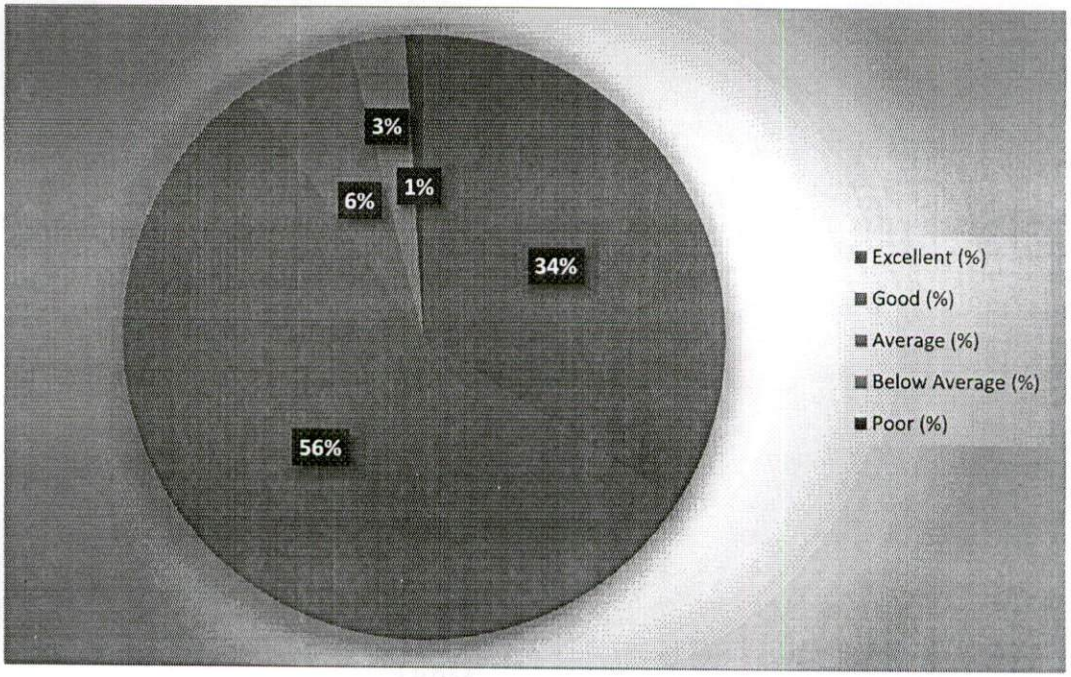
9. There is adequate emphasis on Human Values, ethics and Professionalism in the Curriculum.



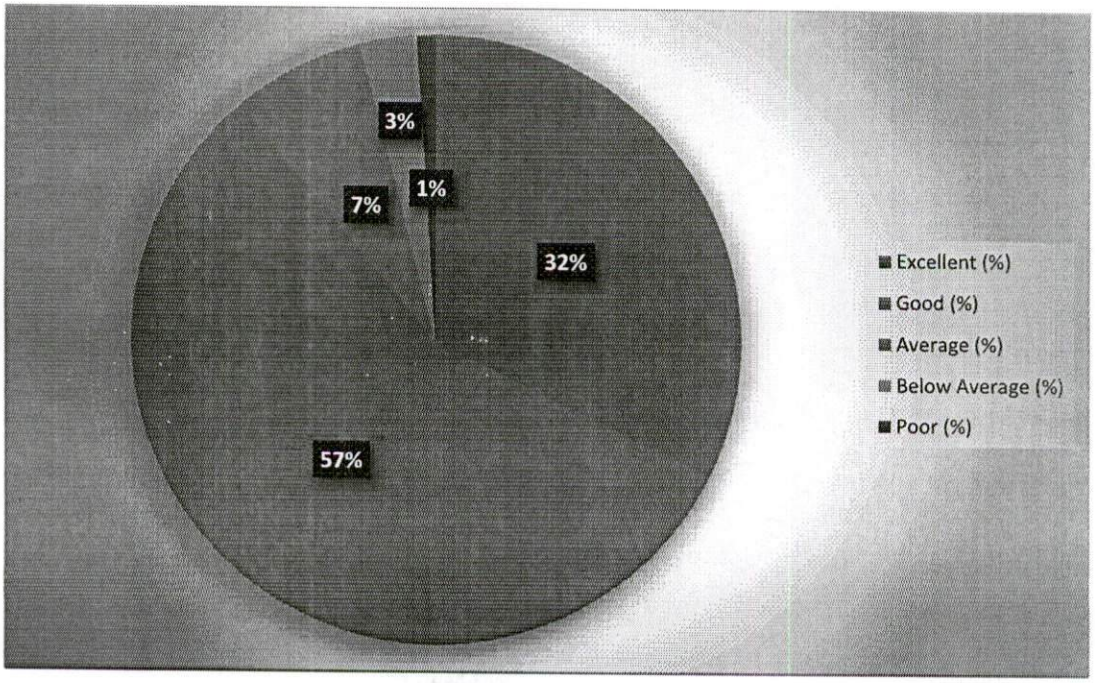
10. The curriculum has sufficient number of electives.



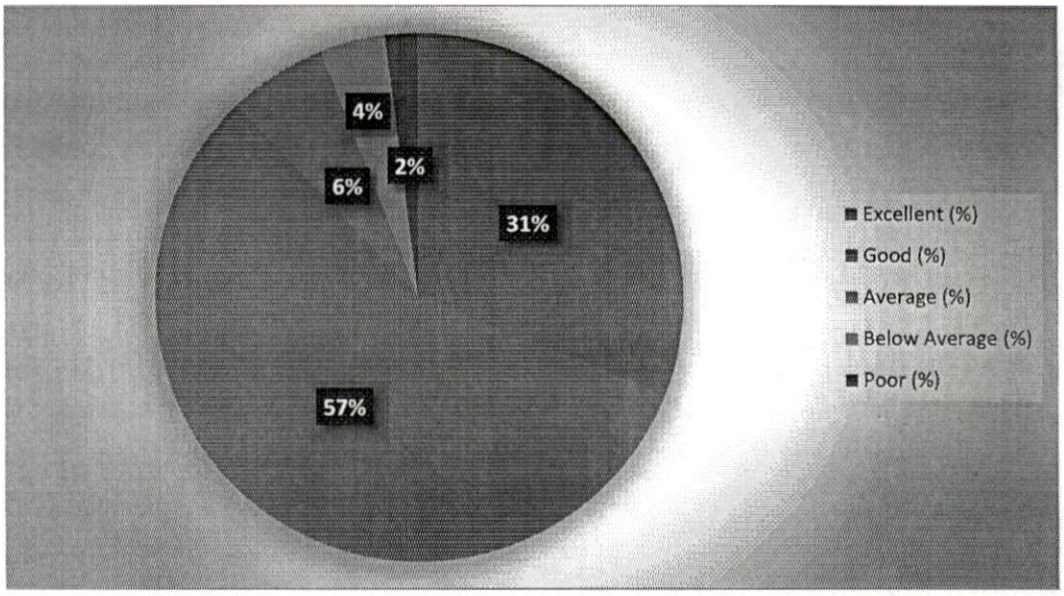
11. The electives offered in the curriculum suits the industry needs and technological advancements.



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. Access to high quality journals must be given.
2. Need to conduct seminars on human values and ethics to students.
3. Need to concentrate on to indulge the ethics and human values to students
4. The curriculum designed is up to the expectations
5. Better to add advanced courses such as vibrations, composite materials for better research capabilities.

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

1. Suggested to involve advanced courses based on specialization.
2. Inputs from subject experts to improve the curriculum
3. Suggested free access to online journals.

Signature of the HOD

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DEPARTMENT OF MECHANICAL ENGINEERING

Student Feedback on curriculum

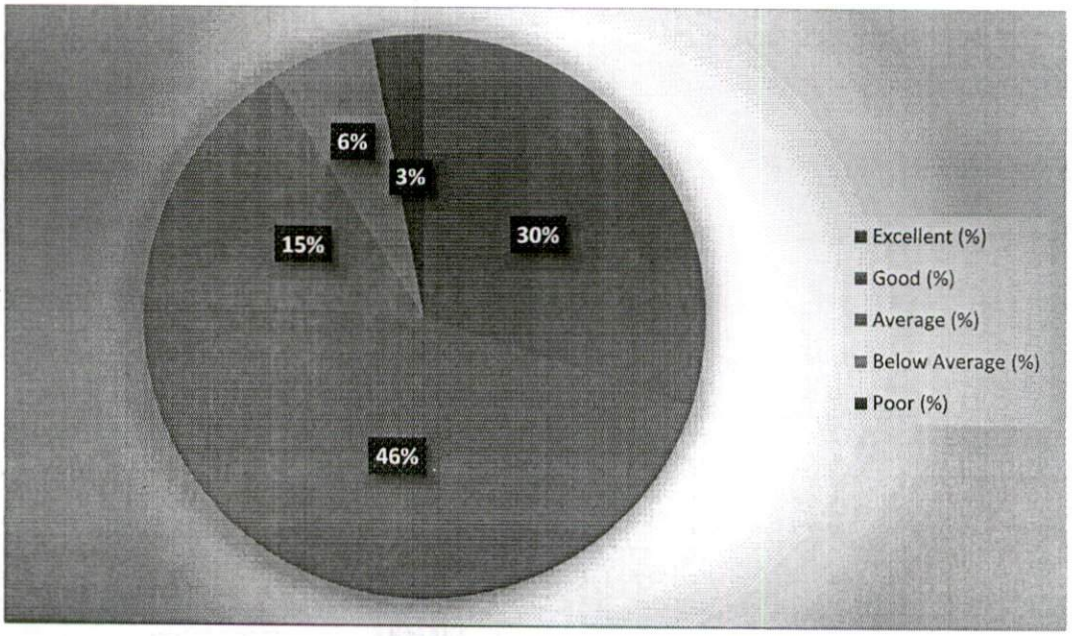
Student Feedback Analysis **(2019 - 20)** for the B. Tech **(Mechanical Engineering)** program.

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	30	46	15	6	3	Excellent & good	76%
2	Curriculum has good balance of Theory and Practical courses	32	46	12	5	5	Excellent & good	78%
3	The curriculum has sufficient number of electives	31	47	12	5	5	Excellent & good	78%
4	There is adequate emphasis on employability skills / skill development/entrepreneurship in the curriculum.	32	47	12	6	3	Excellent & good	79%
5	There is adequate emphasis on Communication Skills in the Curriculum.	31	47	12	5	5	Excellent & good	78%
6	There is adequate emphasis on Human Values, ethics and Professionalism in the Curriculum.	32	47	10	6	5	Excellent & good	79%
7	The electives offered in the curriculum suits the industry needs and technological advancements.	30	48	10	8	4	Excellent & good	78%
8	The books prescribed/listed as reference in curriculum are relevant, appropriate and updated.	30	50	8	6	4	Excellent & good	80%
9	The Program Educational Objectives, Program outcomes, Program Specific Outcomes, Course Objectives and Course Outcomes are well defined and clear.	32	50	6	8	4	Excellent & good	82%
10	The rubrics for assessment is described clearly and there is adequate weightage for Continuous Internal	30	50	6	8	4	Excellent & good	80%

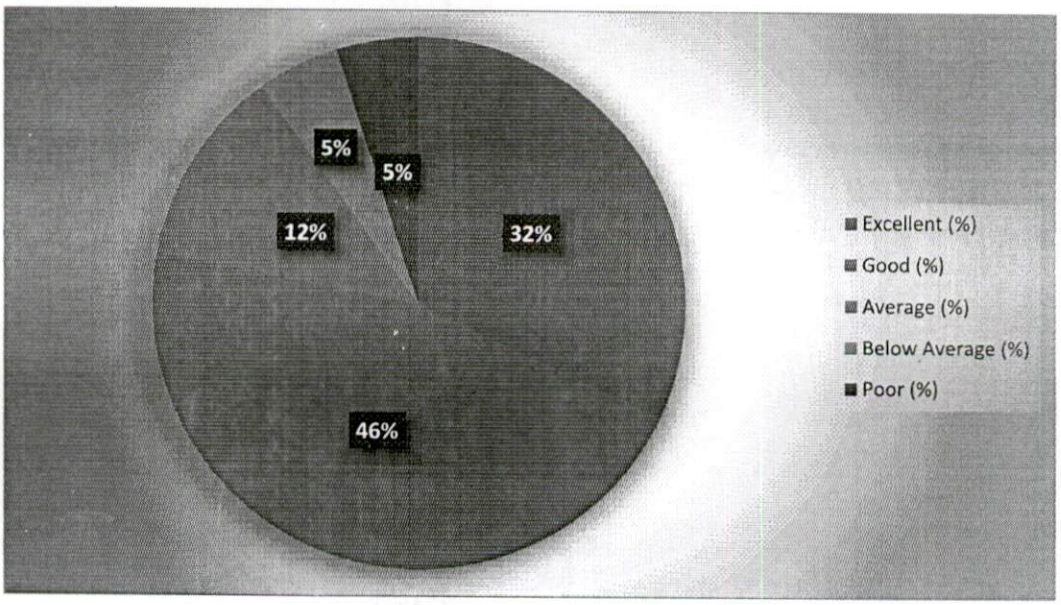
	Evaluation and Semester End Examination.							

Graphical representation of Students feedback on curriculum

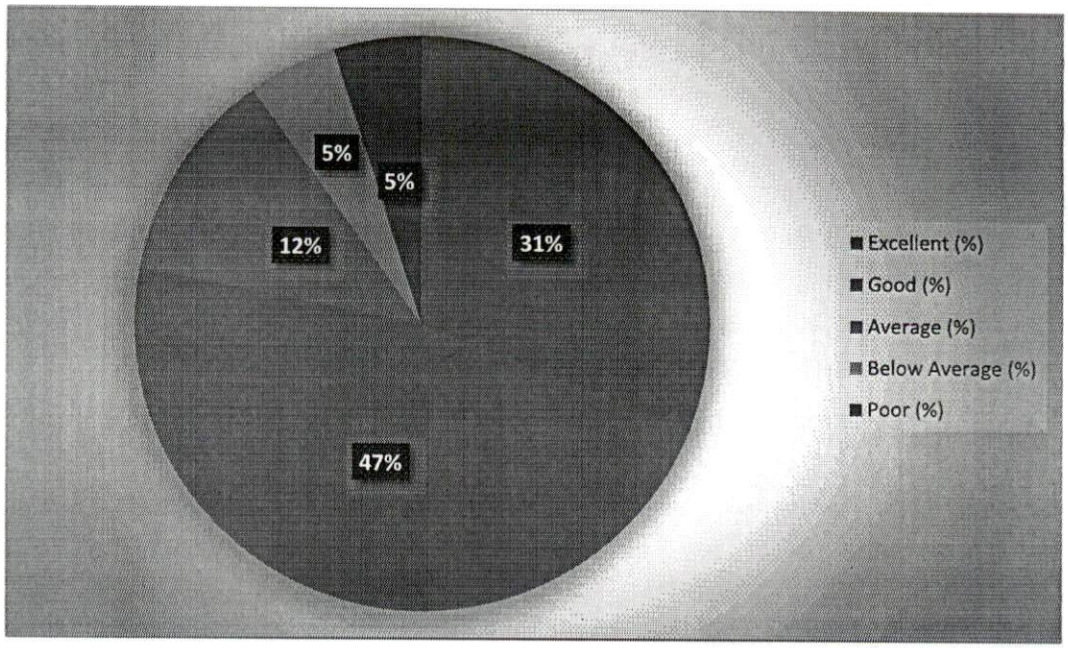
1. Curriculum is contemporary and need based



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



3. The curriculum has sufficient number of electives



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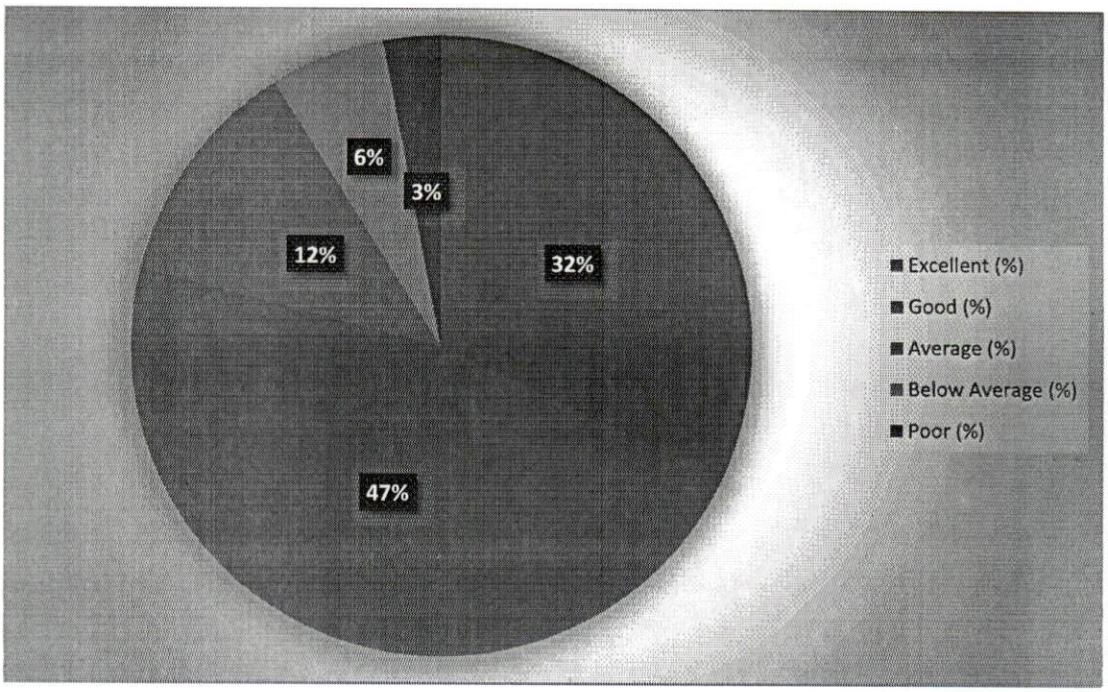
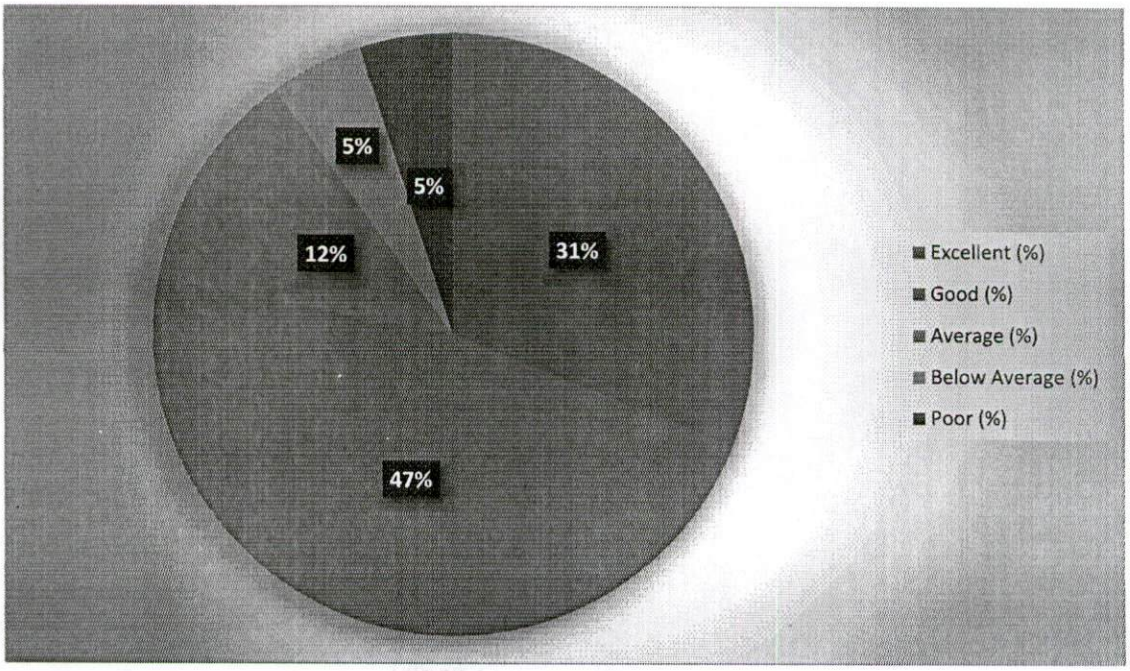
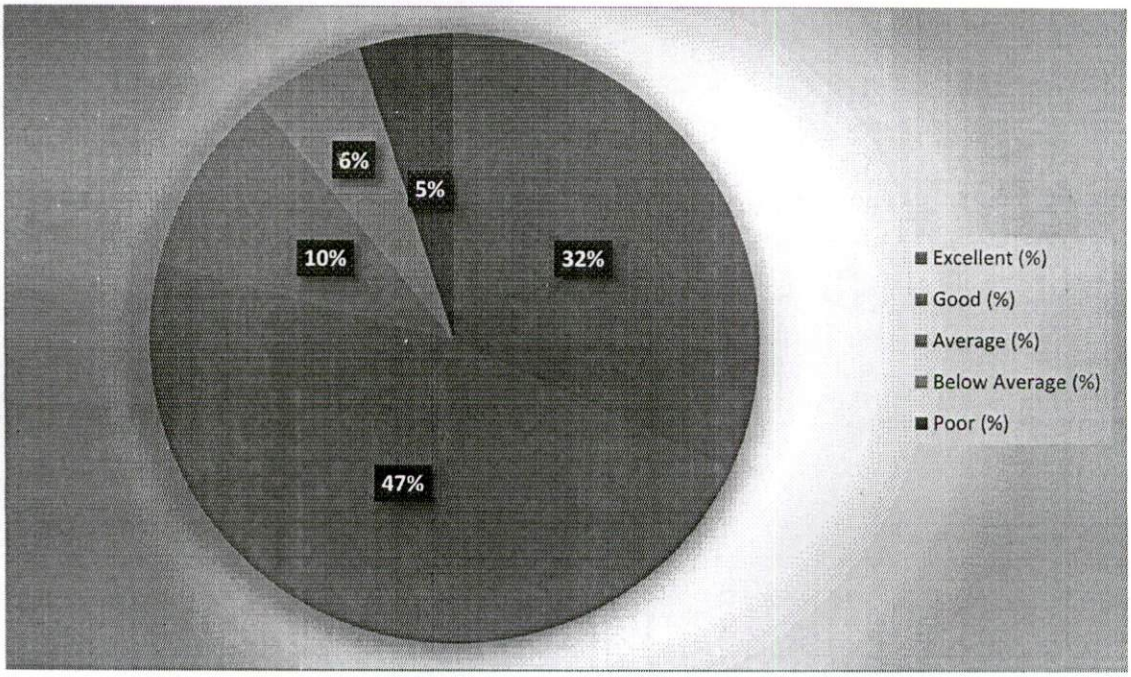


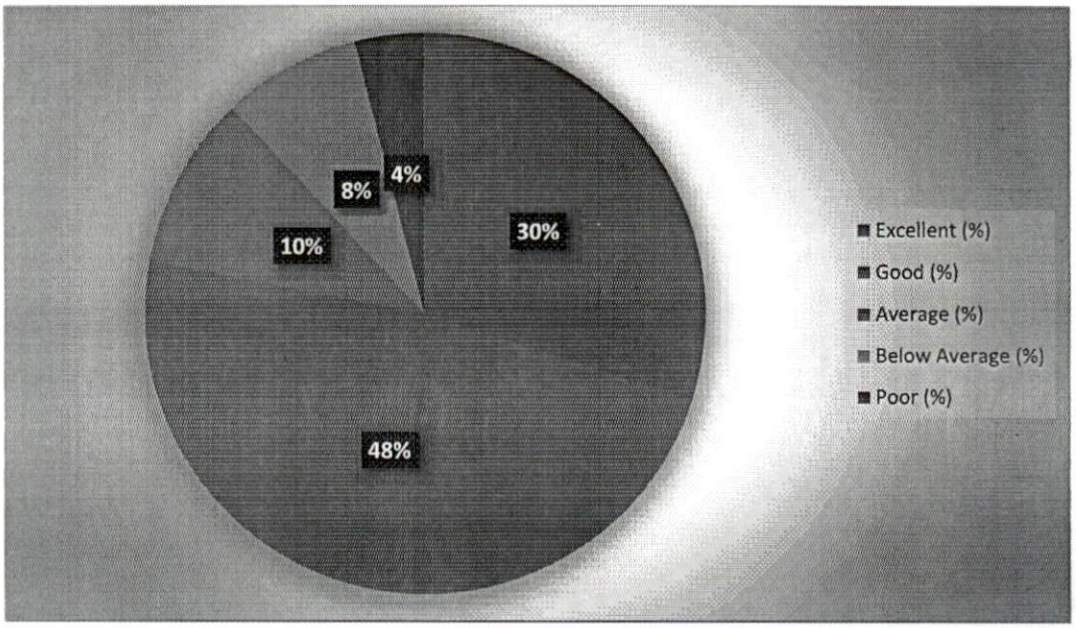
5. There is adequate emphasis on Communication Skills in the Curriculum.



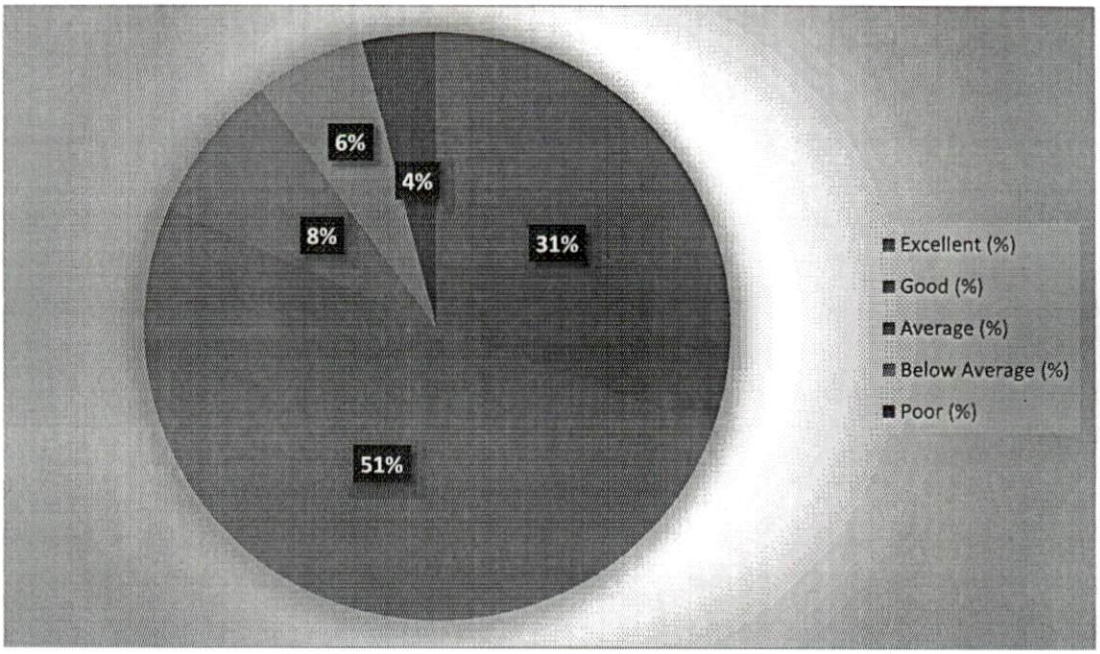
6. There is adequate emphasis on Human Values, ethics and Professionalism in the Curriculum.



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.



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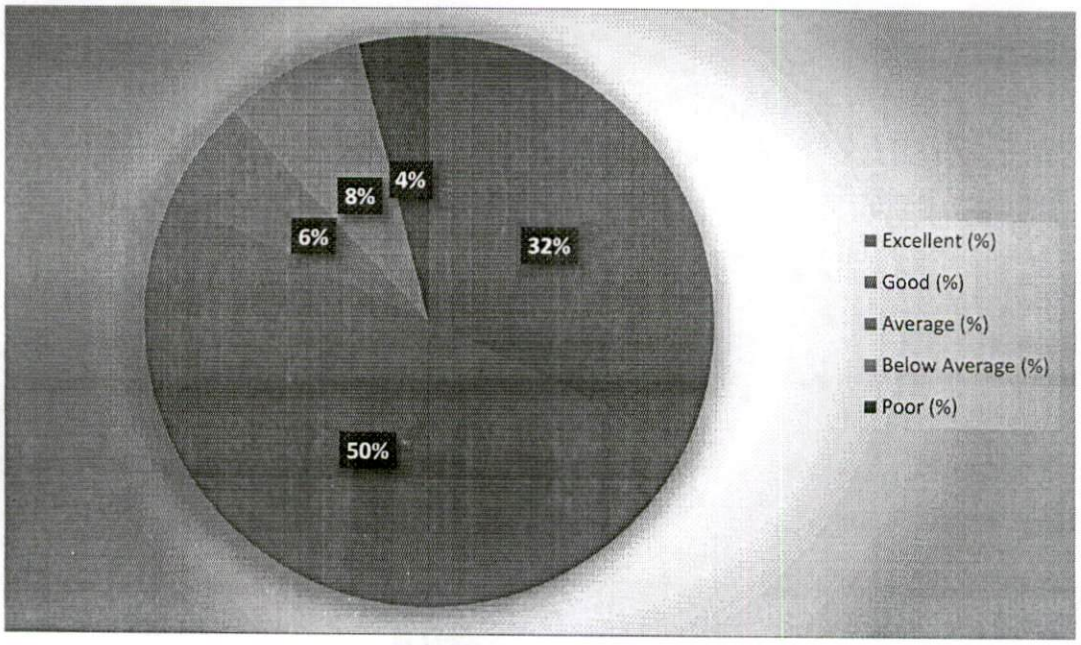

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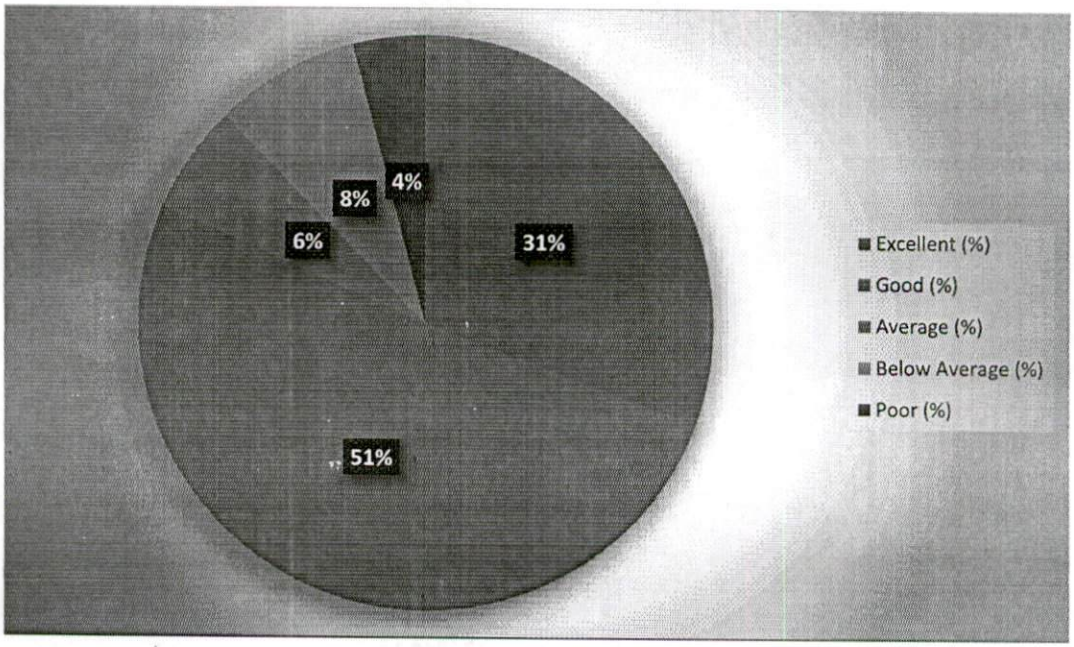

Give your suggestions for improving the curriculum

1. Better to reduce old topics and include latest technology related to mechanical field.

2. Please introduce department specific courses in the early semesters to help the students to prepare with competitive exams such as GATE.

3. Include IT courses so that the students can get ready according to the industry requirements.

4. There should be more emphasis on employability and communication skills.

5. Need more improvements in curriculum based on the reality of the present industry needs and globalization.

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

1. Please design the curriculum in such a way that the students come across department related courses in the early semester itself.

2. Students get benefitted if coding or programming related course is introduced in the early semesters so that by the end of the graduation the student will be industry ready.

3. Thermal Engineering is an important course for Mechanical Engineering branch. Please provide much insight to the course.

Signature of the HOD

Head of the Department
Department of Mechanical Engineering
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