



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

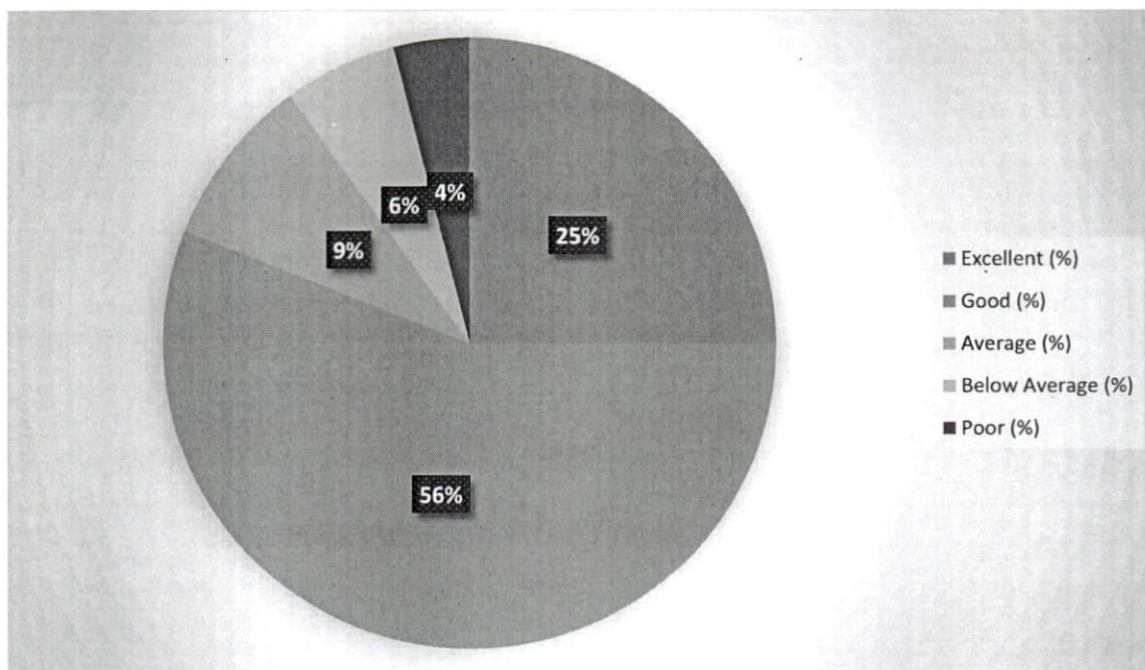
Employer Feedback on curriculum

Employer Feedback Analysis (2019-20) for the M. Tech (Thermal Engineering) program.

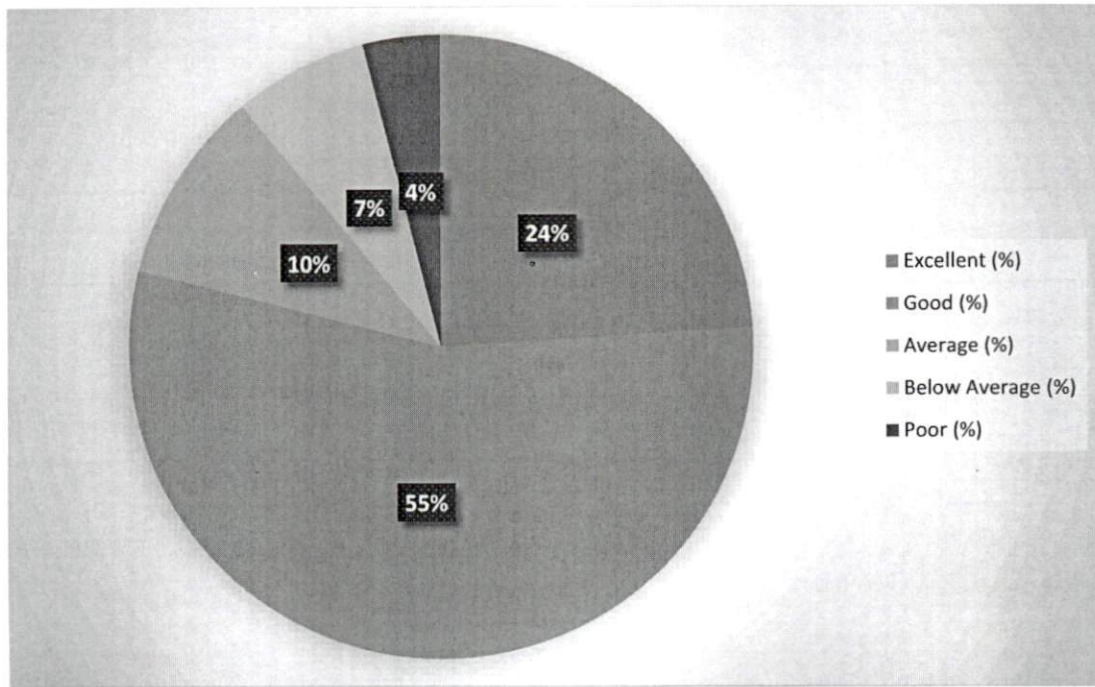
S. NO	Question related to Curriculum	Opinion of the Employer with percentage					Majority opinion	% of Majority Opinion
		Excellent (%)	Good (%)	Average (%)	Below Average (%)	Poor (%)		
1	Curriculum is contemporary and need based	25	56	9	6	4	Excellent & good	81%
2	There is adequate emphasis on employability skills/ skill development/entrepreneurship in the curriculum	24	55	10	7	4	Excellent & good	79%
3	The electives offered in the curriculum suits the industry needs and technological advancements.	24	55	10	6	5	Excellent & good	79%

Graphical representation of Employer feedback analysis

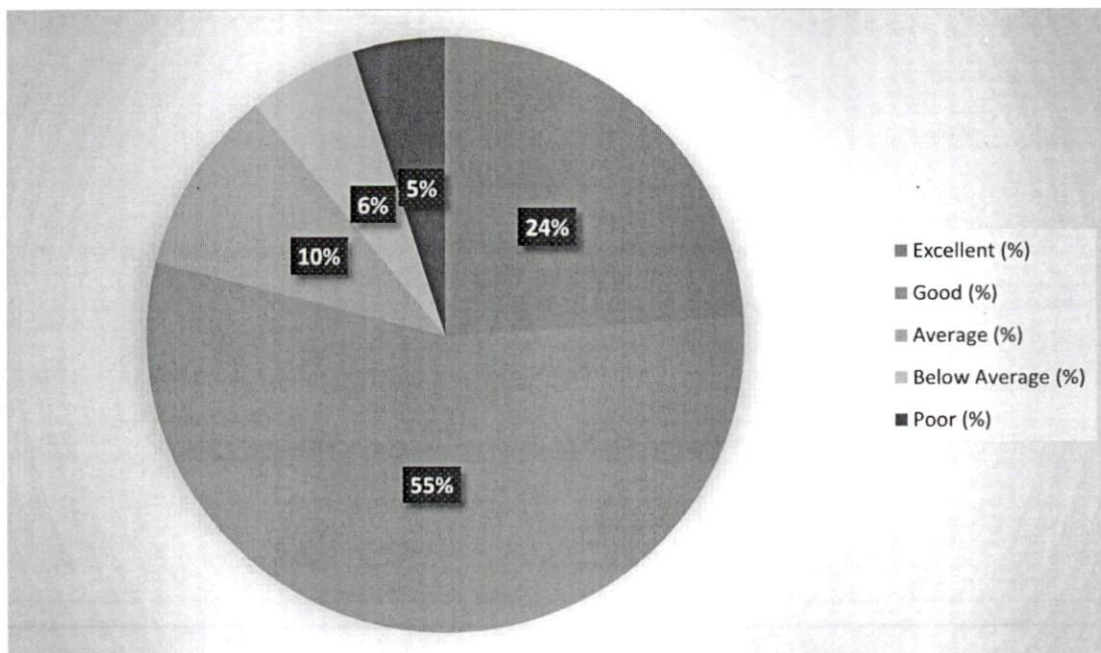
1. Curriculum is contemporary and need based



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. Operation of Thermal Power Plant
2. Advanced Finite Element and Boundary Element Method
3. Thermal & Nuclear Power Plants

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

1. Computational Skills
2. Subject knowledge in Coal power
3. Communication skills.

Any other suggestions on Curriculum

1. Technical courses such as ANSYS – Fluent, ANSYS – CFX must be included.
2. Add seminar talks.
3. Add an industrial visit.

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

1. It is better if PG students are provided an in – depth understanding of numerical and experimental techniques in heat and fluid flow.



Signature of the HOD

Head of the Department
Department of Mechanical Engineering
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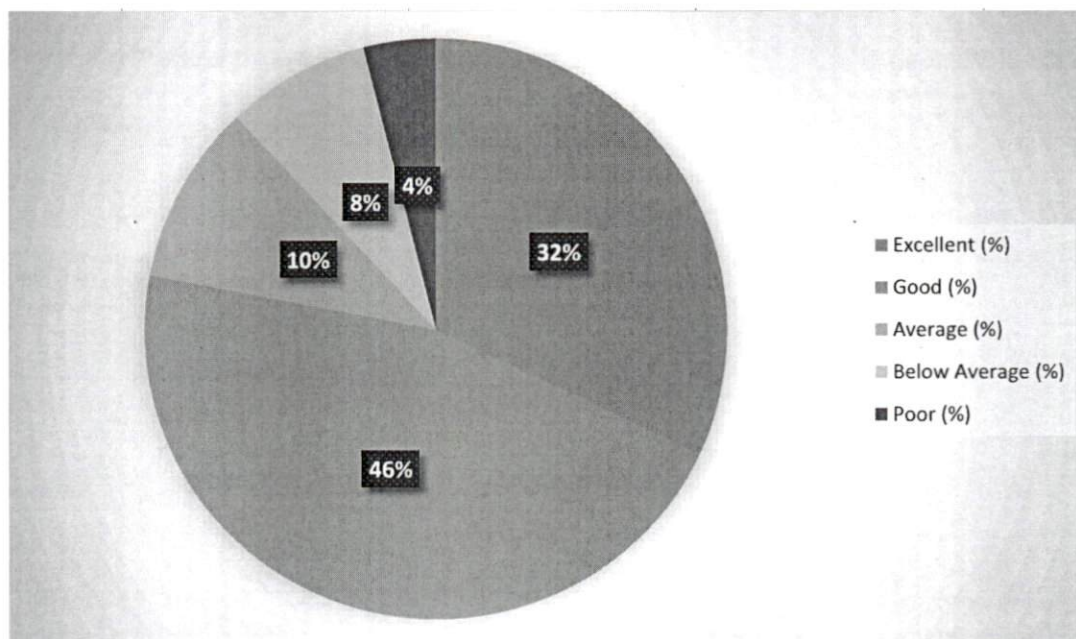
Alumni Feedback on curriculum

Alumni Feedback Analysis (2019-20) for the M. Tech (Thermal Engineering) program.

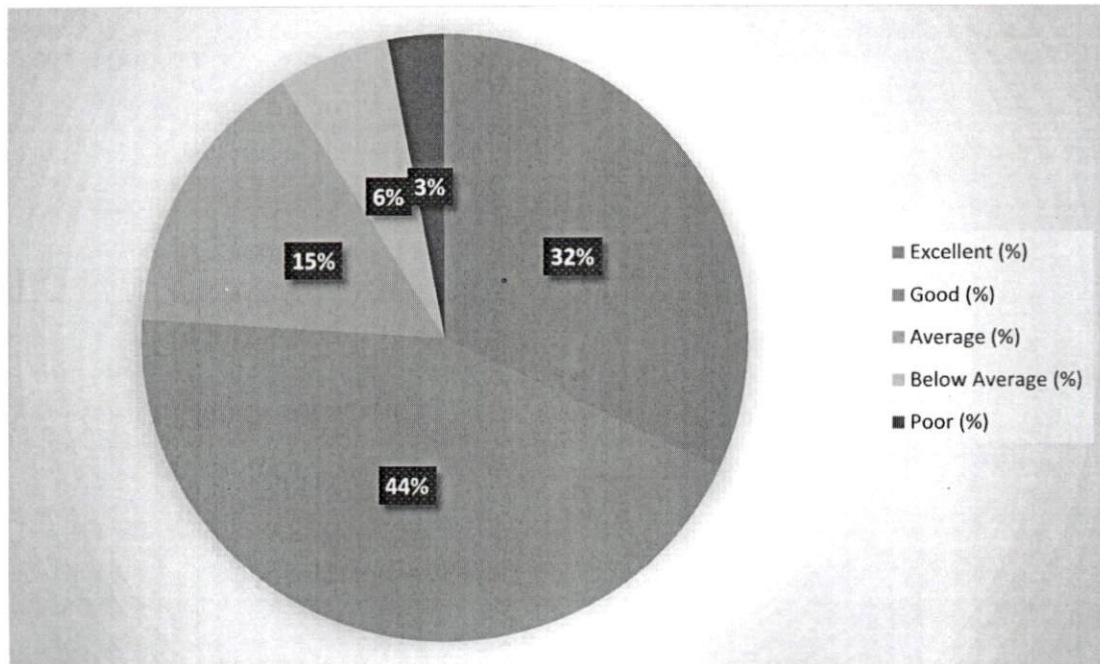
S. NO	Question related to Curriculum	Opinion of the alumni with percentage					Majority opinion	% of Majority Opinion
		Excellent (%)	Good (%)	Average (%)	Below Average (%)	Poor (%)		
1	Curriculum is contemporary and need based	32	46	10	8	4	Excellent & good	78%
2	There is adequate emphasis on employability skills/ skill development/entrepreneurship in the curriculum	32	44	15	6	3	Excellent & good	76%
3	The electives offered in the curriculum suits the industry needs and technological advancements.	32	44	15	5	4	Excellent & good	76%

Graphical representation of Alumni feedback analysis

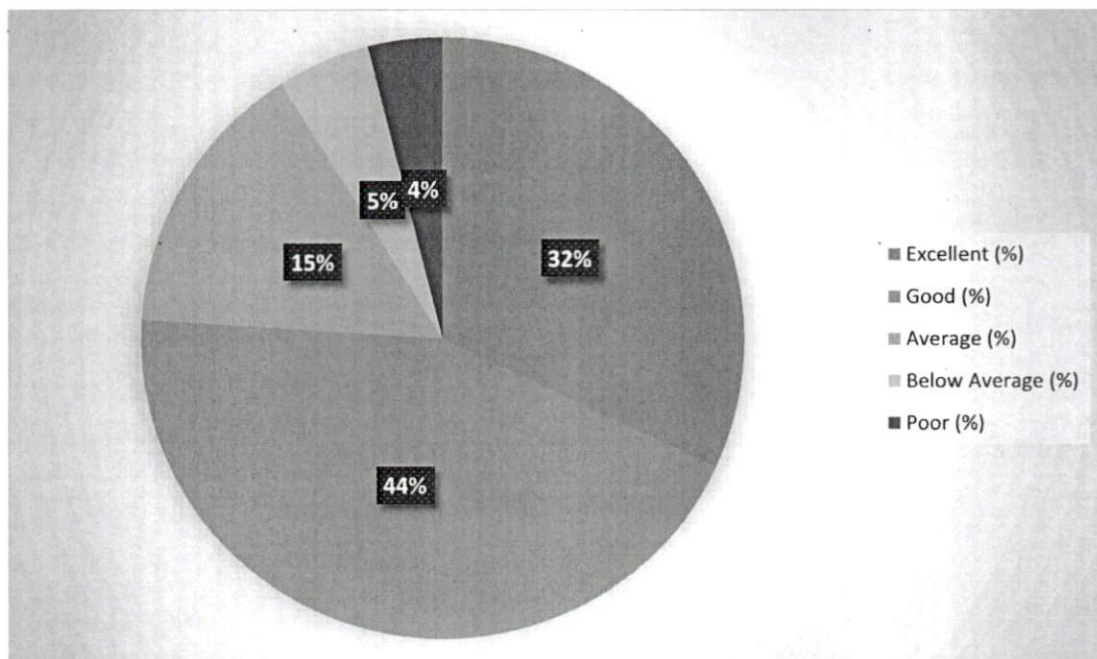
1. Curriculum is contemporary and need based



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. Hydro turbomachines
2. Thermal Turbomachines
3. Modelling, Simulation & Computer Applications

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

1. CFD
2. ANSYS Fluent
3. Mat lab

Give any other suggestions for improving the Curriculum

1. Python, Advanced Python using scripting
2. Research lab must include any semester.
3. Open seminars and talks must be included in every semester.

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

1. Due to the tremendous growth in IT industry, it is better to get known to programming related courses.



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DEPARTMENT OF MECHANICAL ENGINEERING

Teacher Feedback on curriculum

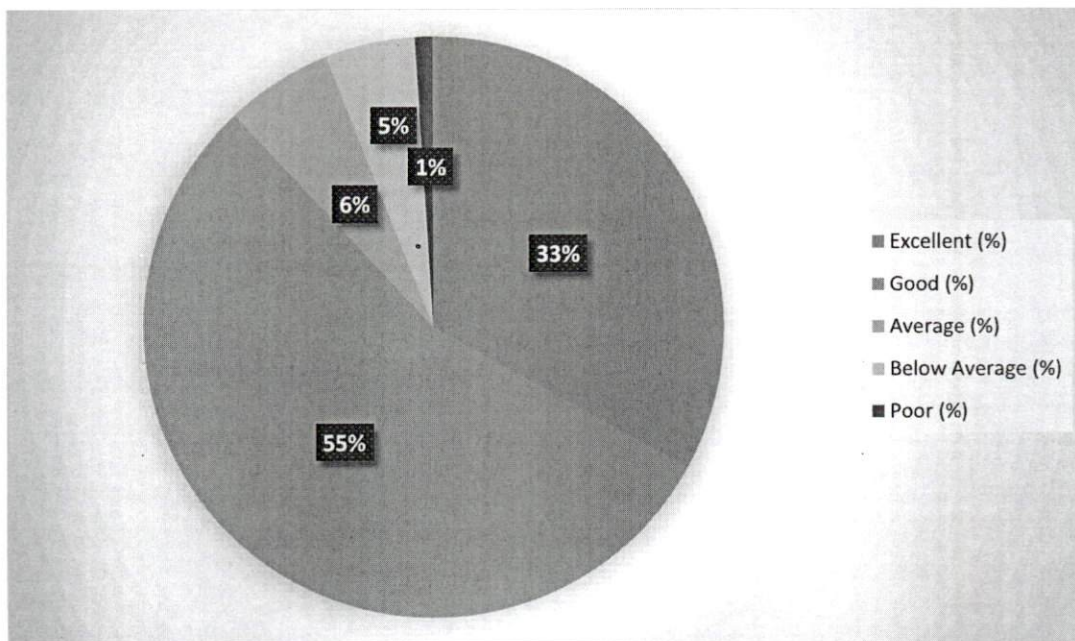
Teacher Feedback Analysis (2019-20) for the **M. Tech (Thermal Engineering)** program.

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%

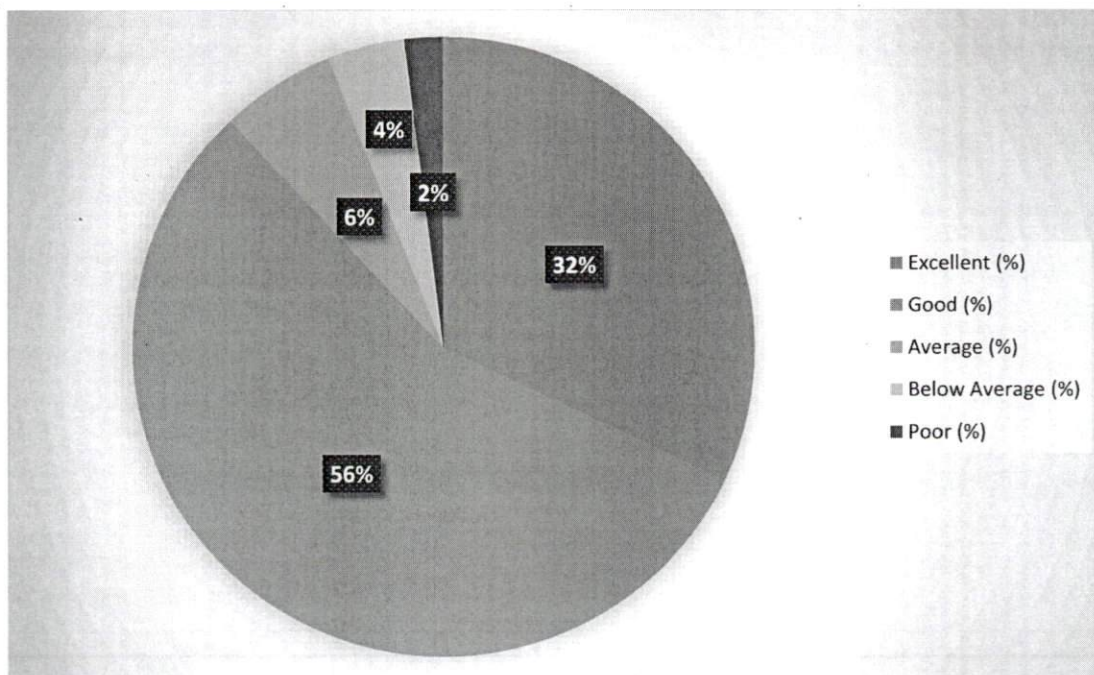
	emphasis in the curriculum.							
8	There is adequate emphasis on Communication Skills in the Curriculum	32	53	7	5	3	Excellent & good	85%
9	There is adequate emphasis on Human Values, ethics and Professionalism in the Curriculum.	32	53	8	5	2	Excellent & good	85%
10	The curriculum has sufficient number 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

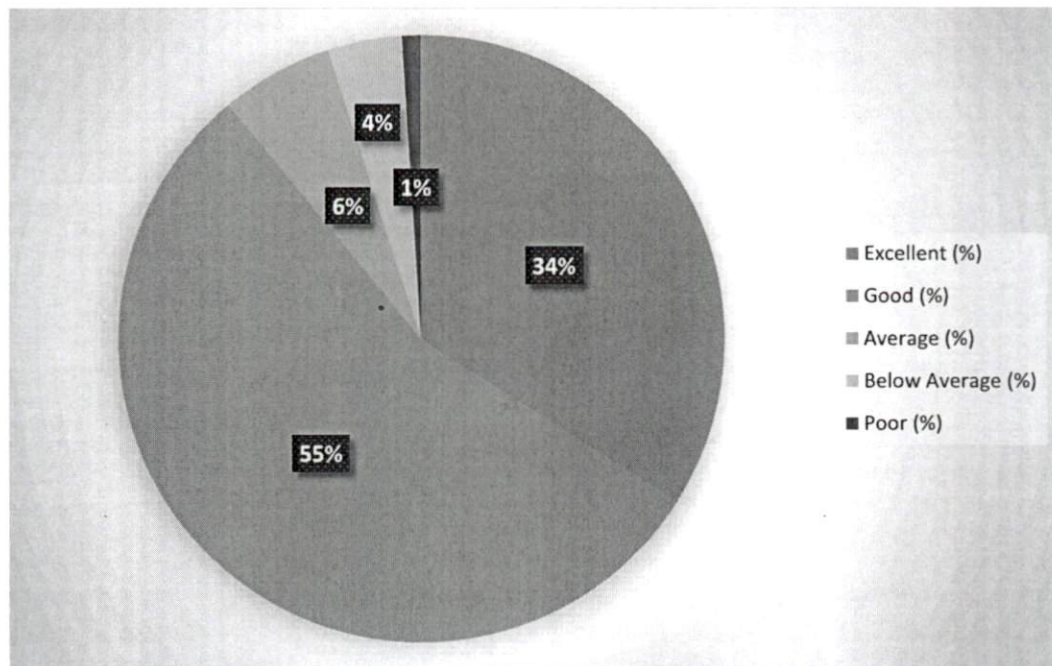
1. Curriculum is contemporary and need based



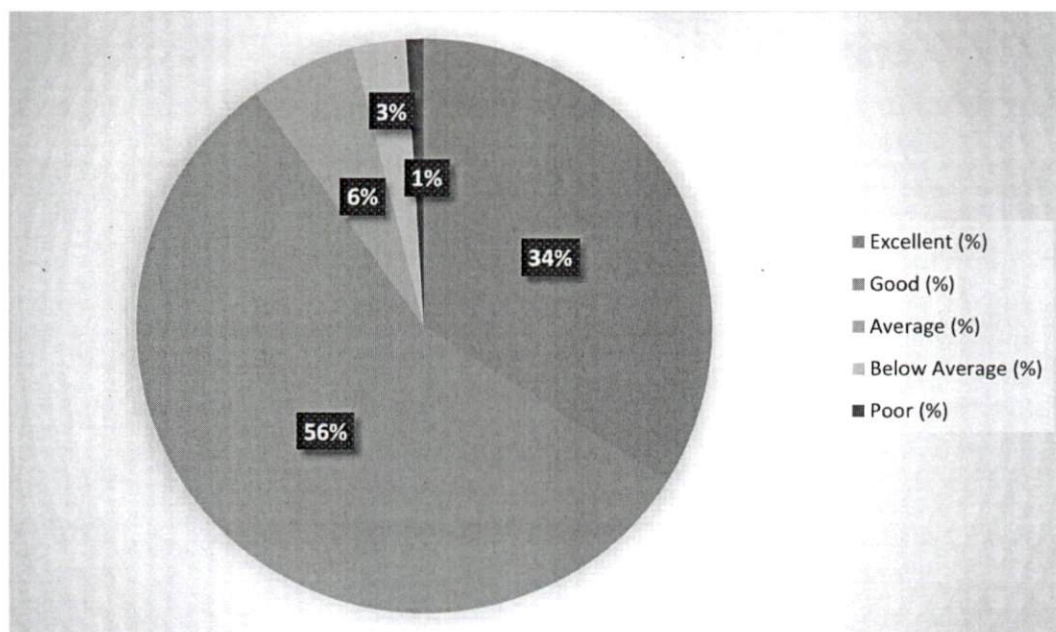
2. The Program Educational Objectives, Program outcomes, Program Specific Outcomes, Course Objectives and Course Outcomes are well defined and clear.



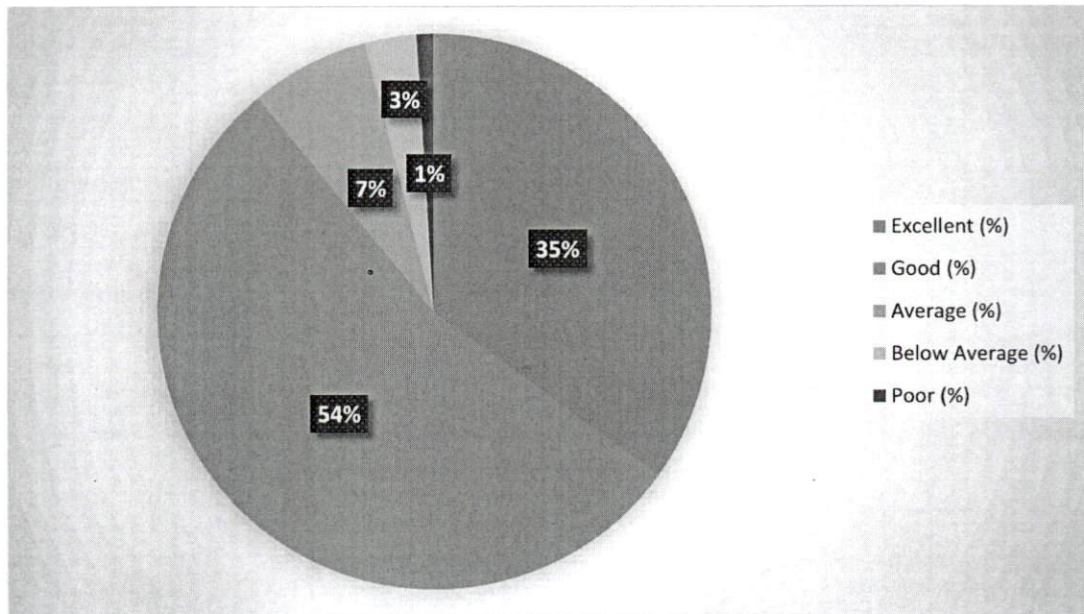
3. Curriculum has good balance of Theory and Practical courses.



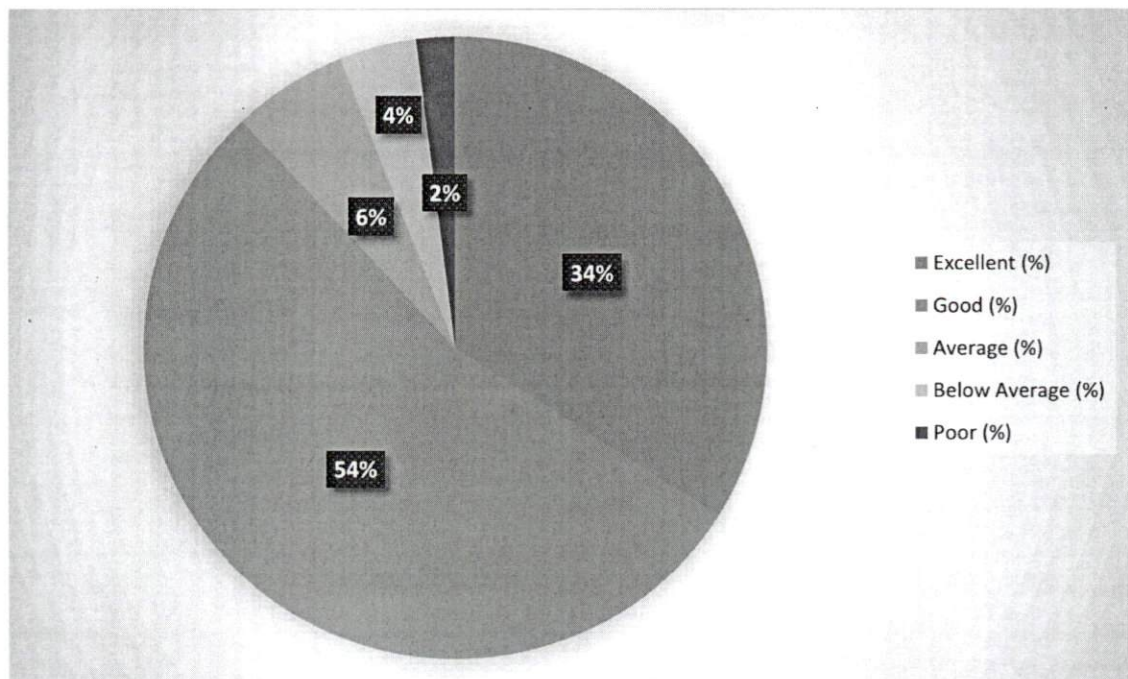
4. Faculty have the freedom to adopt new techniques for teaching like seminars, presentations, group discussions, flip class room etc.



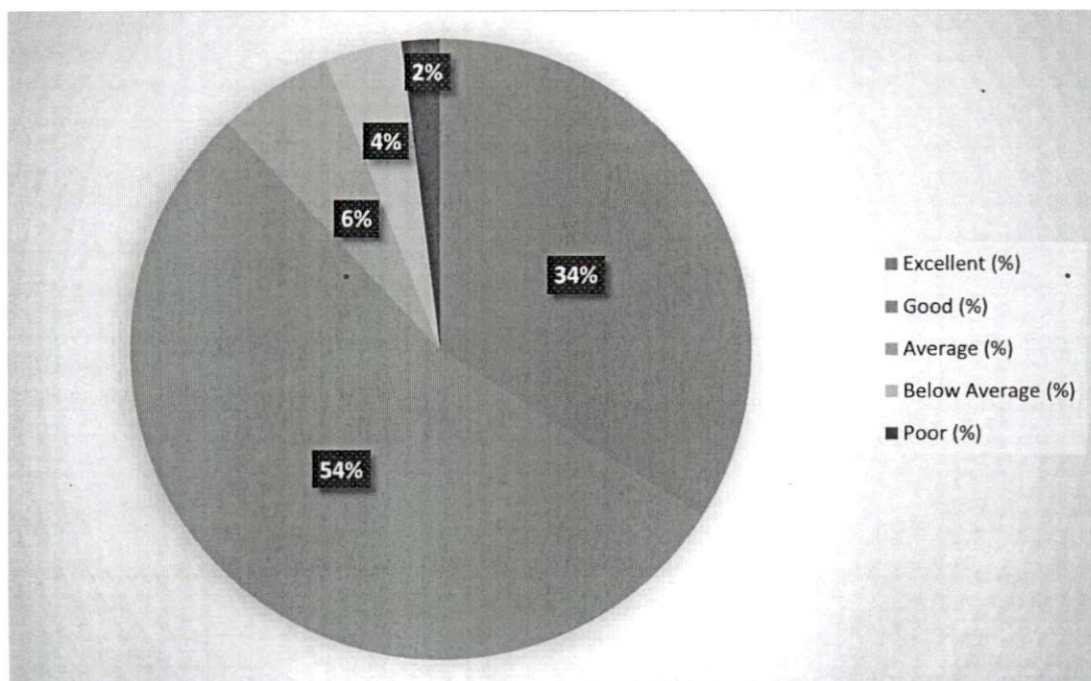
5. The hands on experience gained by the students through the laboratory courses is up to the expectations.



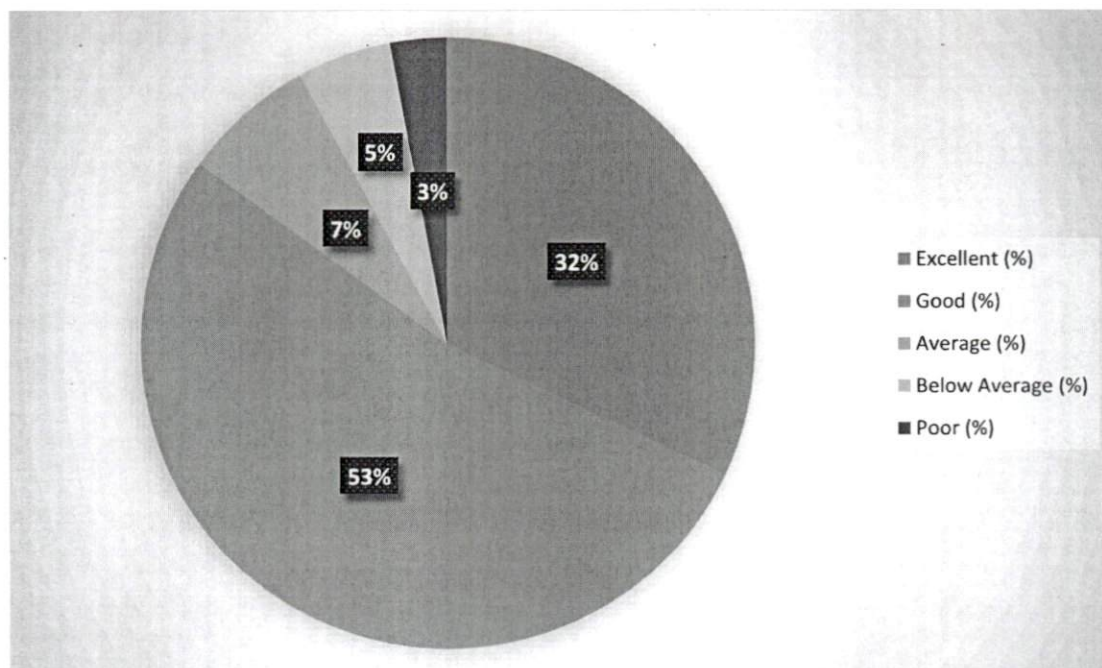
6. The students attain the PEOs, POs, PSOs and COs satisfactorily.



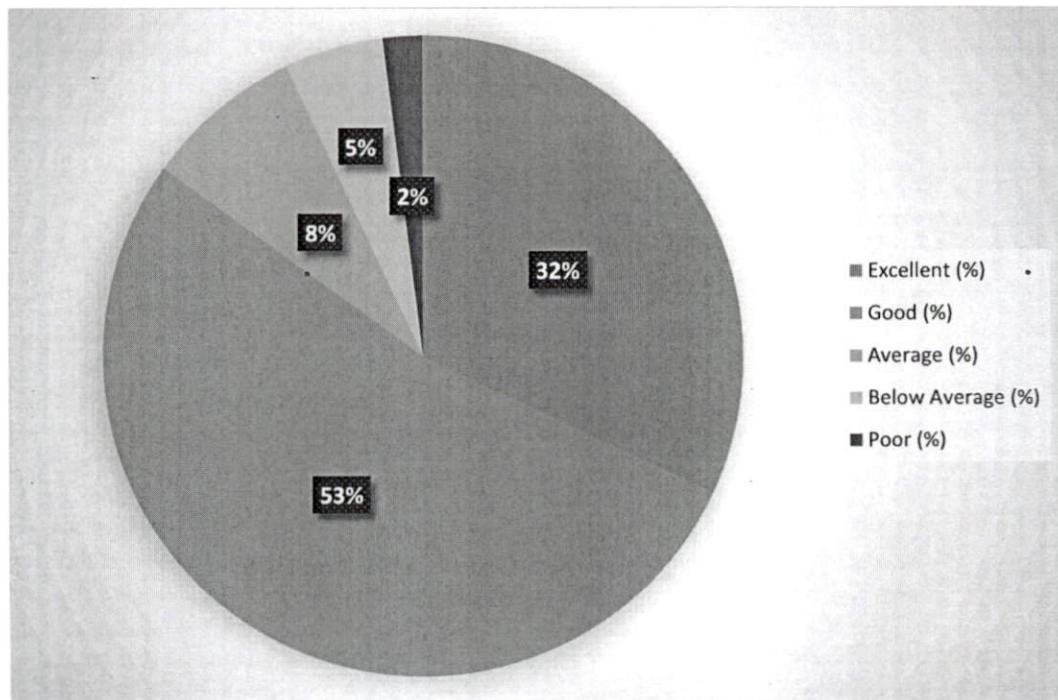
7. There is adequate emphasis on employability skills/ skill development/entrepreneurship in the curriculum.



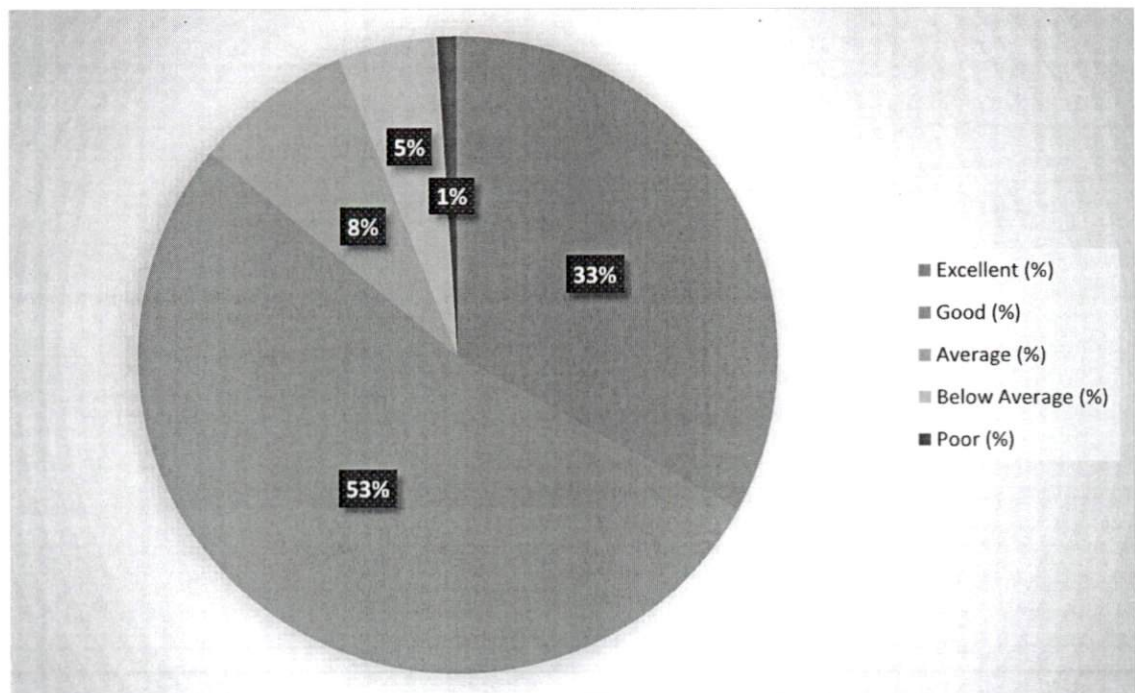
8. There is adequate emphasis on Communication Skills in the Curriculum.



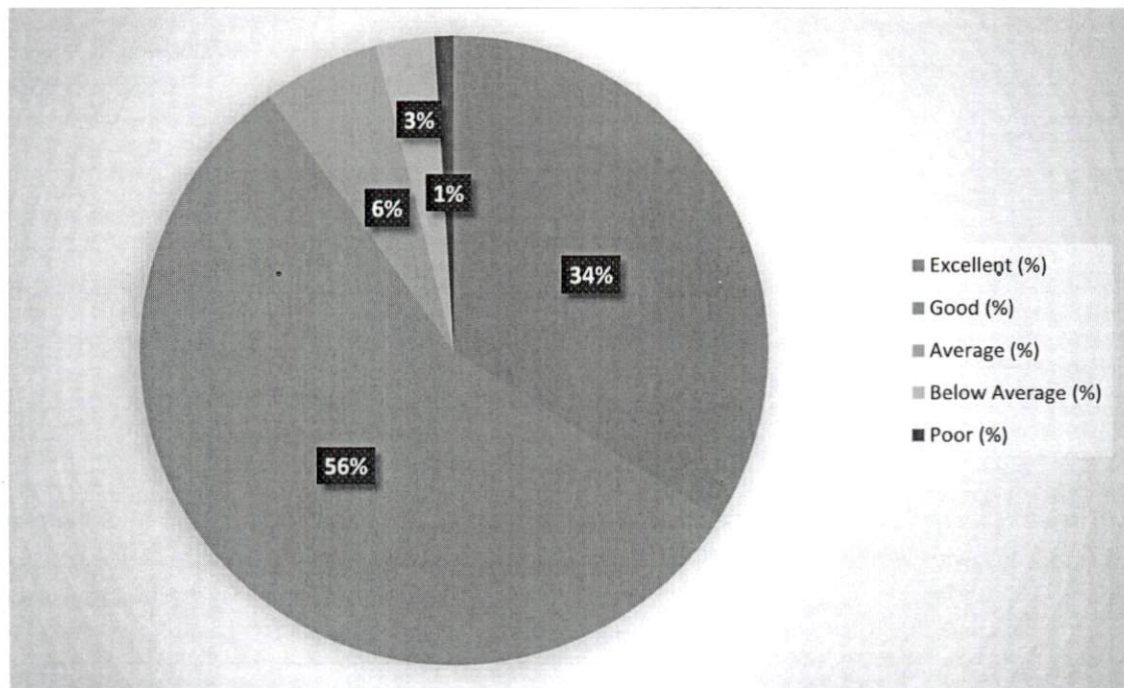
9. There is adequate emphasis on Human Values, ethics and Professionalism in the Curriculum.



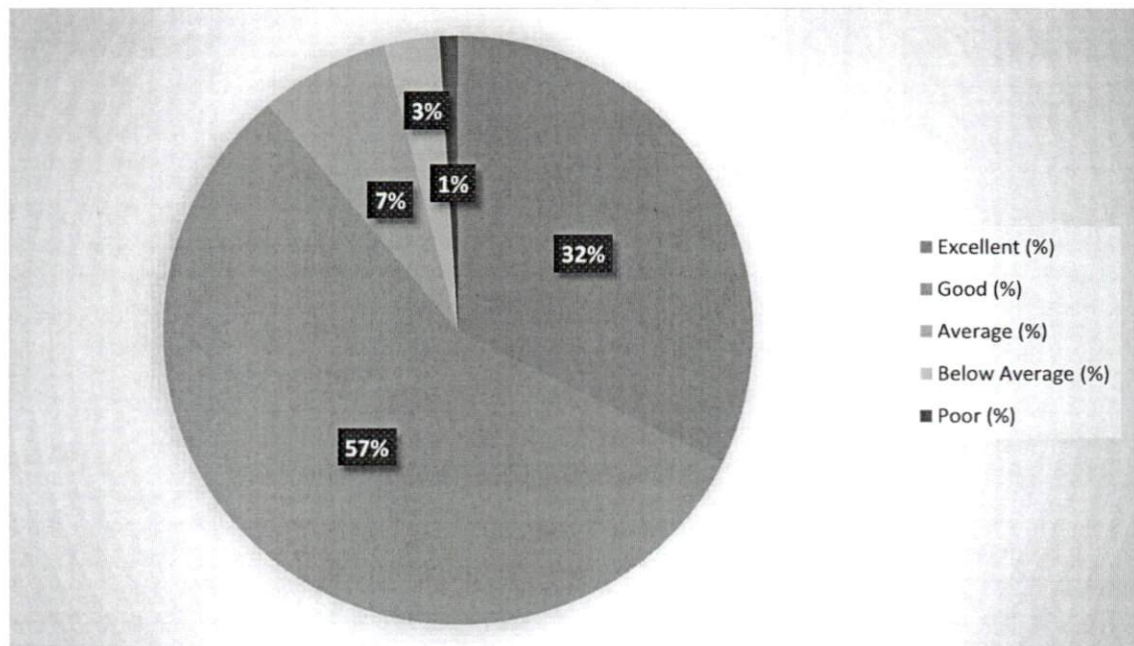
10. The curriculum has sufficient number of electives.



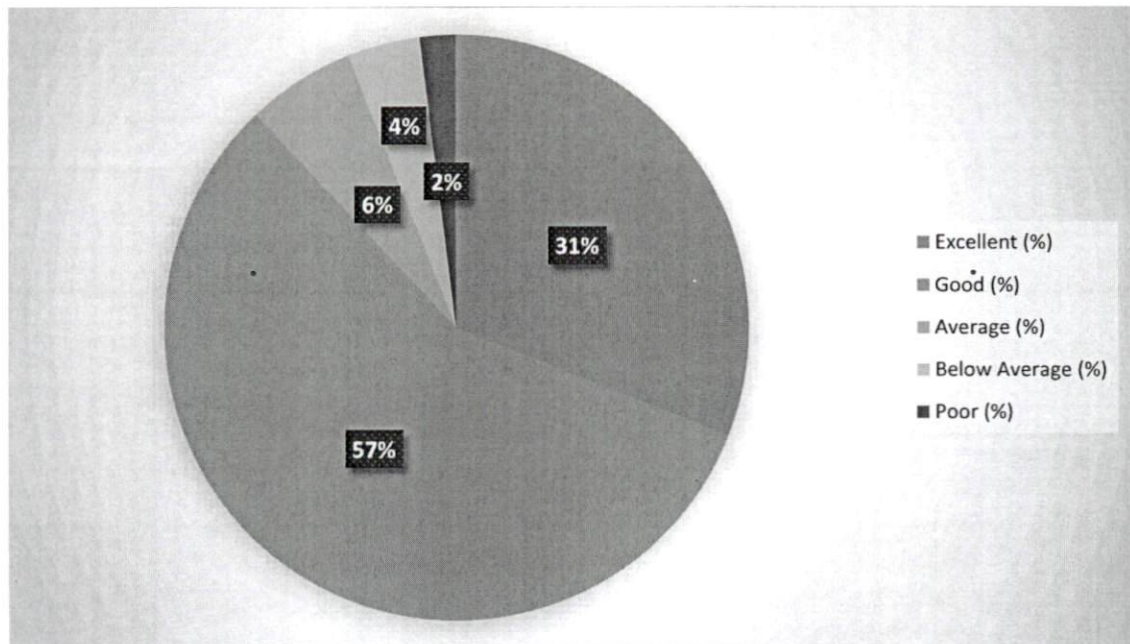
11. The electives offered in the curriculum suits the industry needs and technological advancements.



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. Conduct workshops; such as MDP, FDPs with collaboration with industry
2. Work on thermal system problems using computational analysis can be included
3. Market driven curriculum, updated periodically in consultation with experts from industry and academia.
4. State-of-the-art laboratory facility (CAD Lab, IC Engine, Vibration labs, CoE and others) must be included for understanding and undertaking quality research work.

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

1. Inputs from subject experts to improve the curriculum.


Signature of the HOD

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Student Feedback on curriculum

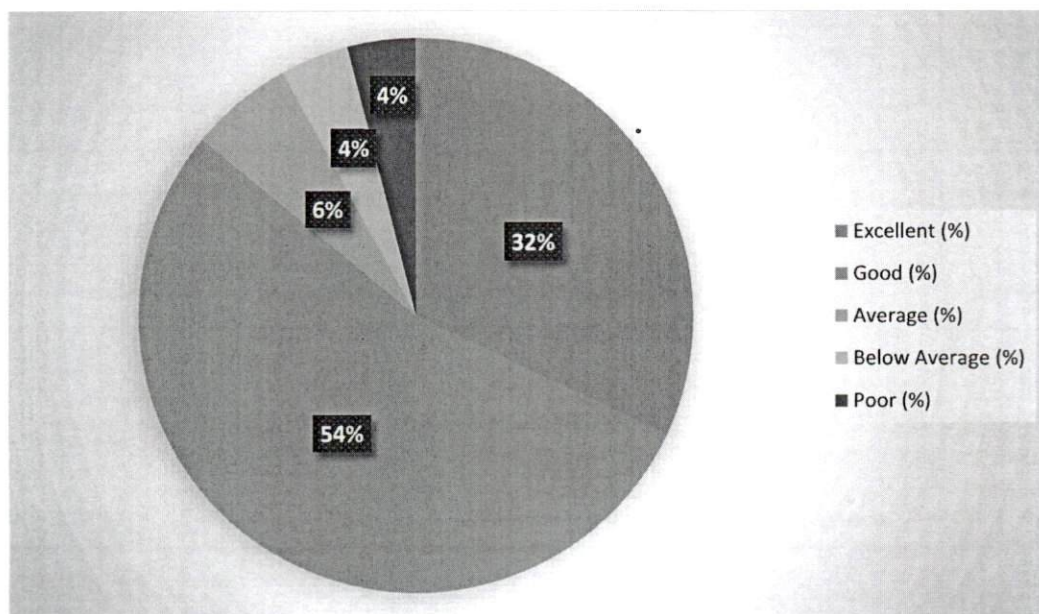
Student Feedback Analysis (2019-20) for the M. Tech (Thermal Engineering) program.

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	32	54	6	4	4	Excellent & good	86%
2	Curriculum has good balance of Theory and Practical courses	32	50	8	5	5	Excellent & good	82%
3	The curriculum has sufficient number of electives	32	52	6	6	4	Excellent & good	84%
4	There is adequate emphasis on employability skills / skill development/entrepreneurship in the curriculum.	33	53	8	5	1	Excellent & good	86%
5	There is adequate emphasis on Communication Skills in the Curriculum.	33	53	6	6	2	Excellent & good	86%
6	There is adequate emphasis on Human Values, ethics and Professionalism in the Curriculum.	34	52	6	5	3	Excellent & good	86%
7	The electives offered in the curriculum suits the industry needs and technological advancements.	32	54	5	6	3	Excellent & good	86%
8	The books prescribed/listed as reference in curriculum are relevant, appropriate and updated.	34	54	6	4	2	Excellent & good	88%
9	The Program Educational Objectives, Program outcomes, Program Specific Outcomes, Course Objectives and Course Outcomes are well defined and clear.	31	55	5	7	2	Excellent & good	86%
10	The rubrics for assessment is described clearly and there is adequate weightage for Continuous Internal	35	52	5	6	2	Excellent & good	84%

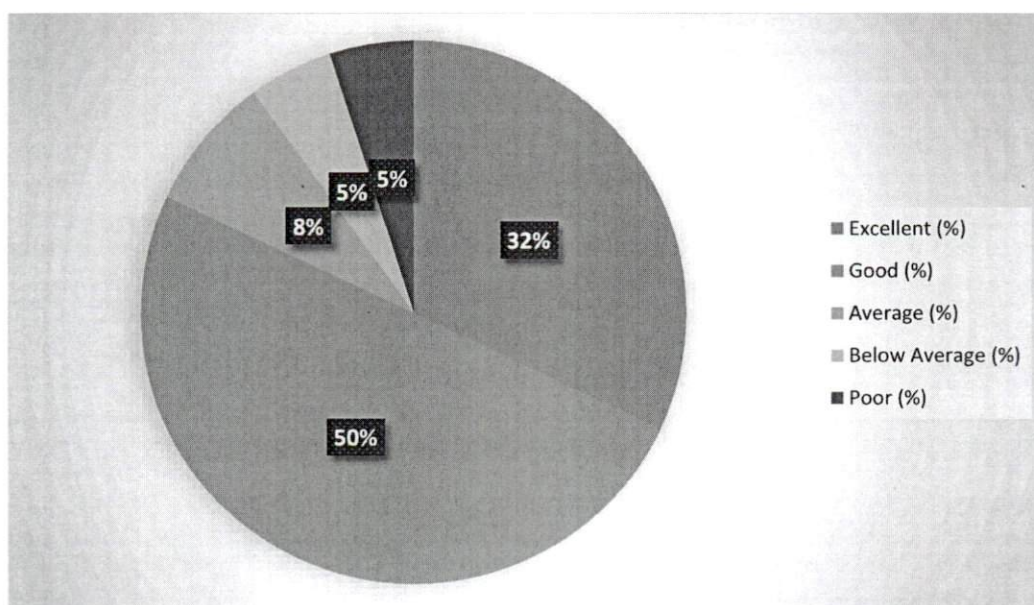
	Evaluation and Semester End Examination.							
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Graphical representation of Students feedback on curriculum

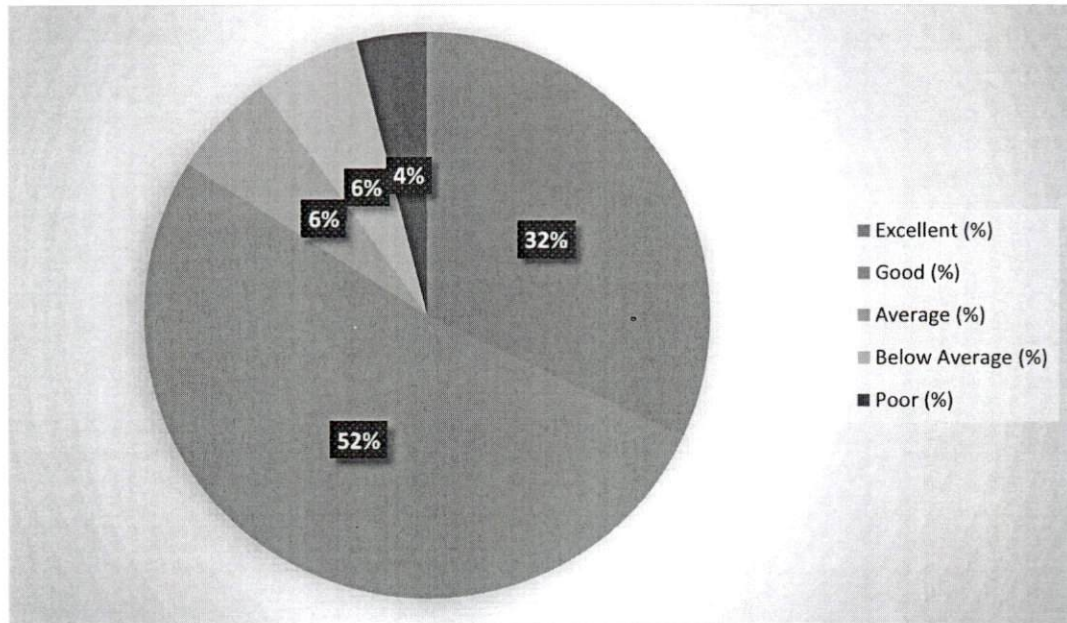
1. Curriculum is contemporary and need based.



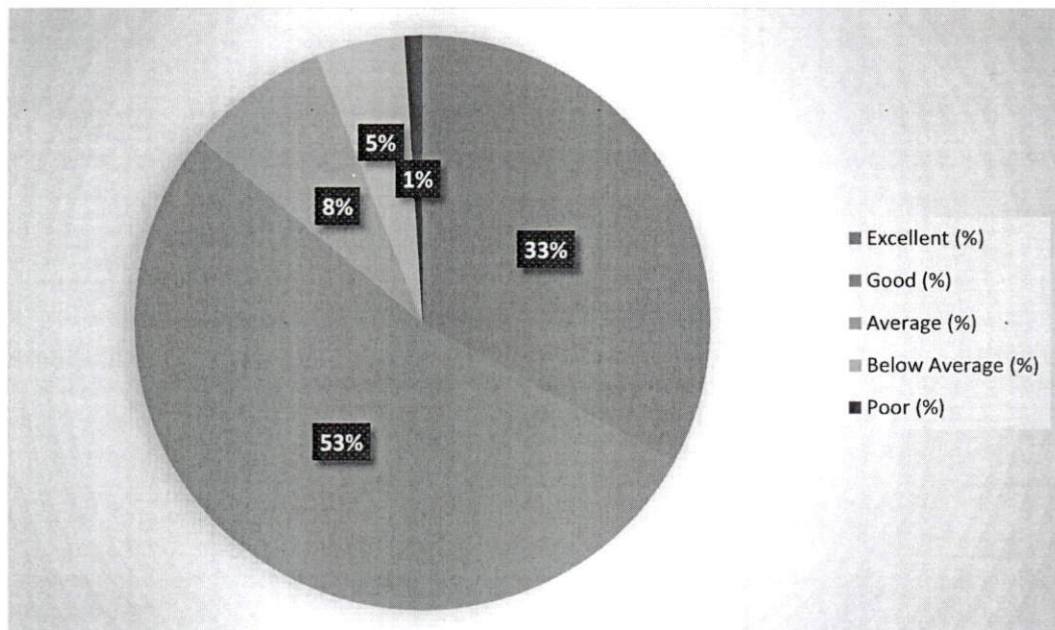
2. Curriculum has good balance of Theory and Practical courses.



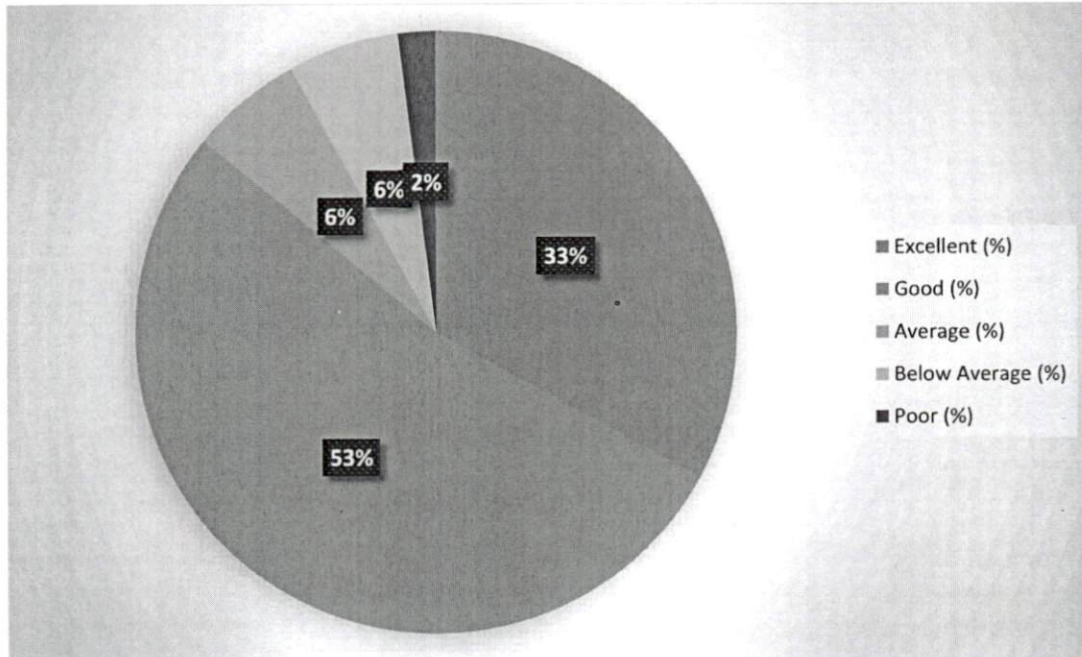
3. The curriculum has sufficient number of electives.



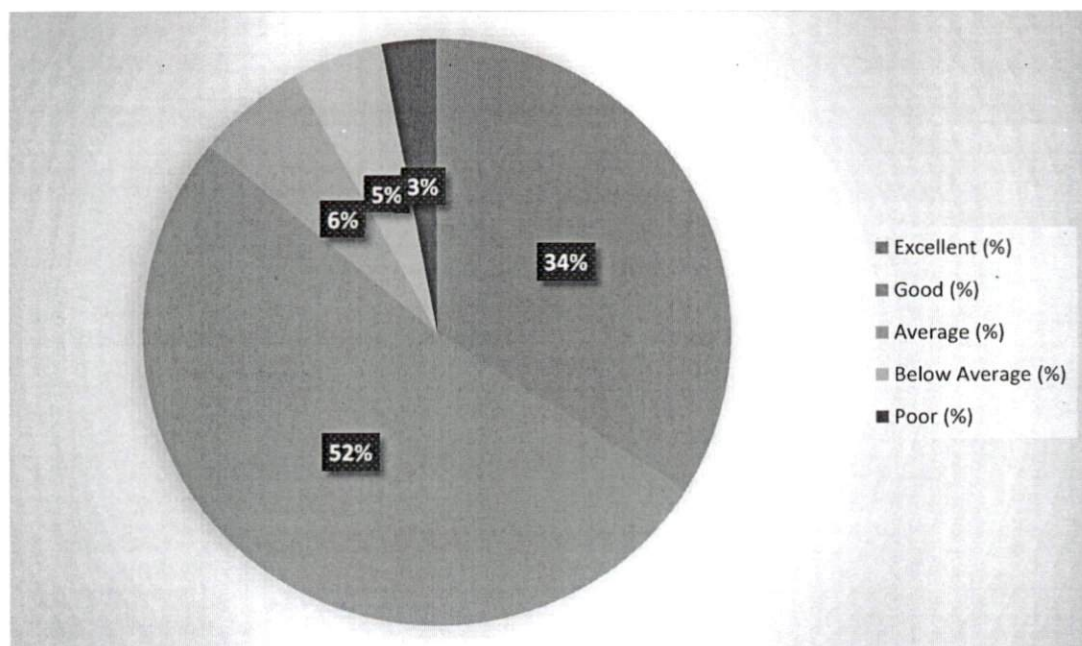
4. There is adequate emphasis on employability skills/ skill development/entrepreneurship in the curriculum.



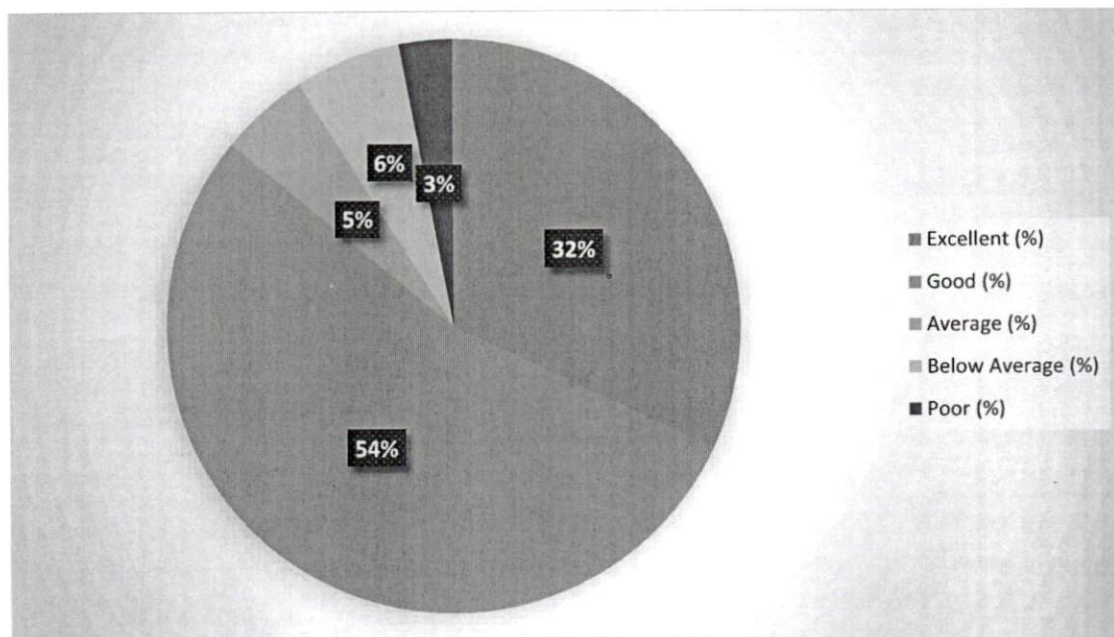
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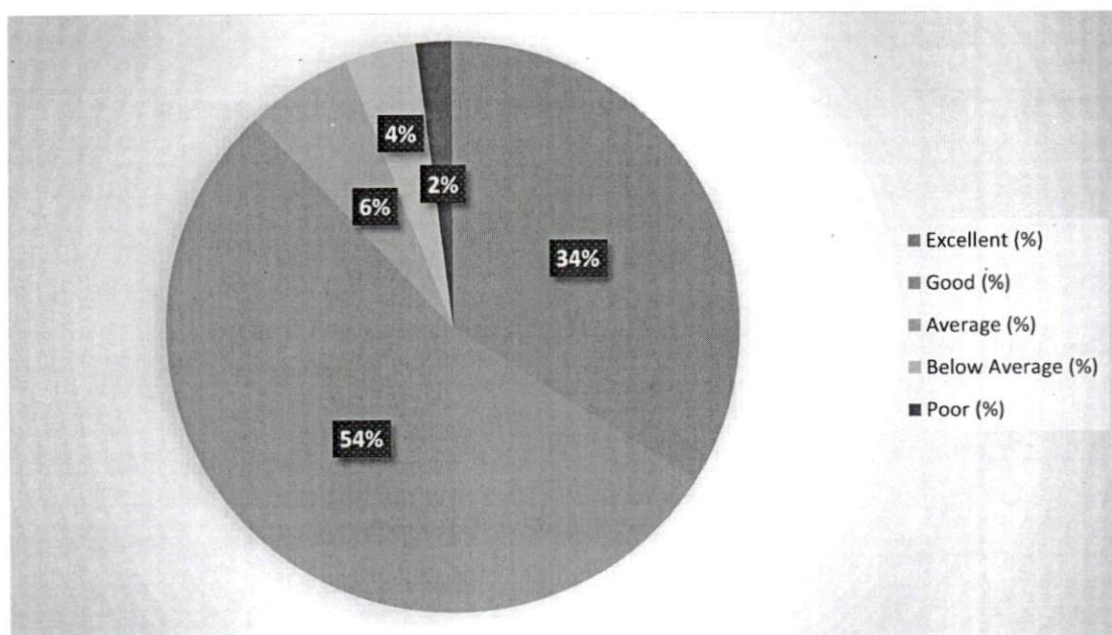
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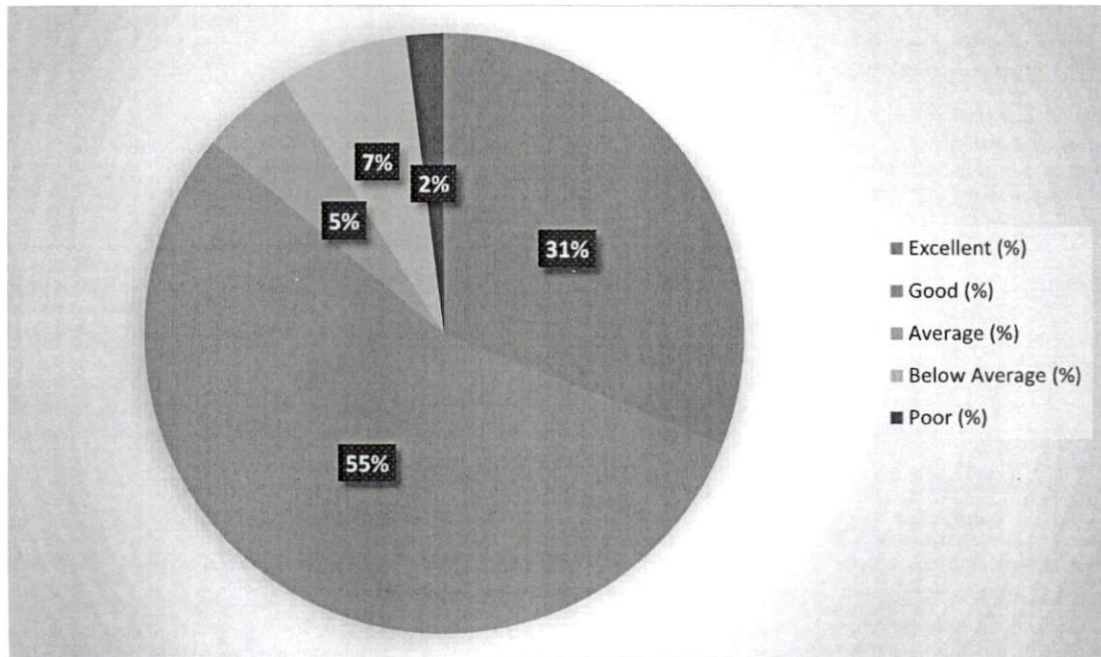
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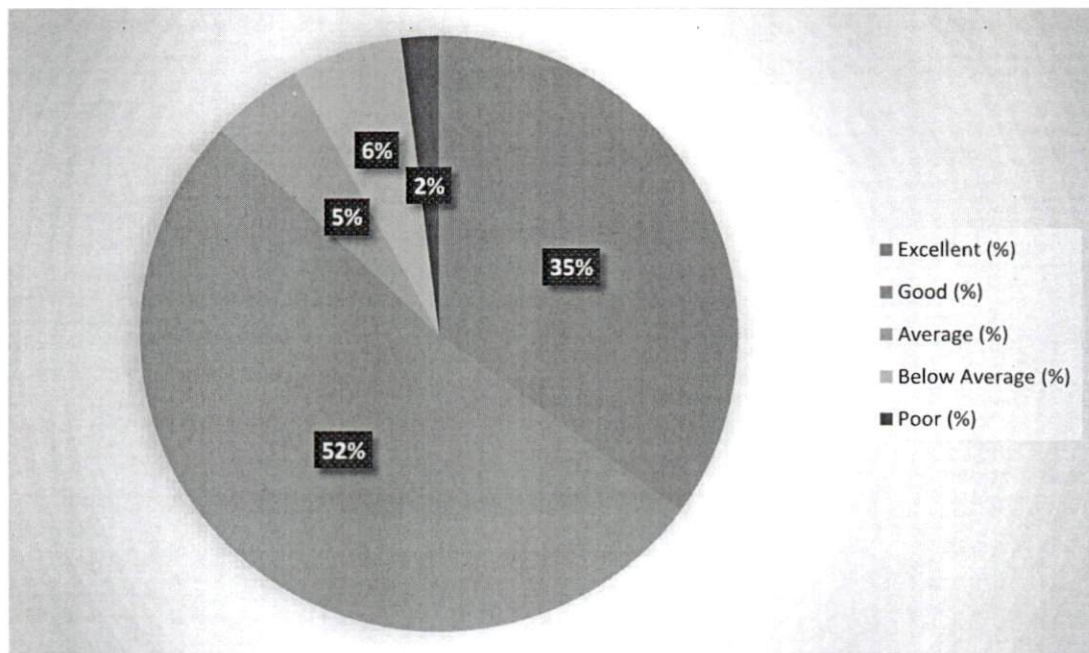
8. The books prescribed/listed as reference in curriculum are relevant, appropriate and updated.



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. Include course so that the students can get ready according to the industry requirements.
2. Better to include research publication in the project.
3. Free access to quality journals such as Elsevier, Springer and IEEE explorer must be given access.

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

1. It is better to give access to online journals and books.


Signature of the HOD

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