



# 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

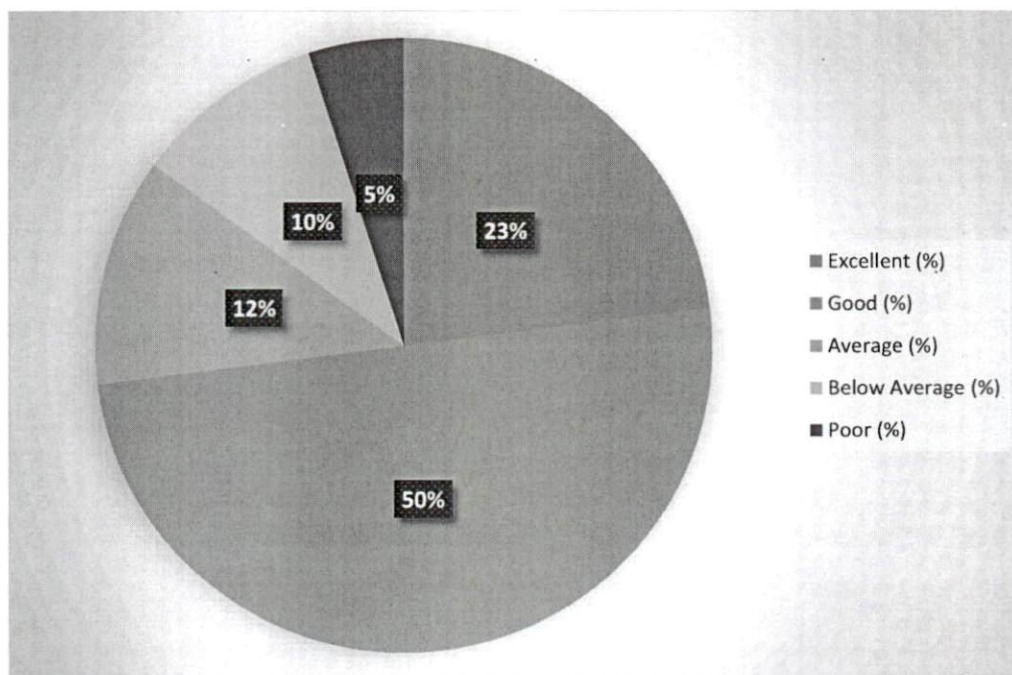
### Employer Feedback on curriculum

Employer Feedback Analysis (2018-19) for the M. Tech (Thermal Engineering) program.

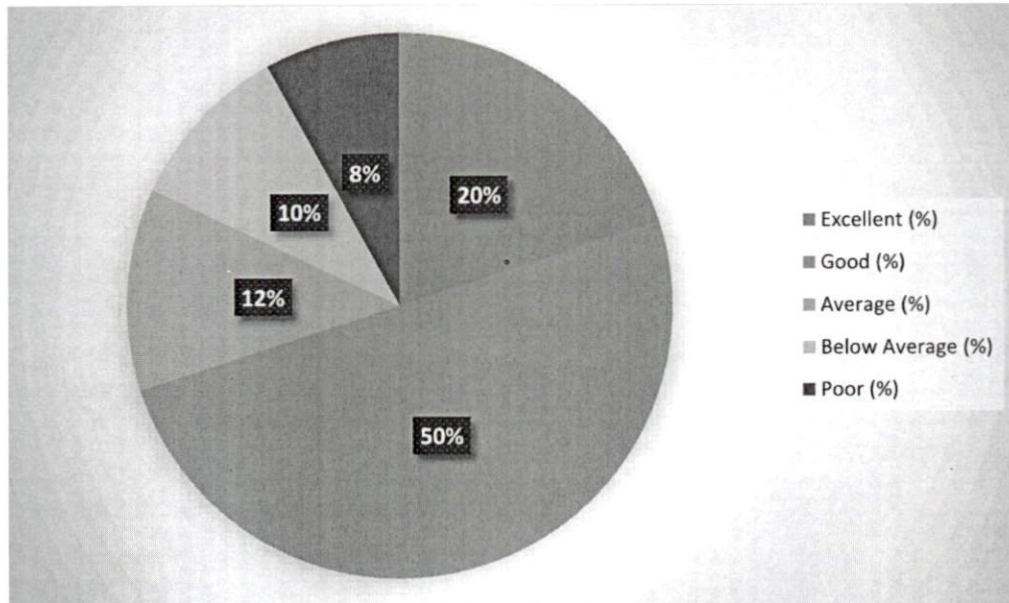
S. NO	Question related to Curriculum	Opinion of the Employer with percentage					Majority opinion	% of Majority Opinion
		Excellent (%)	Good (%)	Average (%)	Below Average (%)	Poor (%)		
1	Curriculum is contemporary and need based	23	50	12	10	5	Excellent & good	73%
2	There is adequate emphasis on employability skills/ skill development/entrepreneurship in the curriculum	20	50	12	10	8	Excellent & good	70%
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

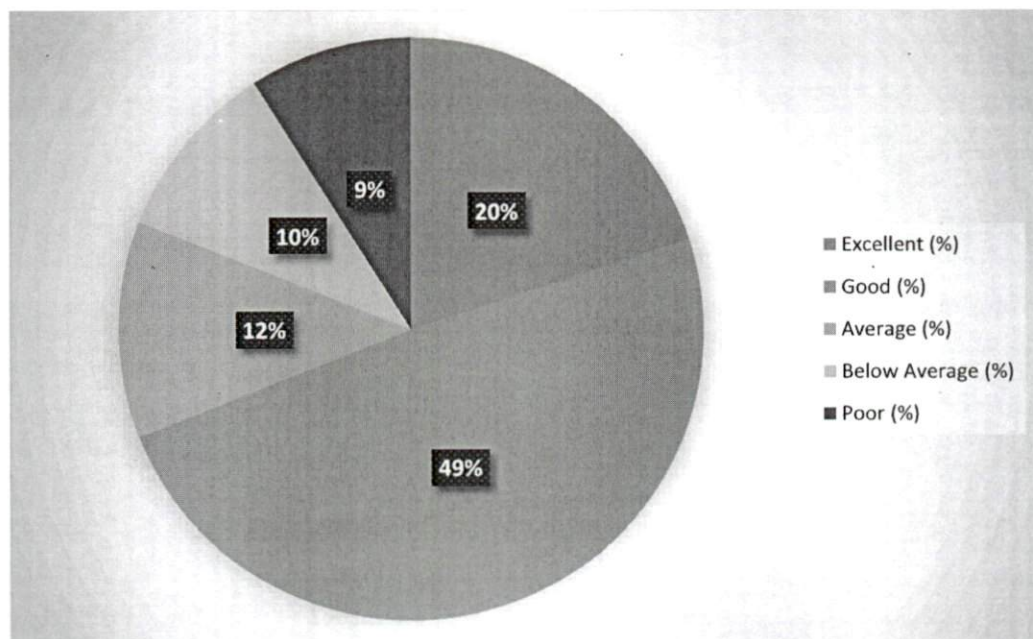
#### 1. Curriculum is contemporary and need based



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. Modern Trends in Refrigeration and Air Conditioning
2. Computer Aided Design of Thermal System
3. Computer Aided Design of AC Duct System

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

1. Design of Experiments
2. Computational Fluid Flow
3. Molecular Simulation

**Any other suggestions on Curriculum**

1. Include industry interaction sessions.
2. Keep the syllabus flexible.
3. Incorporate Visual Distinctions

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

1. Better to acquire multiple technical skills to perform well in the stream.



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

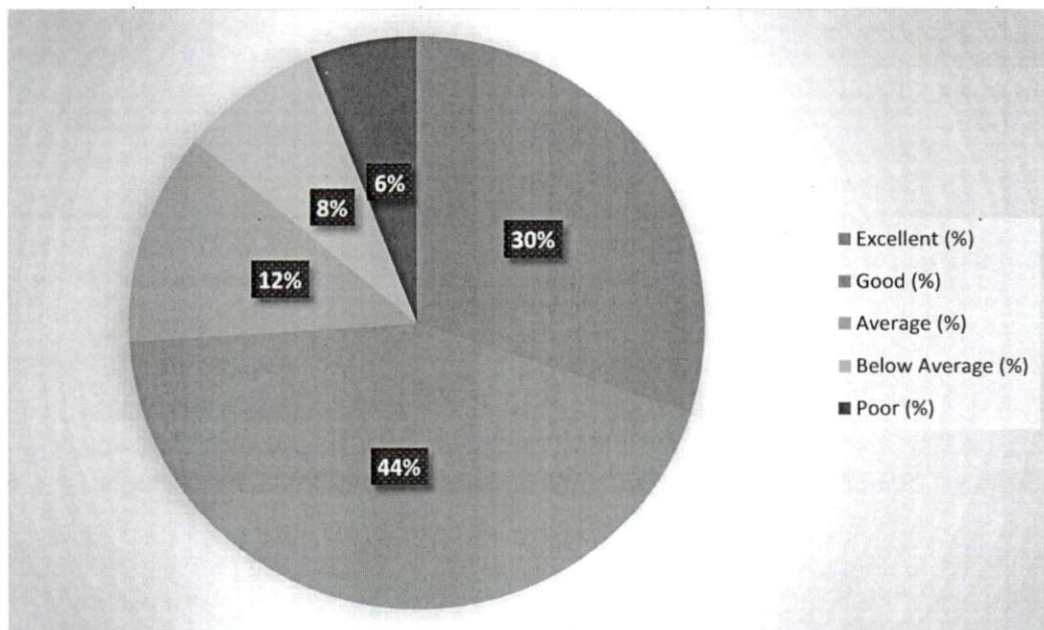
### Alumni Feedback on curriculum

Alumni Feedback Analysis (2018-19) for the **M. Tech (Thermal Engineering)** program.

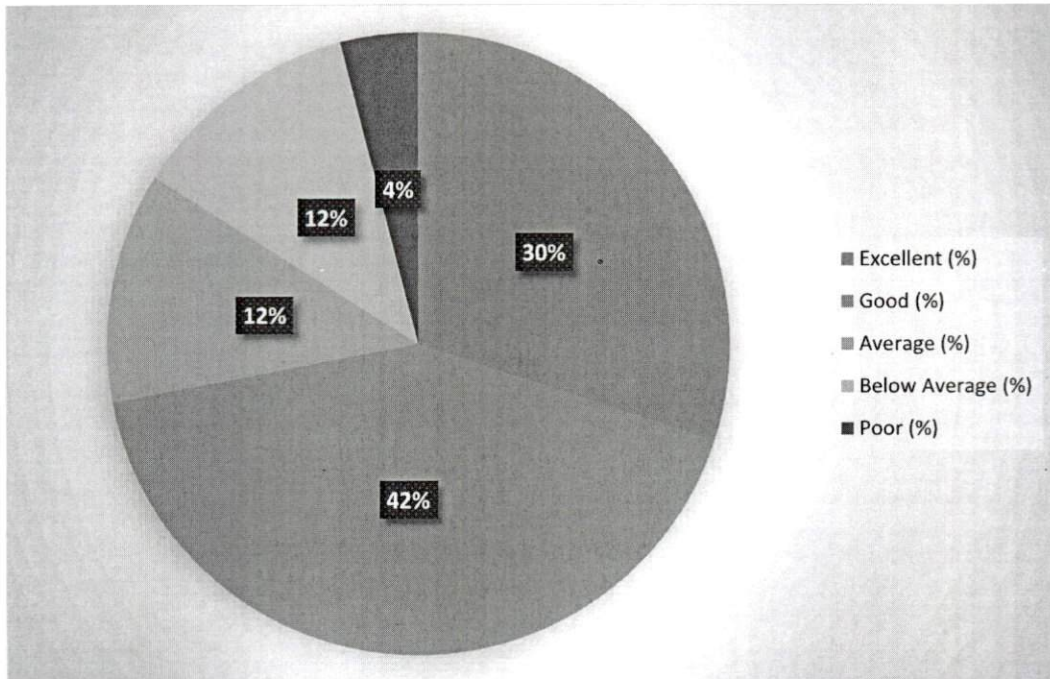
S. NO	Question related to Curriculum	Opinion of the alumni with percentage					Majority opinion	% of Majority Opinion
		Excellent (%)	Good (%)	Average (%)	Below Average (%)	Poor (%)		
1	Curriculum is contemporary and need based	30	44	12	8	6	Excellent & good	74%
2	There is adequate emphasis on employability skills/ skill development/entrepreneurship in the curriculum	30	42	12	12	4	Excellent & good	72%
3	The electives offered in the curriculum suits the industry needs and technological advancements.	30	42	12	10	6	Excellent & good	72%

### Graphical representation of Alumni feedback analysis

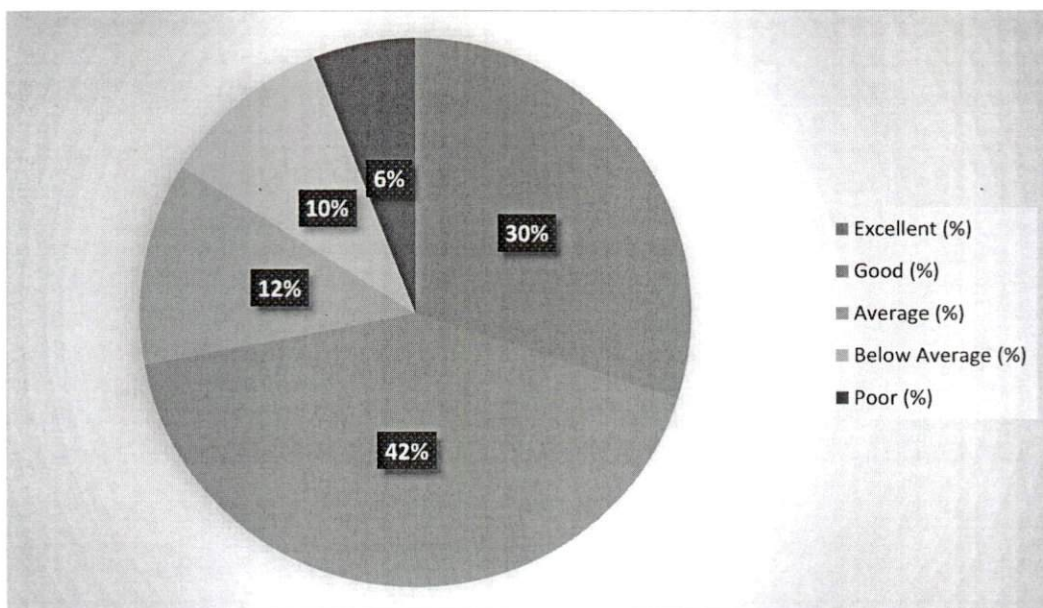
#### 1. Curriculum is contemporary and need based



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. Improve lab equipment's.
2. Add Process Design and Simulation
3. ANSYS, CFD, COMSOL, ABAQUS

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

1. Add Molecular Dynamics tool to the curriculum
2. Droplet dynamics
3. Advanced Optimization Techniques

**Give any other suggestions for improving the Curriculum**

1. Add High end computational facilities for lab work and research purpose
2. Add Performance testing of solar thermal collector's experimentation in TE lab.
3. Provide Hybrid energy laboratory setups

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

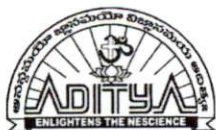
1. Student require strong technical knowledge, critical thinking, communication skills are in demand.



Signature of the HOD

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





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## DEPARTMENT OF MECHANICAL ENGINEERING

### Teacher Feedback on curriculum

Teacher Feedback Analysis (2018-19) for the **M. Tech (Thermal Engineering)** program.

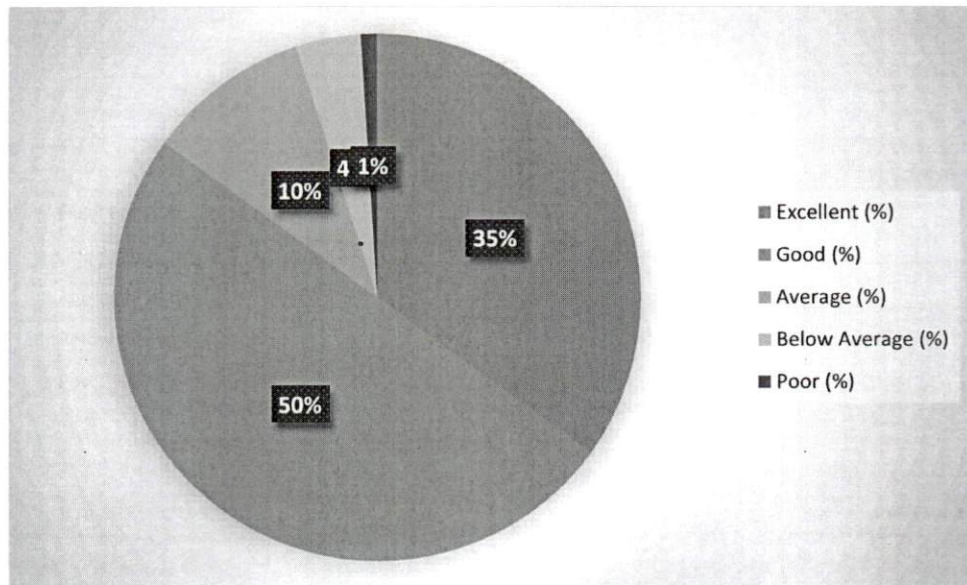
S. NO	Question related to Curriculum	Opinion of the Teacher with percentage					Majority opinion	% of Majority Opinion
		Excellent (%)	Good (%)	Average (%)	Below Average (%)	Poor (%)		
1	Curriculum is contemporary and need based	35	50	10	4	1	Excellent & good	86%
2	The Program Educational Objectives, Program outcomes, Program Specific Outcomes, Course Objectives and Course Outcomes are well defined and clear.	32	53	8	5	2	Excellent & good	86%
3	Curriculum has good balance of Theory and Practical courses.	30	53	10	5	2	Excellent & good	87%
4	Faculty have the freedom to adopt new techniques for teaching like seminars, presentations, group discussions, flip class room etc.	30	58	7	2	1	Excellent & good	85%
5	The hands on experience gained by the students through the laboratory courses is up to the expectations.	30	50	10	6	4	Excellent & good	86%
6	The students attain the PEOs, POs, PSOs and COs satisfactorily.	32	56	8	2	2	Excellent & good	84%
7	There is adequate emphasis on employability skills/skill development/entrepreneurship	34	50	8	6	2	Excellent & good	85%

	emphasis in the curriculum.							
8	There is adequate emphasis on Communication Skills in the Curriculum	34	50	8	6	2	Excellent & good	85%
9	There is adequate emphasis on Human Values, ethics and Professionalism in the Curriculum.	31	54	7	5	3	Excellent & good	85%
10	The curriculum has sufficient number of electives.	32	53	8	5	2	Excellent & good	87%
11	The electives offered in the curriculum suits the industry needs and technological advancements.	32	53	8	5	2	Excellent & good	88%
12	The books prescribed/listed as reference in curriculum are relevant, appropriate and updated.	33	53	10	2	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	38	55	4	2	1	Excellent & good	88%

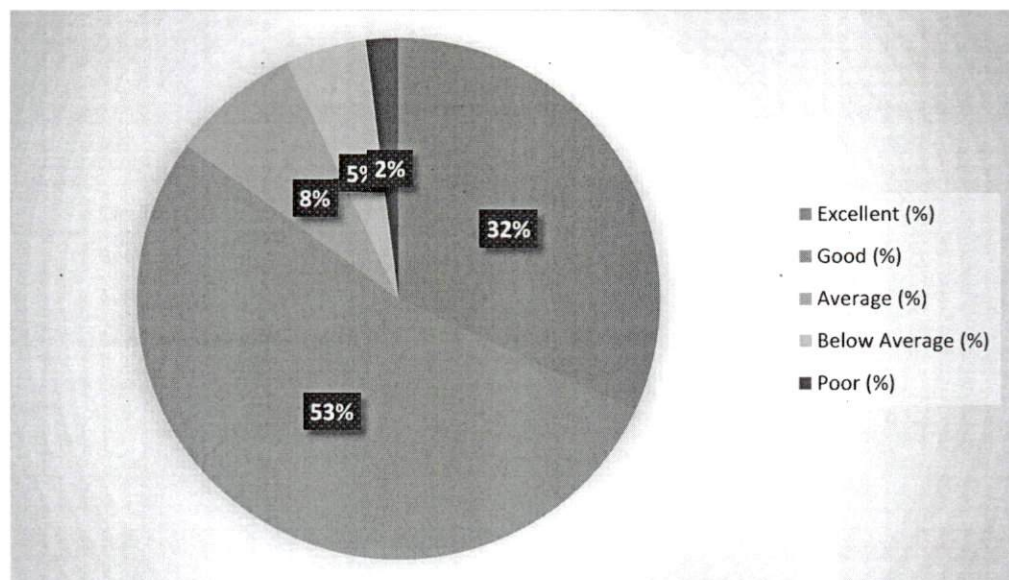


### Graphical representation of Teacher feedback on curriculum

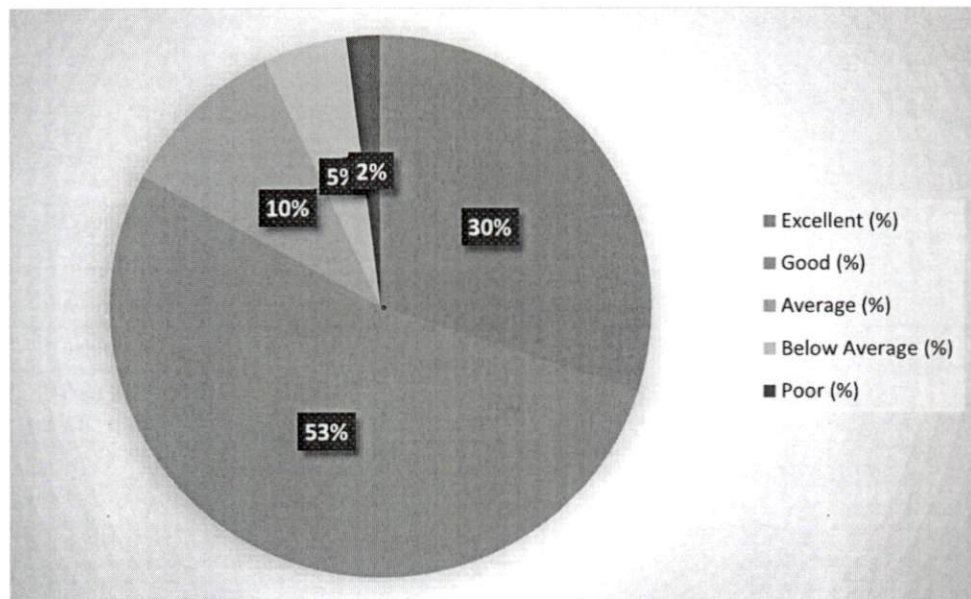
1. Curriculum is contemporary and need based



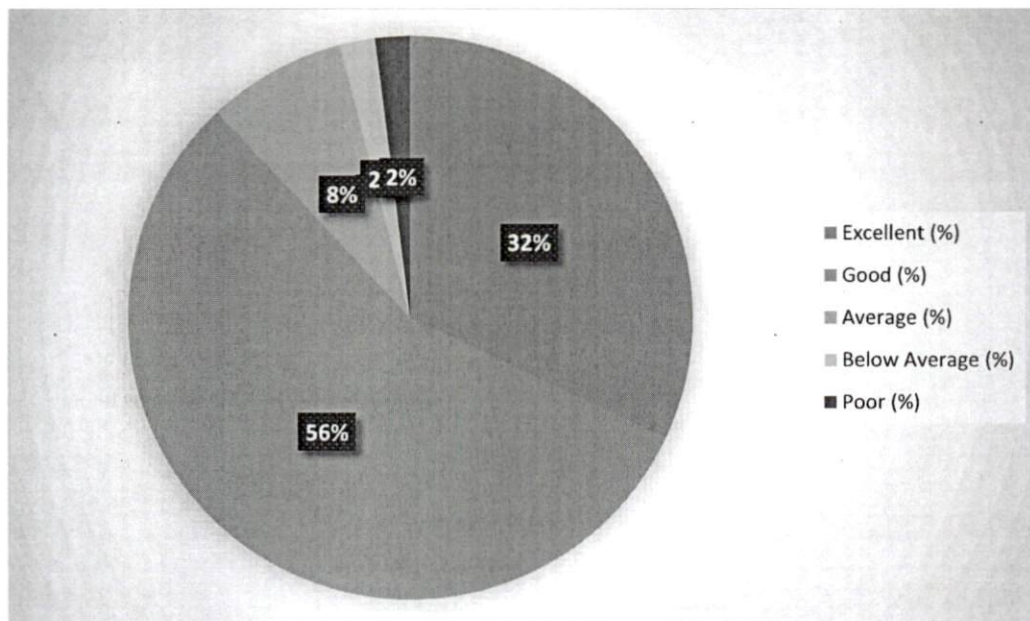
2. The Program Educational Objectives, Program outcomes, Program Specific Outcomes, Course Objectives and Course Outcomes are well defined and clear.



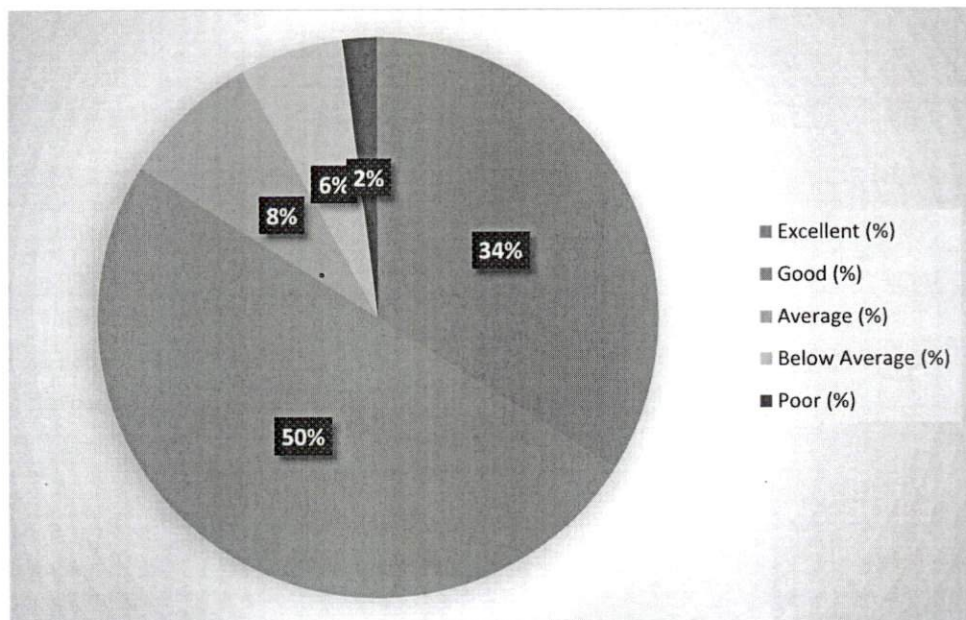
3. Curriculum has good balance of Theory and Practical courses.



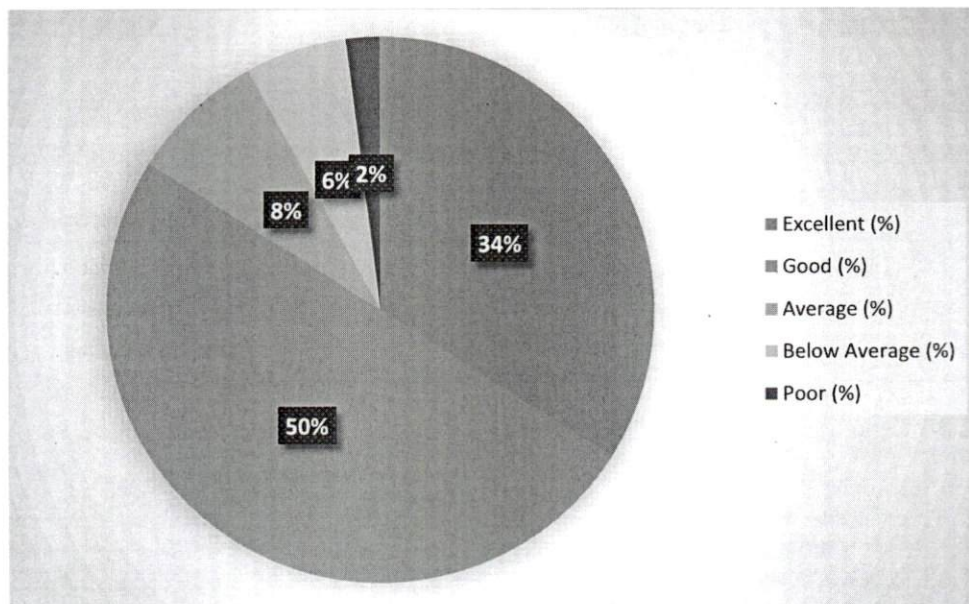
4. Faculty have the freedom to adopt new techniques for teaching like seminars, presentations, group discussions, flip class room etc.



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

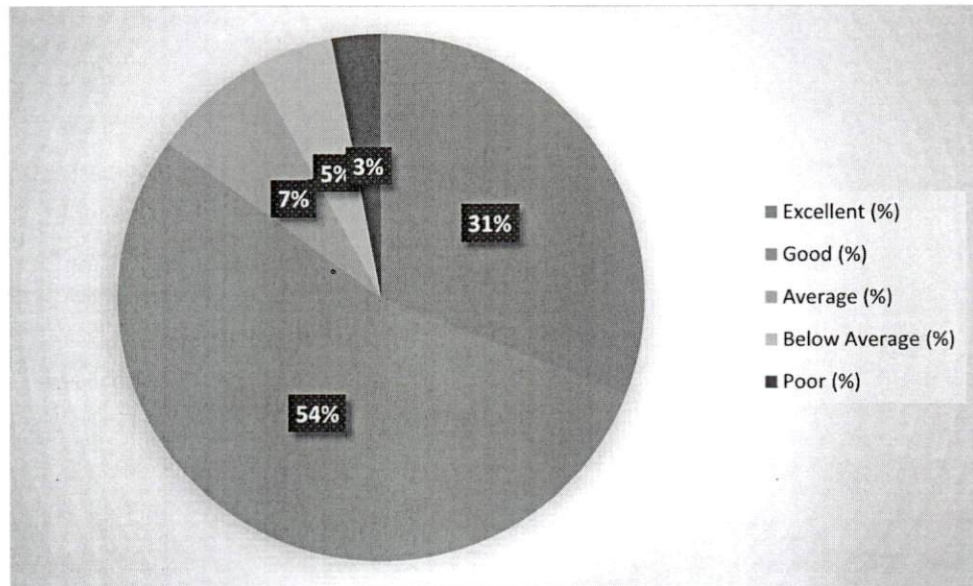


6. The students attain the PEOs, POs, PSOs and COs satisfactorily.

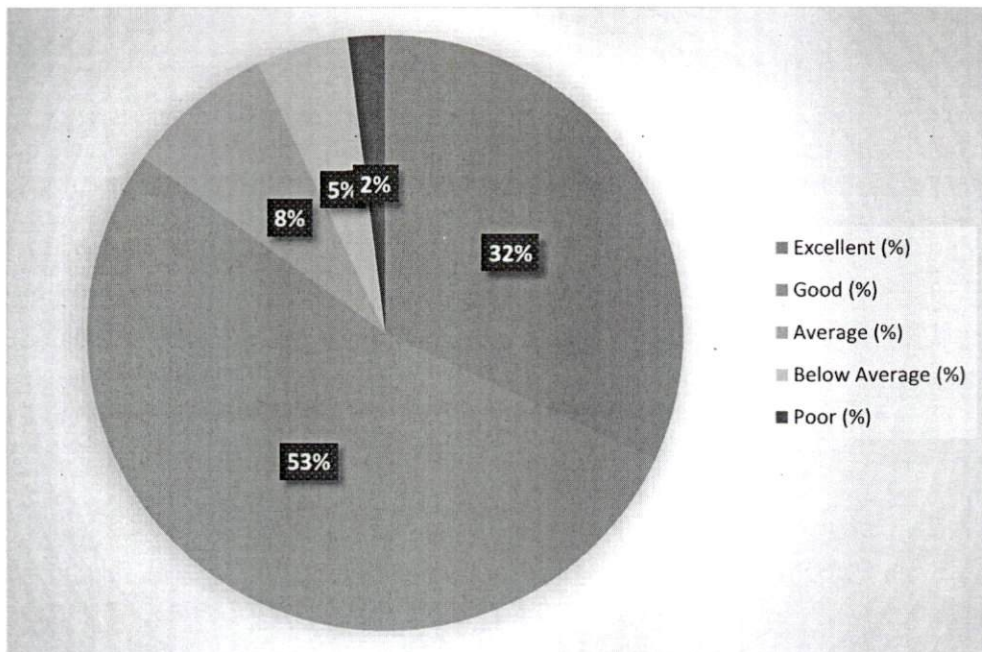




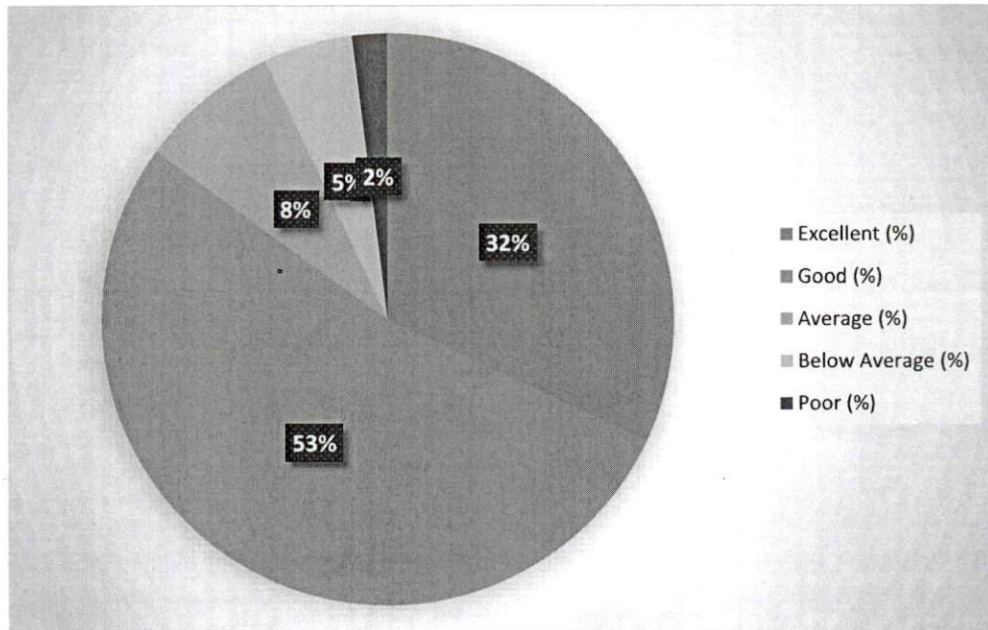
7. There is adequate emphasis on employability skills/ skill development/entrepreneurship in the curriculum.



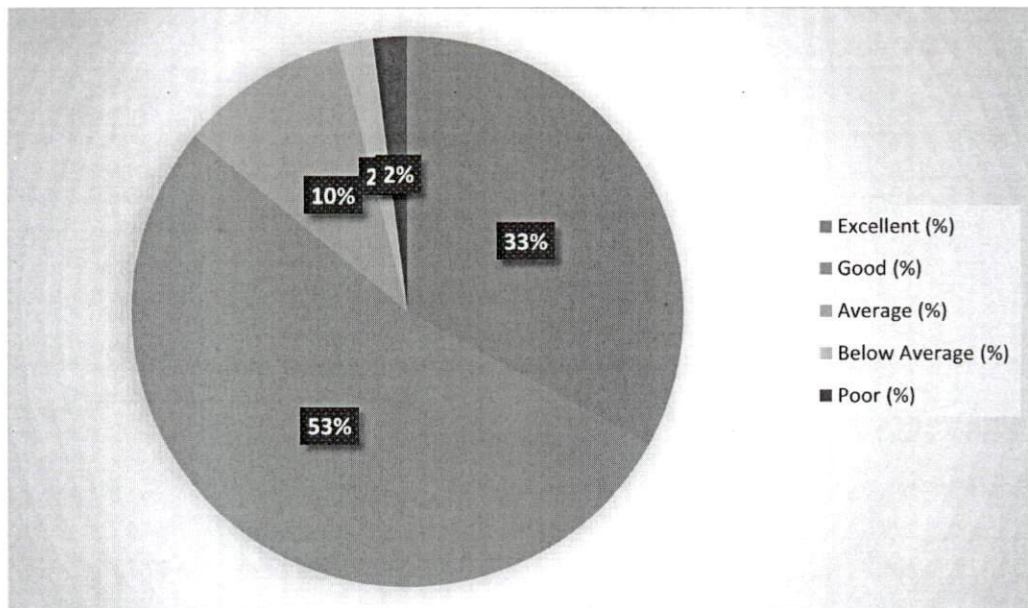
8. There is adequate emphasis on Communication Skills in the Curriculum.



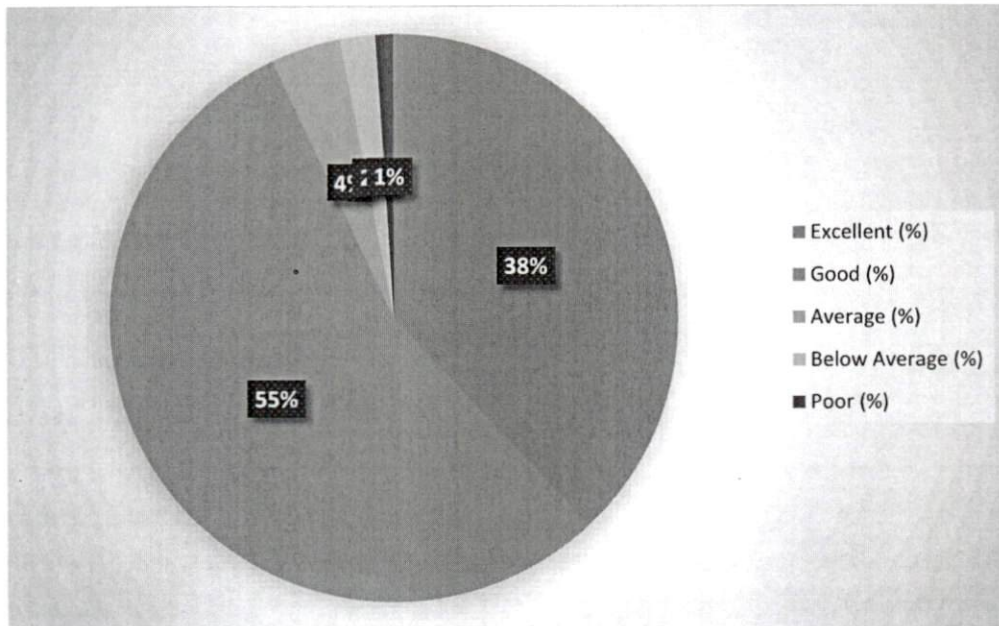
9. There is adequate emphasis on Human Values, ethics and Professionalism in the Curriculum.



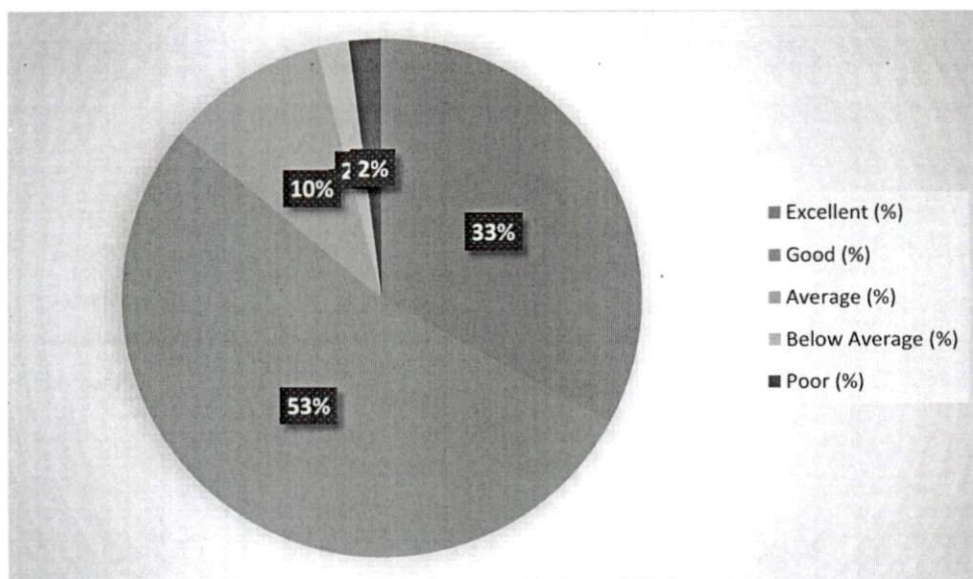
10. The curriculum has sufficient number of electives.



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

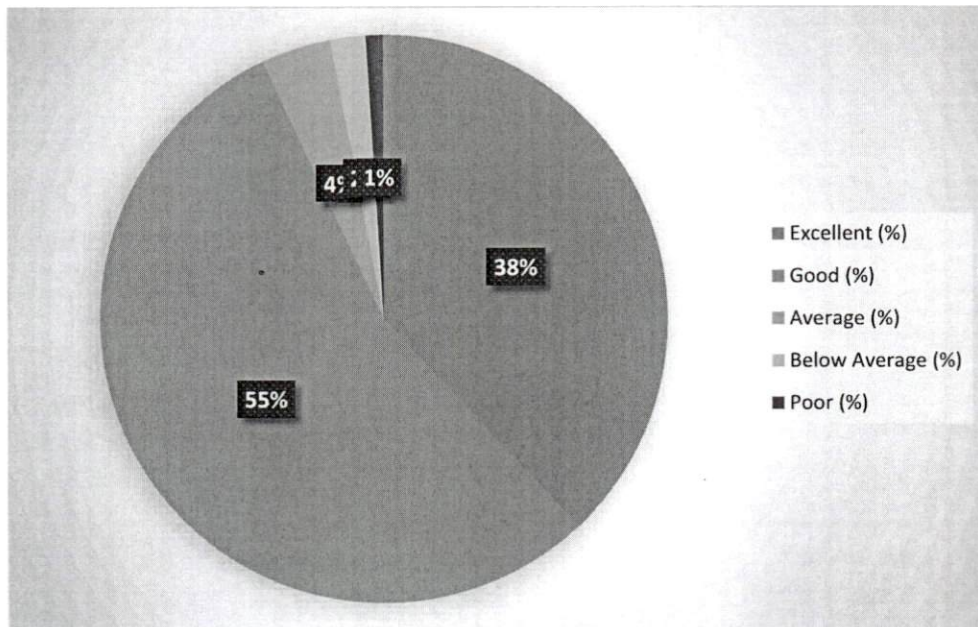


12. The books prescribed/listed as reference in curriculum are relevant, appropriate and updated.





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. Alternative fuels lab and simulation course.
2. Simulation oriented labs are to be conducted.
3. Soft techniques and its applications are to be included.

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

1. Acquiring knowledge on fluids and its interaction and advanced fuels may increase the student ability in the core sector.

Signature of the HOD

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

### Student Feedback on curriculum

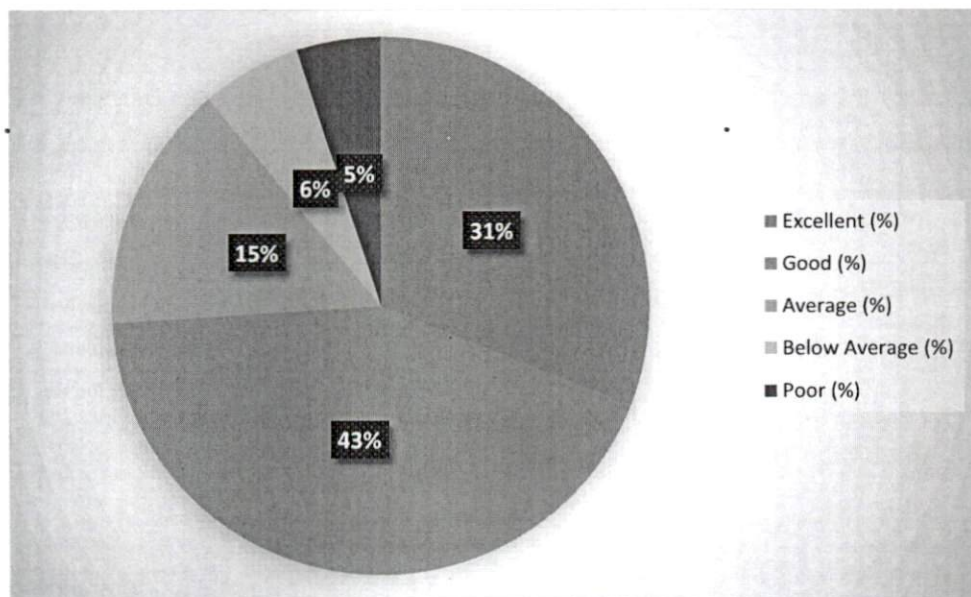
Student Feedback Analysis (2018-19) for the M. Tech (Thermal Engineering) program.

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	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%

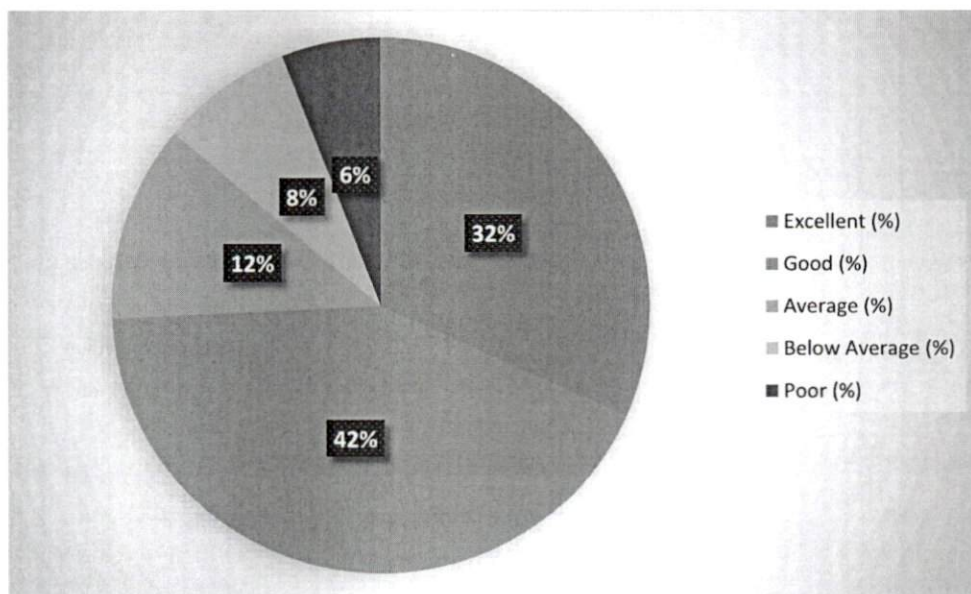
	Evaluation and Semester End Examination.							
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### Graphical representation of Students feedback on curriculum

1. Curriculum is contemporary and need based

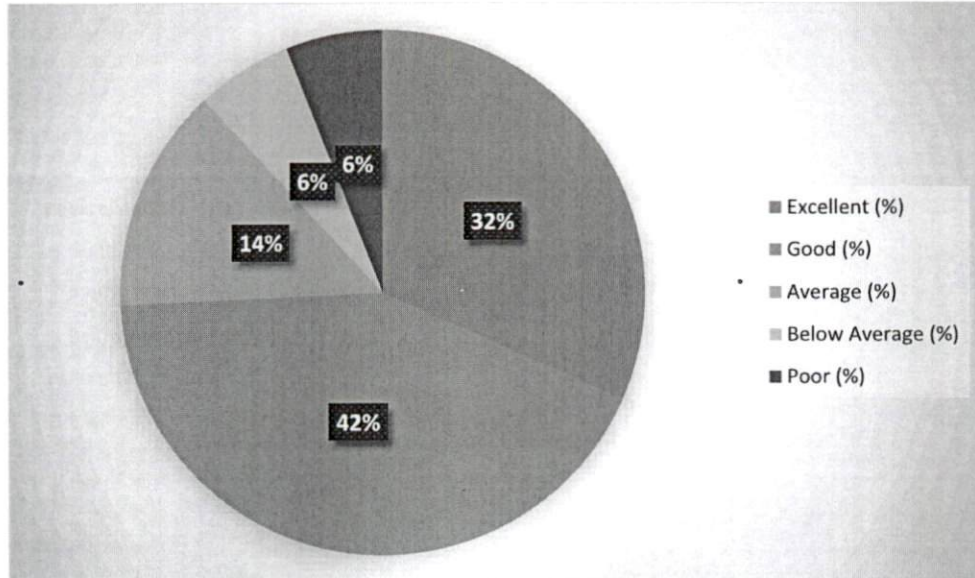


2. Curriculum has good balance of Theory and Practical courses.

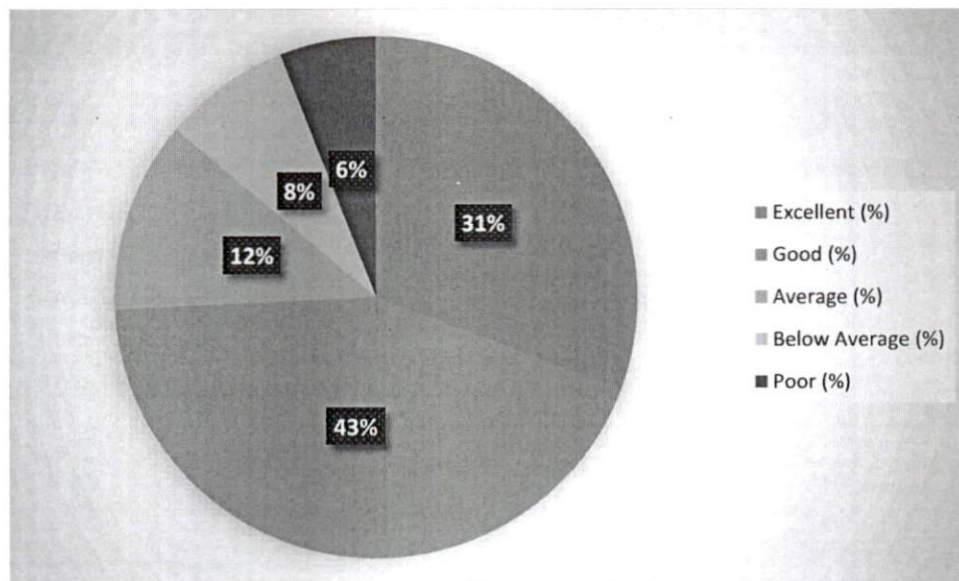




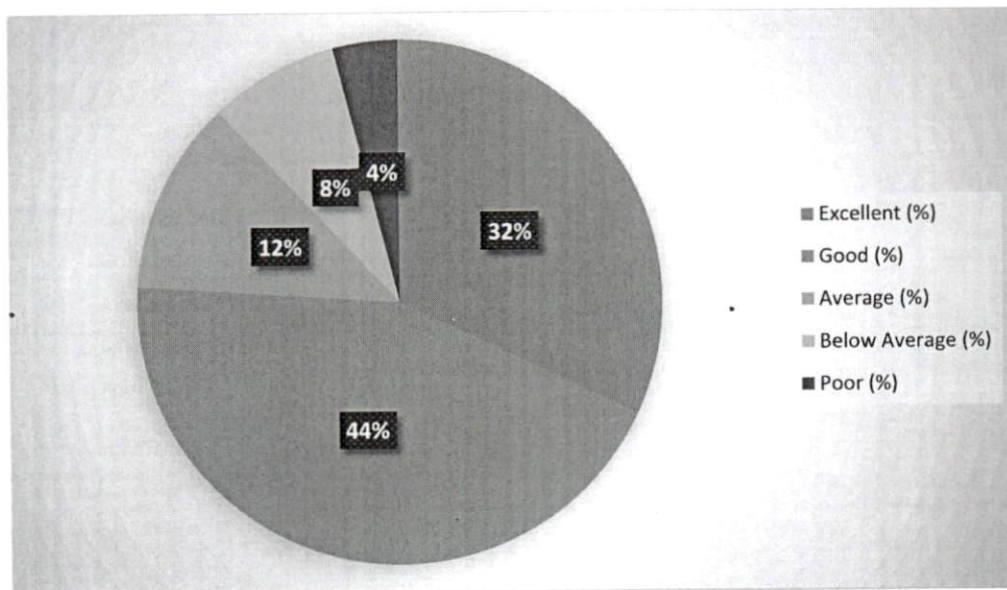
3. The curriculum has sufficient number of electives.



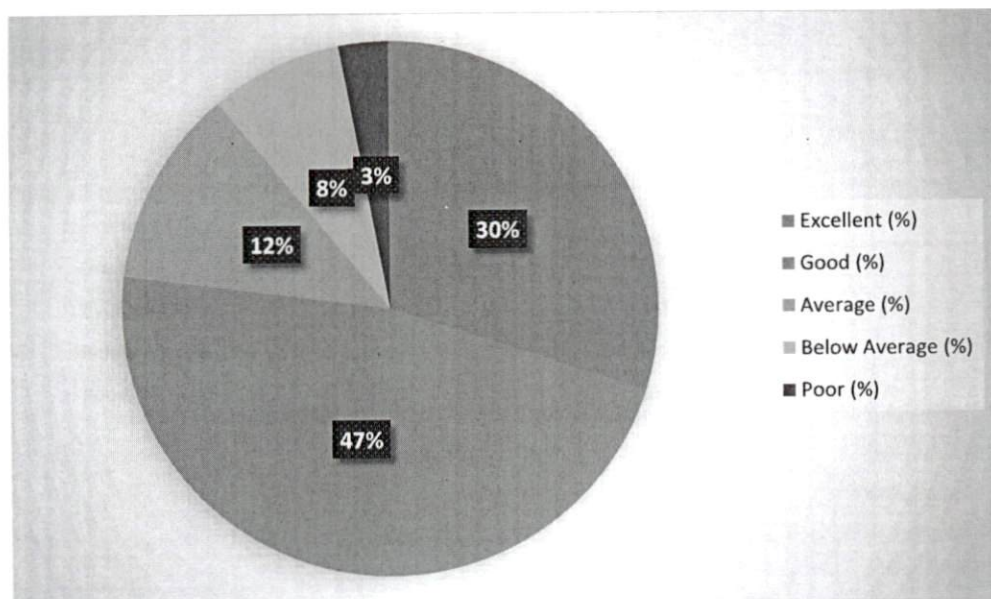
4. There is adequate emphasis on employability skills/ skill development/entrepreneurship in the curriculum.



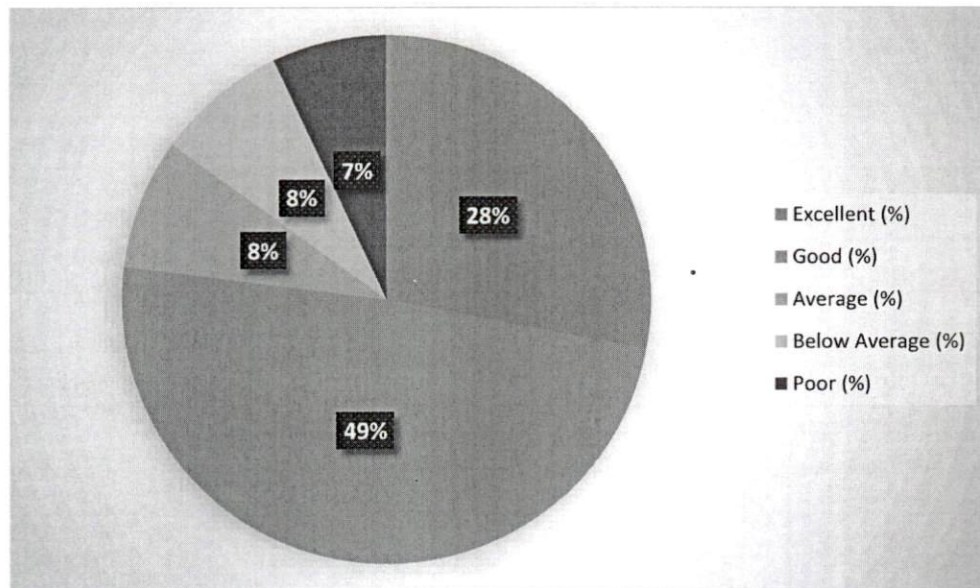
5. There is adequate emphasis on Communication Skills in the Curriculum.



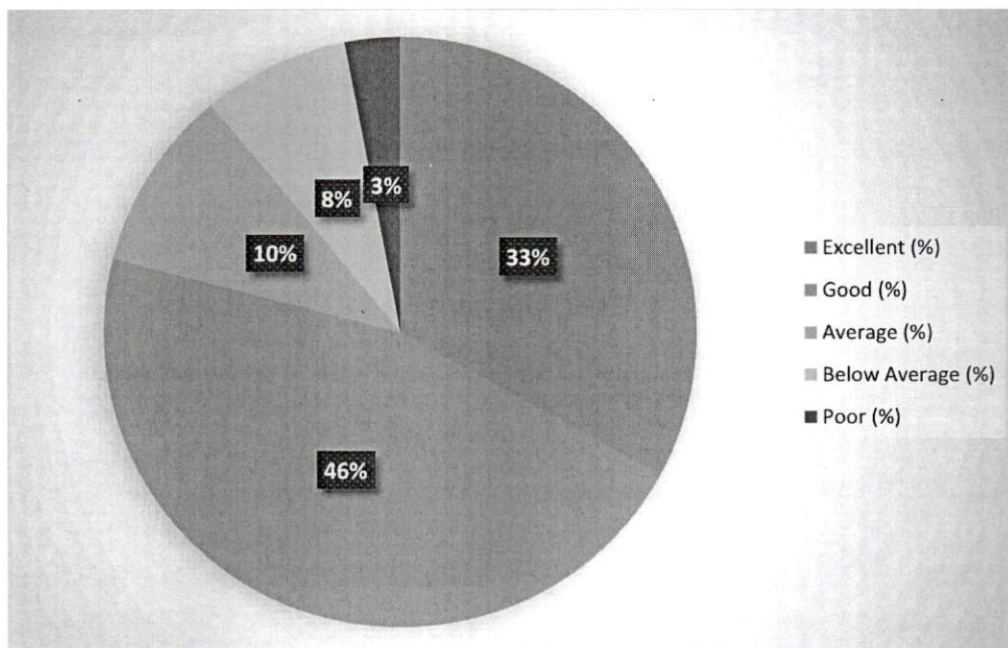
6. There is adequate emphasis on Human Values, ethics and Professionalism in the Curriculum.



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

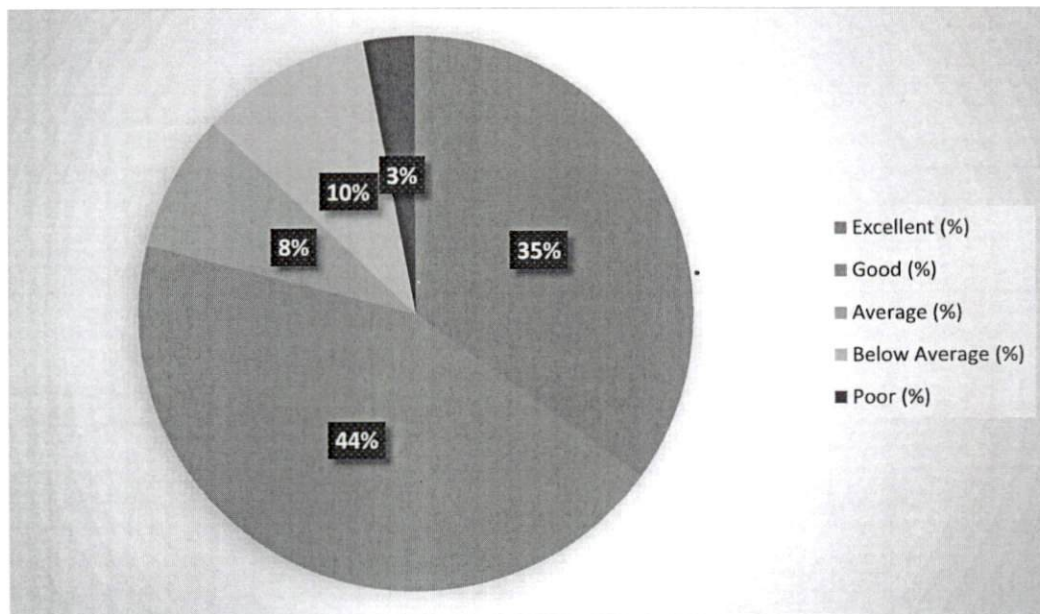


8. The books prescribed/listed as reference in curriculum are relevant, appropriate and updated.

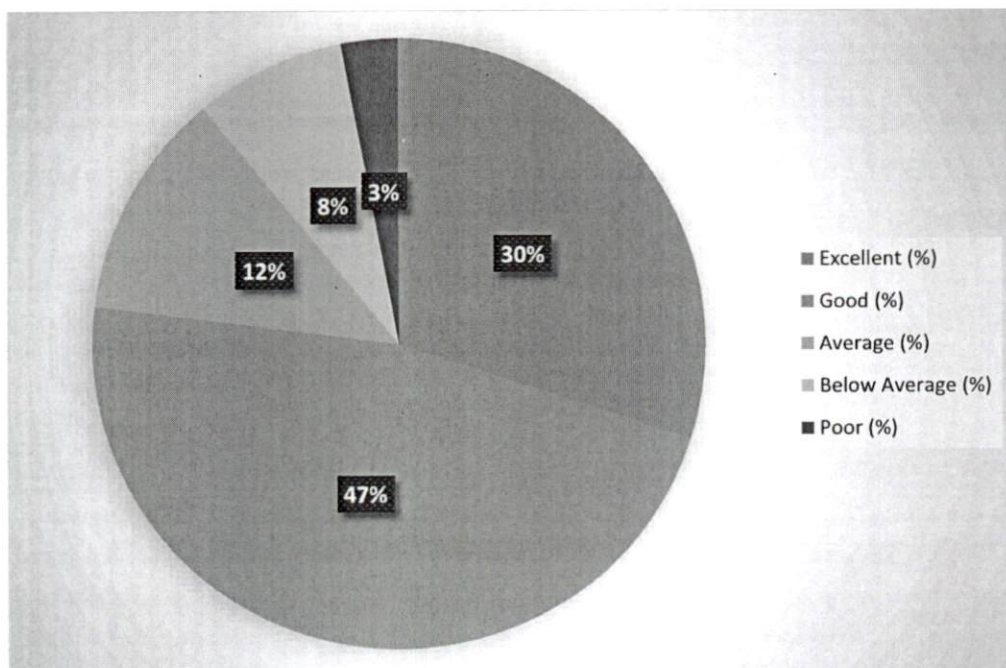




9. The Program Educational Objectives, Program outcomes, Program Specific Outcomes, Course Objectives and Course Outcomes are well defined and clear.



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. Industry Interaction seminars must be included in each semester.
2. In thermal equipment design, it is better to include topics related to applications regarding power plants.
3. Better to incorporate online NPTEL courses.

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

1. It is better to have interaction with industry experts on the latest advancements in the industry.



Signature of the HOD