ADITYA ENGINEERING COLLEGE

An Autonomous Institution

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

Department of Agricultural Engineering

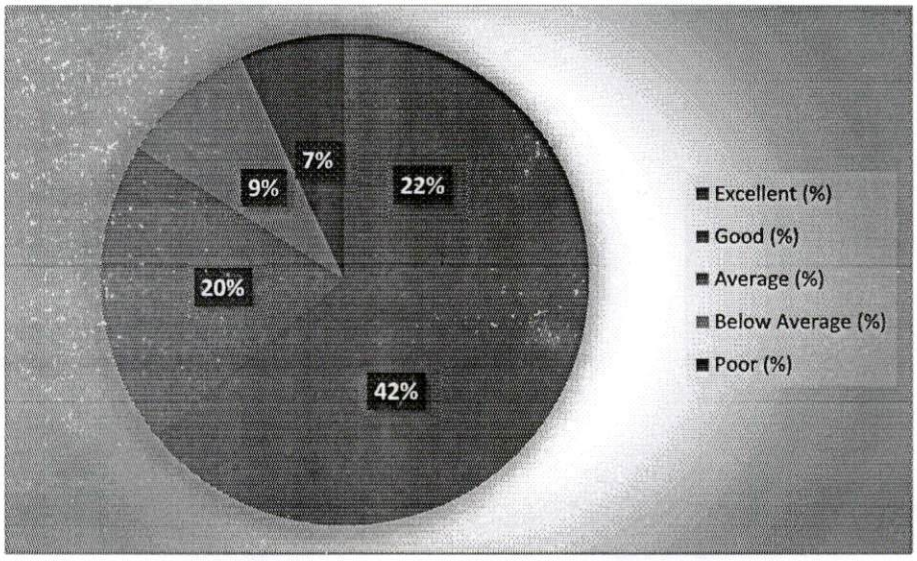
Employer Feedback on curriculum

Employer Feedback Analysis **(2017- 2018)** for the B. Tech **(Agricultural Engineering)** Program.

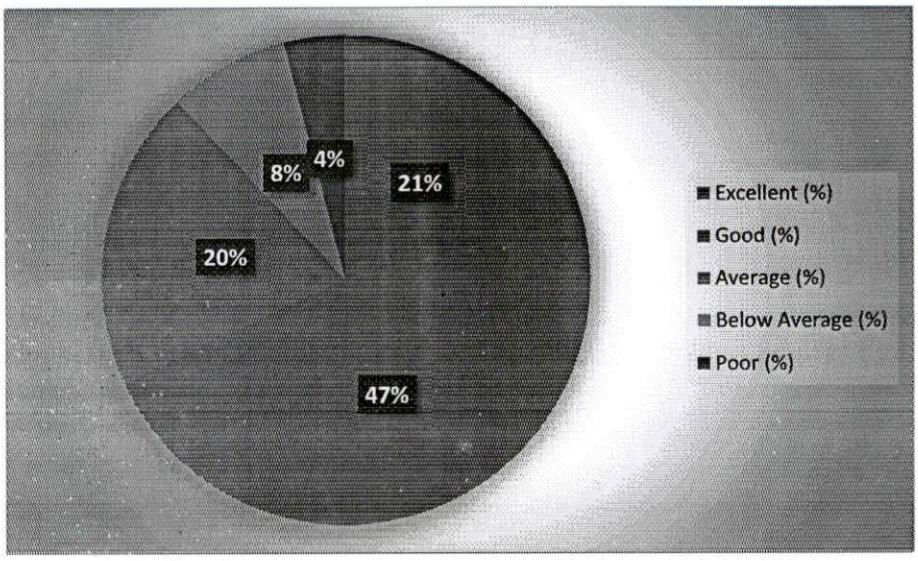
S. NO	Question related to Curriculum	Opinion of the Employer with percentage					Majority opinion	% of Majority Opinion
		Excellent (%)	Good (%)	Average (%)	Below Average (%)	Poor (%)		
1	Curriculum is contemporary and need based	22	42	20	9	7	Excellent & good	64%
2	There is adequate emphasis on employability skills/ skill development/entrepreneurship in the curriculum	21	47	20	8	4	Excellent & good	68%
3	The electives offered in the curriculum suits the industry needs and technological advancements.	22	44	19	8	7	Excellent & good	66%

Graphical representation of Employer feedback analysis

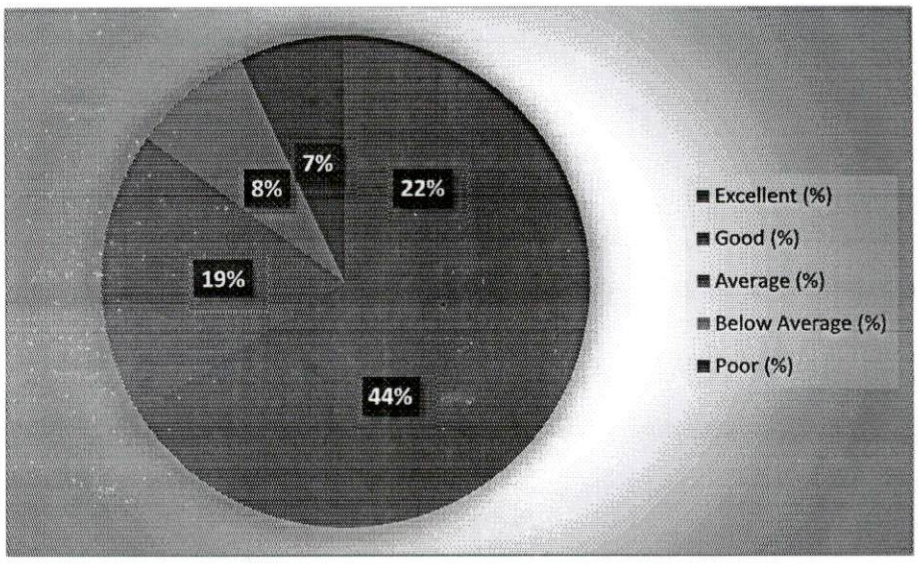
1. **Curriculum is contemporary and need based**



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. Addition of AWS certification courses is compulsory.
2. Add any programming languages in their final year for better preparedness to the interviews.
3. Maximize MOOC's in addition to their original stream.

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

1. Focus should be on Practical knowledge rather than theoretical.
2. Special emphasis has to be given in Aptitude and reasoning.
3. Industrial visits should be mandatorily organised.

Any other suggestions on Curriculum

1. Add supercharger, turbocharger and various steering systems in Farm Power & Tractor System subject.
2. You can incorporate additional industrial visits for better exposure to inculcate technical skills among the students.
3. You can try to change the way students think about life and every aspect in it. Bring a course in that aspect.

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

1. Suggested to provide courses to improve employability skills
2. Suggested to include courses which improve the technical skills of a student.
3. Suggested to add supercharger, turbocharger and various steering systems in Farm Power & Tractor System subject.

Head of the Department

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Department of Agricultural Engineering

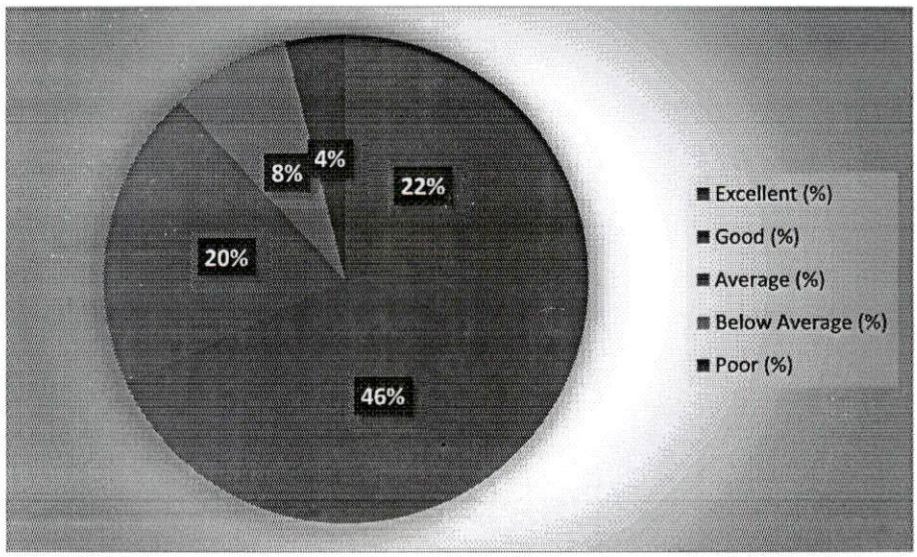
Alumni Feedback on curriculum

Alumni Feedback Analysis **(2017- 2018)** for the **B. Tech (Agricultural Engineering)** Program.

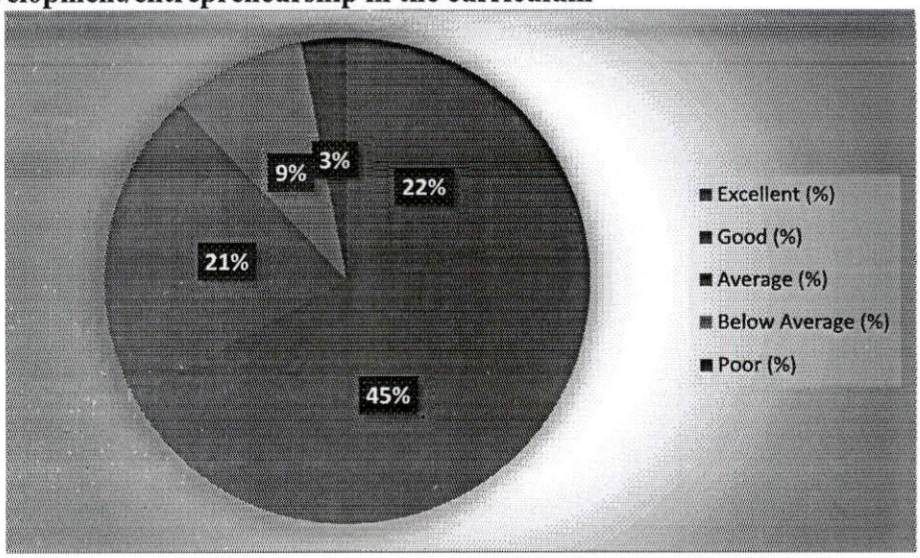
S. NO	Question related to Curriculum	Opinion of the alumni with percentage					Majority opinion	% of Majority Opinion
		Excellent (%)	Good (%)	Average (%)	Below Average (%)	Poor (%)		
1	Curriculum is contemporary and need based	22	46	20	8	4	Excellent & good	68%
2	There is adequate emphasis on employability skills/skill development/entrepreneurship in the curriculum	22	45	21	9	3	Excellent & good	67%
3	The electives offered in the curriculum suits the industry needs and technological advancements.	21	43	20	11	5	Excellent & good	64%

Graphical representation of Alumni feedback analysis

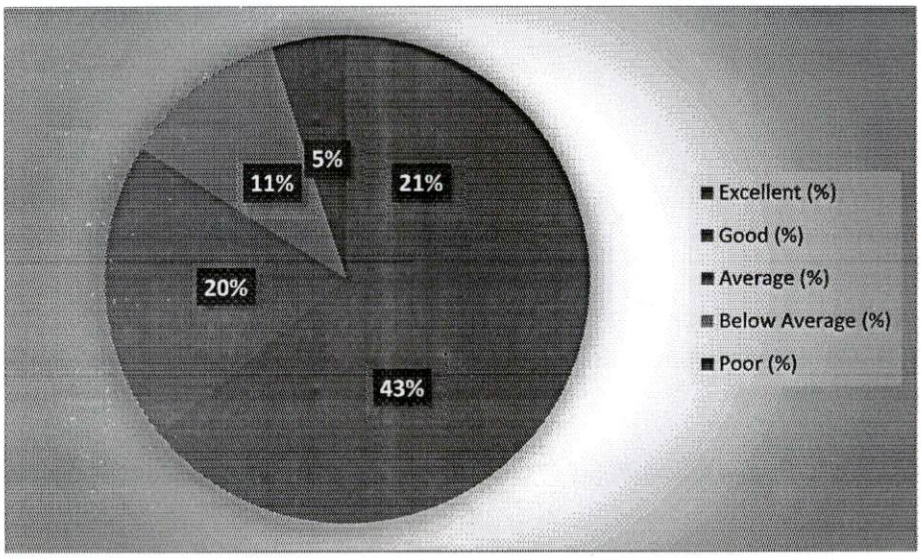
1. **Curriculum is contemporary and need based**



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. Courses inculcating Entrepreneurship among the students have to be provided.
2. Include coding languages into the curriculum which were useful in the software field
3. Include Computer Aided Drawing softwares in the curriculum.

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

1. Make the curriculum suitable for the students to face the competitive examinations and add some numerical methods in Computational Fluid Dynamics course.
2. Contemporary technologies like Precision Farming, Organic Farming have to be included.
3. Organise interactive sessions with well experienced and well knowledged field professionals in Agricultural Engineering.

Give any other suggestions for improving the Curriculum

1. Provide awareness classes on various employment and future research opportunities in Agricultural Engineering.
2. Include more internships and field visits.
3. Lectures have to be given in both English and Telugu to benefit Telugu medium students

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

1. Suggested to include some courses to improve moral awareness while writing research papers.
2. Suggested to include more Industrial/ field visits.
3. Suggested to add some numerical methods in Computational Fluid Dynamics course.

Head of the Department

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Department of Agricultural Engineering

Teacher Feedback on curriculum

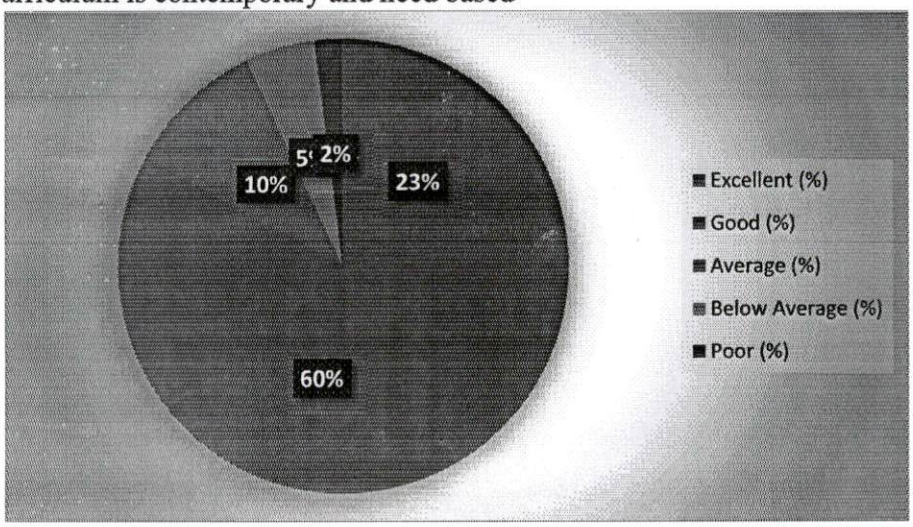
Teacher Feedback Analysis**(2017- 2018)** for the B. Tech **(Agricultural Engineering)** Program.

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	23	60	10	5	2	Excellent & good	83%
2	The Program Educational Objectives, Program outcomes, Program Specific Outcomes, Course Objectives and Course Outcomes are well defined and clear.	30	55	9	4	2	Excellent & good	85%
3	Curriculum has good balance of Theory and Practical courses.	27	58	9	5	1	Excellent & good	85%
4	Faculty have the freedom to adopt new techniques for teaching like seminars, presentations, group discussions, flip class room etc.	26	62	6	5	1	Excellent & good	88%
5	The hands on experience gained by the students through the laboratory courses is up to the expectations.	24	60	10	4	2	Excellent & good	84%
6	The students attain the PEOs, POs, PSOs and COs satisfactorily.	21	62	12	3	2	Excellent & good	83%
7	There is adequate emphasis on employability skills/ skill development/entrepreneurship in the curriculum.	25	63	7	3	2	Excellent & good	88%

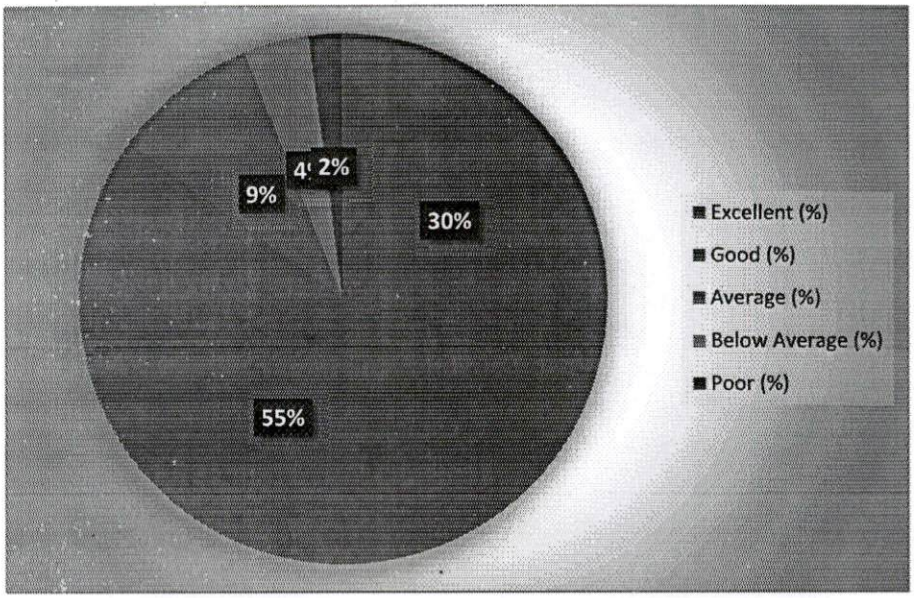
8	There is adequate emphasis on Communication Skills in the Curriculum	23	60	12	3	2	Excellent & good	83%
9	There is adequate emphasis on Human Values, ethics and Professionalism in the Curriculum.	26	58	9	5	2	Excellent & good	84%
10	The curriculum has sufficient number of electives.	24	62	8	4	2	Excellent & good	86%
11	The electives offered in the curriculum suits the industry needs and technological advancements.	23	63	8	3	3	Excellent & good	86%
12	The books prescribed/listed as reference in curriculum are relevant, appropriate and updated.	22	63	11	2	2	Excellent & good	85%
13	The rubrics for assessment is described clearly and there is adequate weightage for Continuous Internal Evaluation and Semester End Examination	20	63	10	5	2	Excellent & good	83%

Graphical representation of Teacher feedback on curriculum

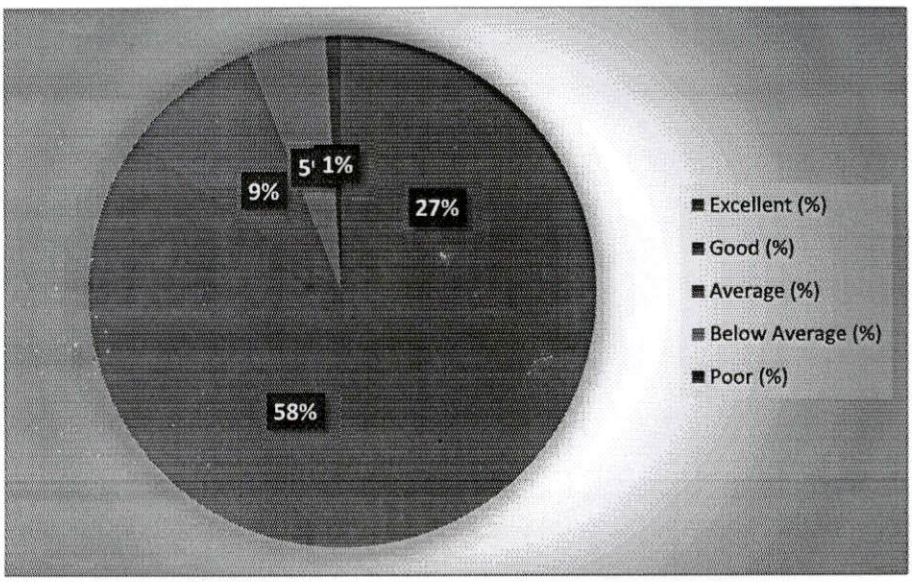
1. Curriculum is contemporary and need based



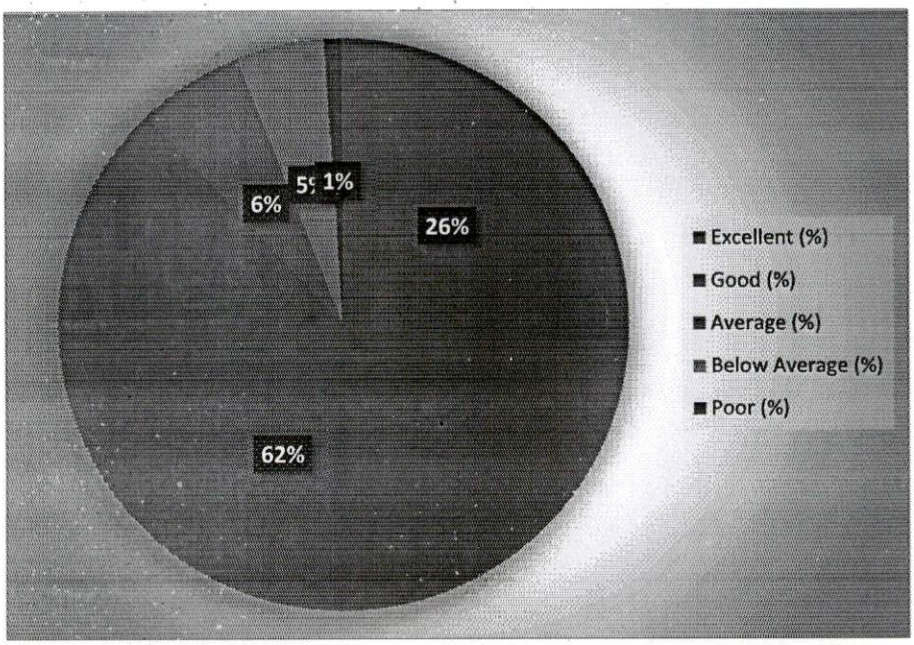
2. The Program Educational Objectives, Program outcomes, Program Specific Outcomes, Course Objectives and Course Outcomes are well defined and clear.



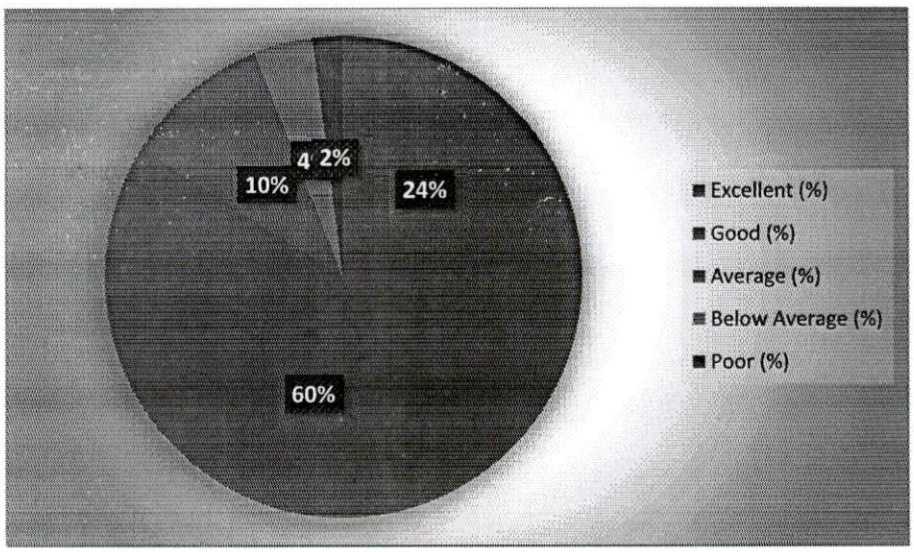
3. Curriculum has good balance of Theory and Practical courses.



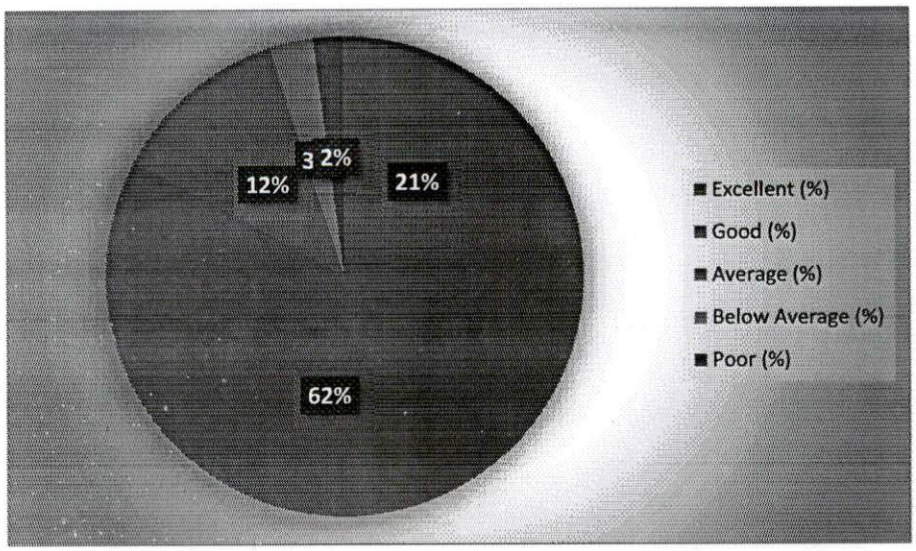
4. Faculty have the freedom to adopt new techniques for teaching like seminars, presentations, group discussions, flip class room etc.



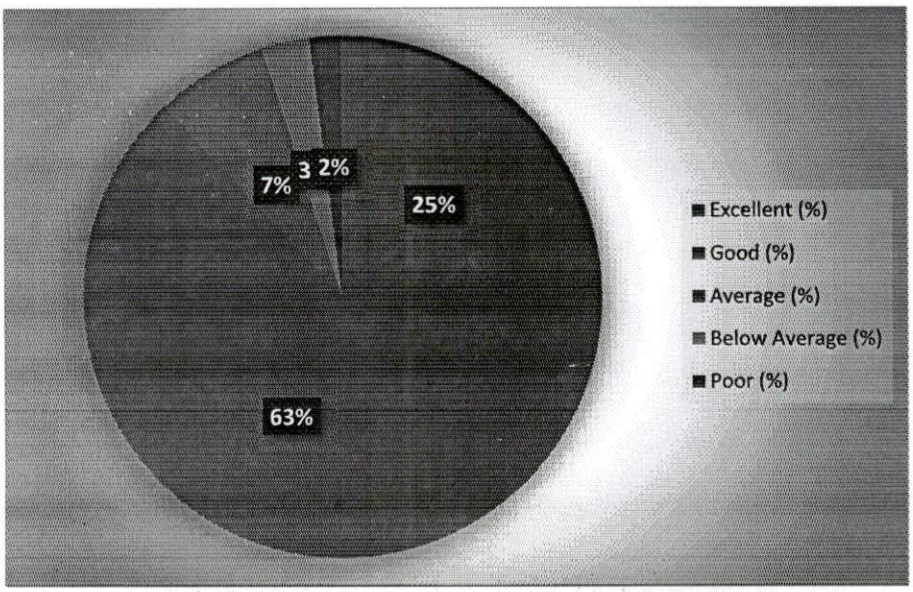
5. The hands on experience gained by the students through the laboratory courses is up to the expectations.



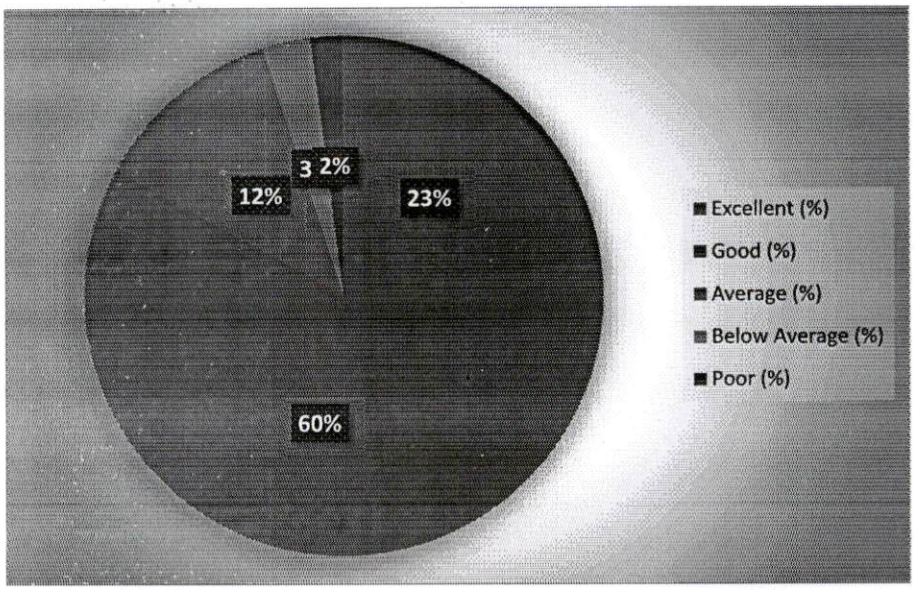
6. The students attain the PEOs, POs, PSOs and COs satisfactorily.



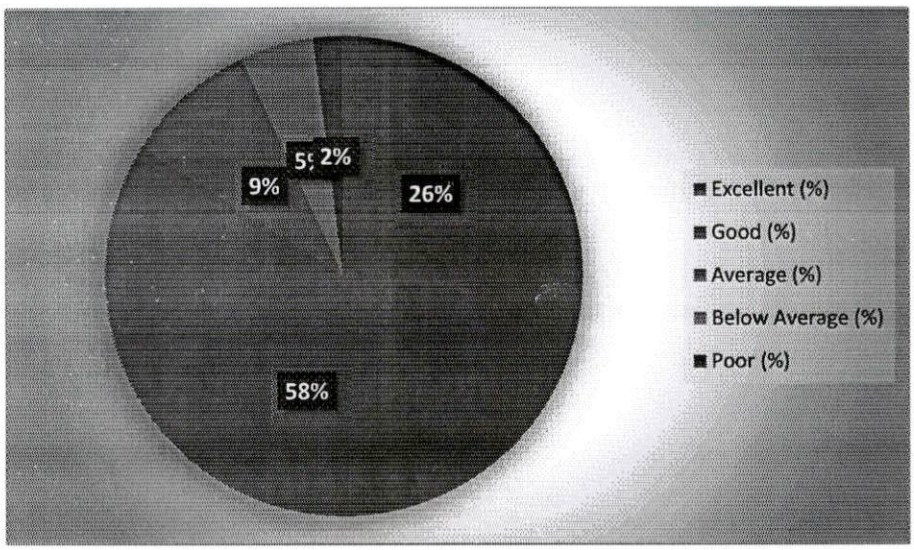
7. There is adequate emphasis on employability skills/ skill development/entrepreneurship in the curriculum.



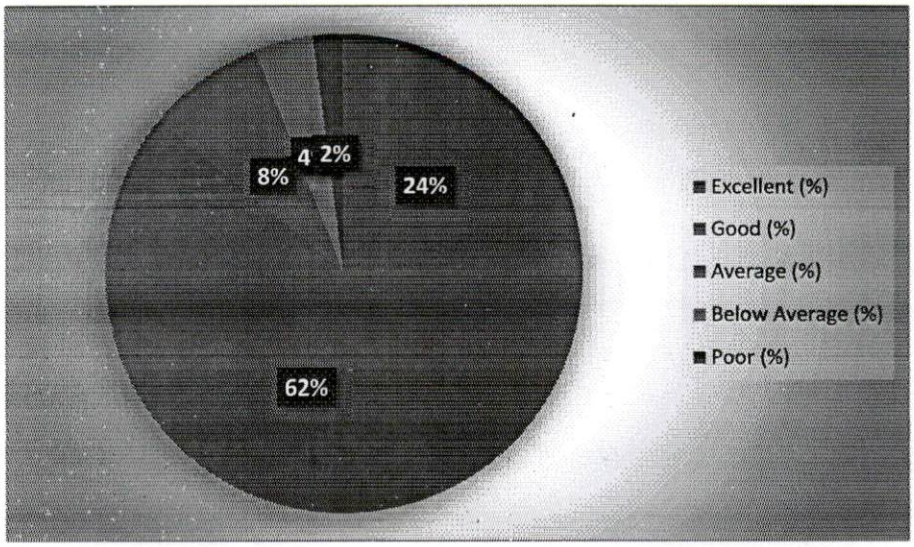
8. There is adequate emphasis on Communication Skills in the Curriculum.



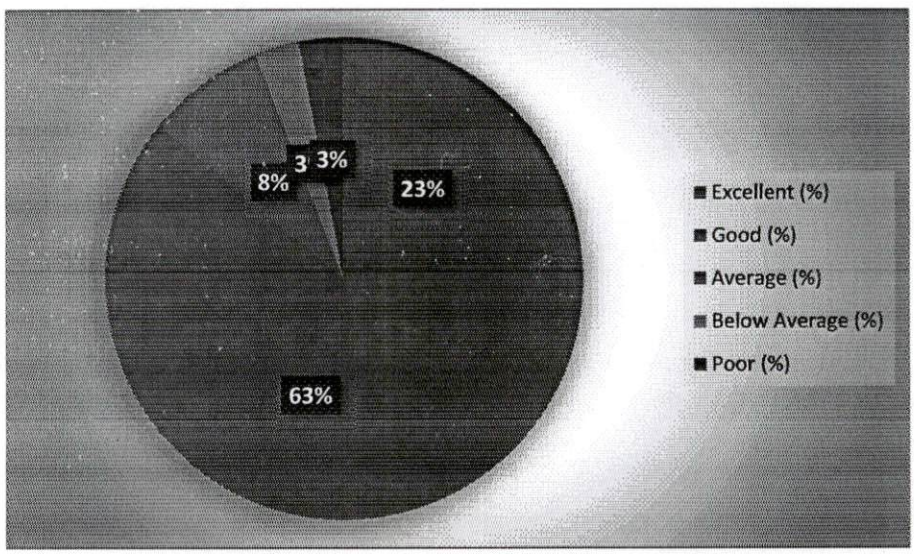
9. There is adequate emphasis on Human Values, ethics and Professionalism in the Curriculum.



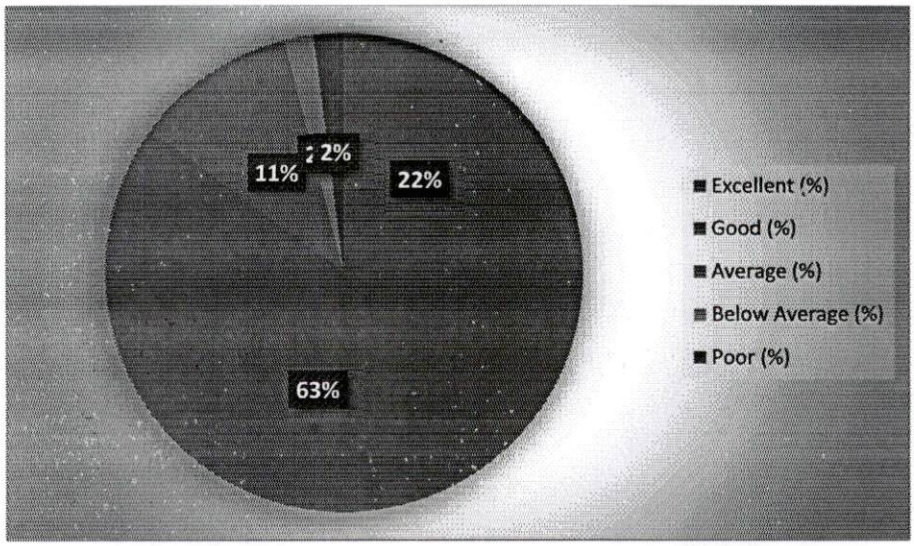
10. The curriculum has sufficient number of electives.



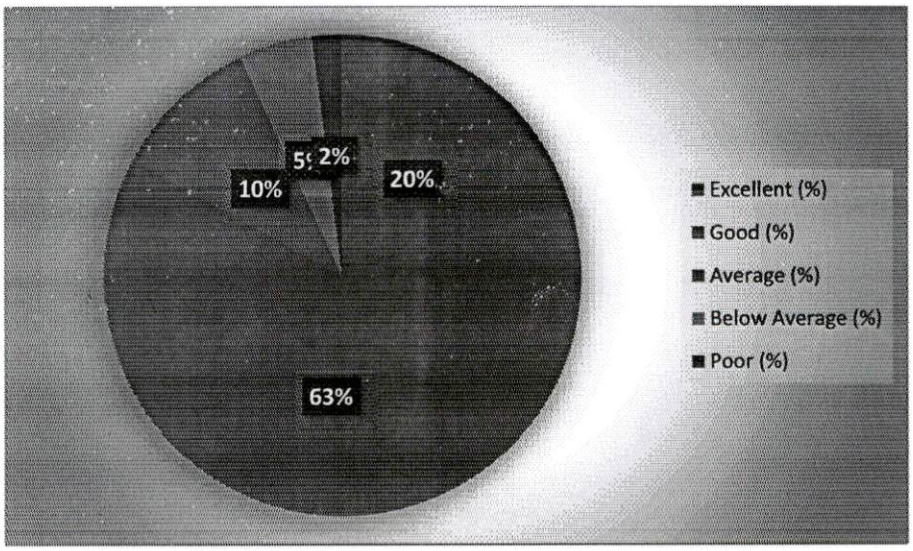
11. The electives offered in the curriculum suits the industry needs and technological advancements.



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. It would be better to shift Dairy and Food Engineering subject from VI to VII semester.
2. Incorporation of Advanced courses will help the students to improve their knowledge and skills.
3. Curriculum was good enough but practical based training is required.
4. Combine sowing and fertilization under same topic Principles of Soil Science and Agronomy course.

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

1. Suggested to shift Dairy and Food Engineering subject from VI to VII semester.
2. Suggested to include crop co-efficient critical moisture sensitive periods, growth stages of various crops topic in Irrigation & Drainage Engineering.
3. Suggested to combine sowing and fertilization under same topic Principles of Soil Science and Agronomy course.

Head of the Department

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Department of Agricultural Engineering

Student Feedback on curriculum

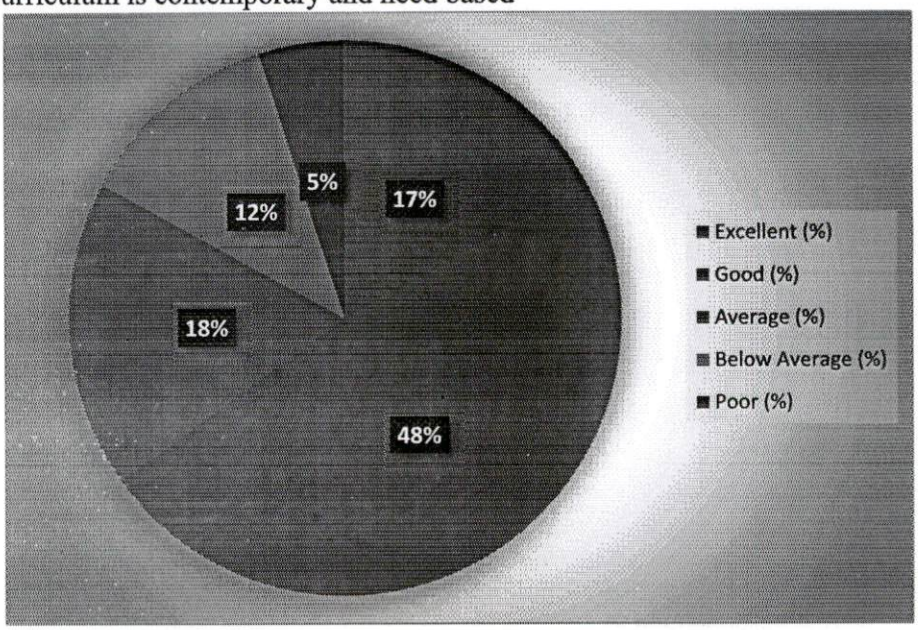
Student Feedback Analysis **(2017- 2018)** for the B. Tech **(Agricultural Engineering)** Program.

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	17	48	18	12	5	Excellent & good	65%
2	Curriculum has good balance of Theory and Practical courses	20	48	15	12	5	Excellent & good	68%
3	The curriculum has sufficient number of electives	19	49	14	10	8	Excellent & good	68%
4	There is adequate emphasis on employability skills / skill development/entrepreneurs hip in the curriculum.	15	47	12	12	4	Excellent & good	72%
5	There is adequate emphasis on Communication Skills in the Curriculum.	24	48	13	11	4	Excellent & good	72%
6	There is adequate emphasis on Human Values, ethics and Professionalism in the Curriculum.	22	53	12	10	8	Excellent & good	75%
7	The electives offered in the curriculum suits the industry needs and technological advancements.	22	48	20	8	2	Excellent & good	70%
8	The books prescribed/listed as reference in curriculum are relevant, appropriate and updated.	20	55	14	8	8	Excellent & good	75%
9	The Program Educational Objectives, Program outcomes, Program Specific Outcomes, Course Objectives and Course Outcomes are well defined and clear.	25	48	12	10	5	Excellent & good	73%
10	The rubrics for assessment is described clearly and there is adequate	21	50	15	9	5	Excellent & good	71%

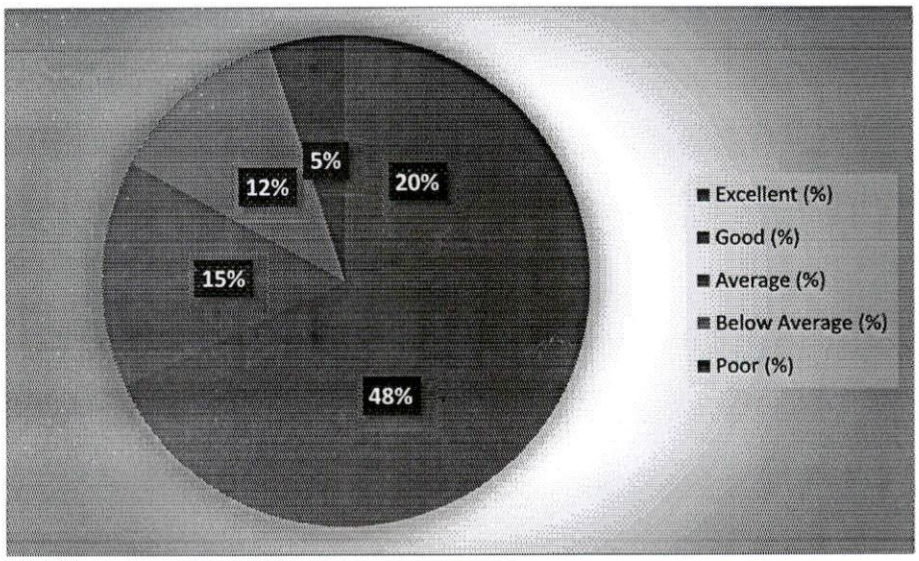
	weightage for Continuous Internal Evaluation and Semester End Examination.							

Graphical representation of Students feedback on curriculum

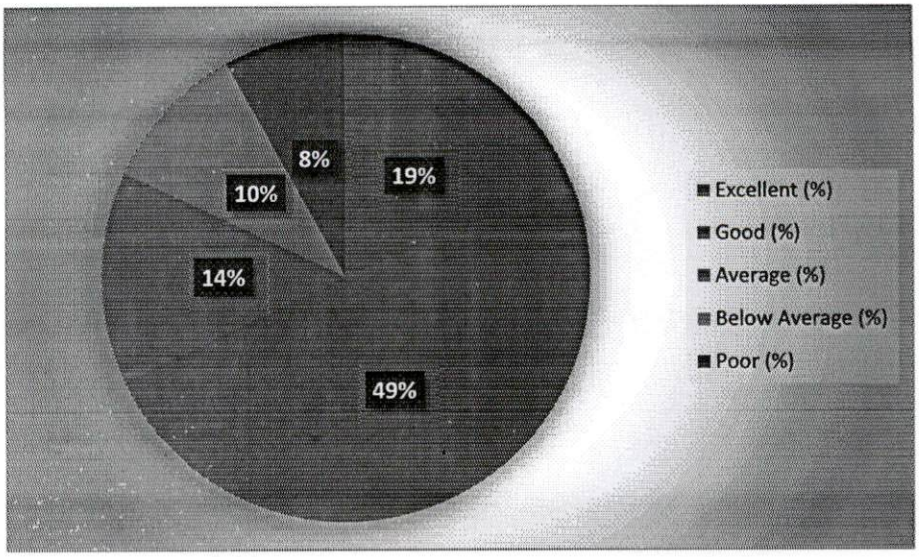
1. Curriculum is contemporary and need based



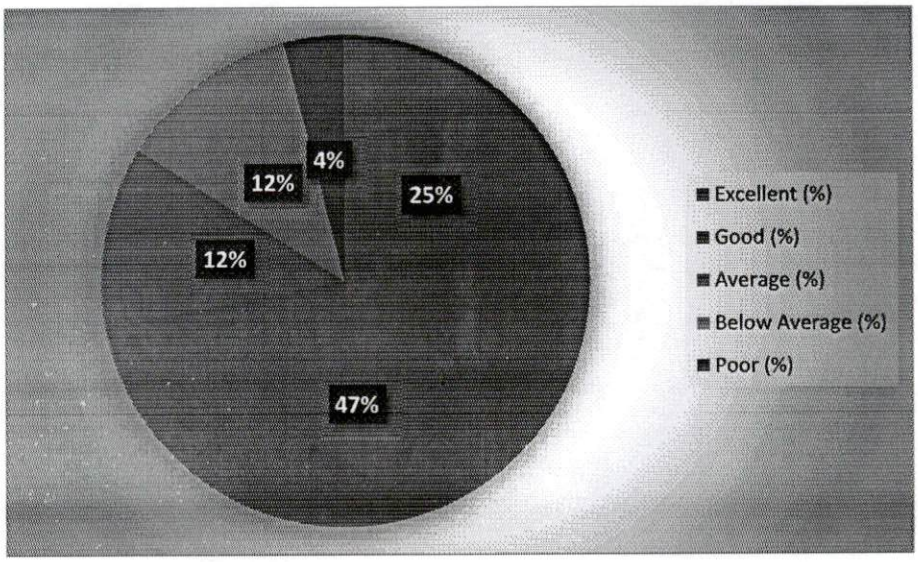
2. Curriculum has good balance of Theory and Practical courses.



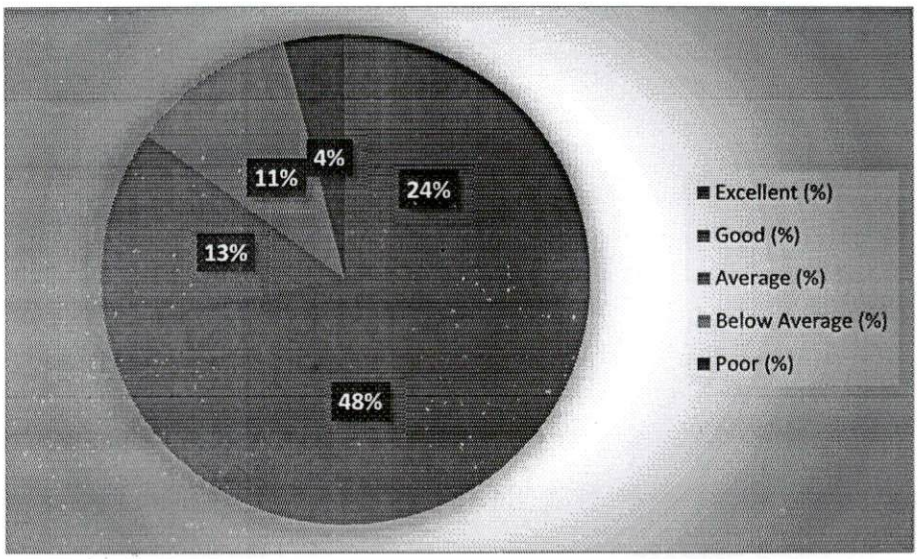
3. The curriculum has sufficient number of electives



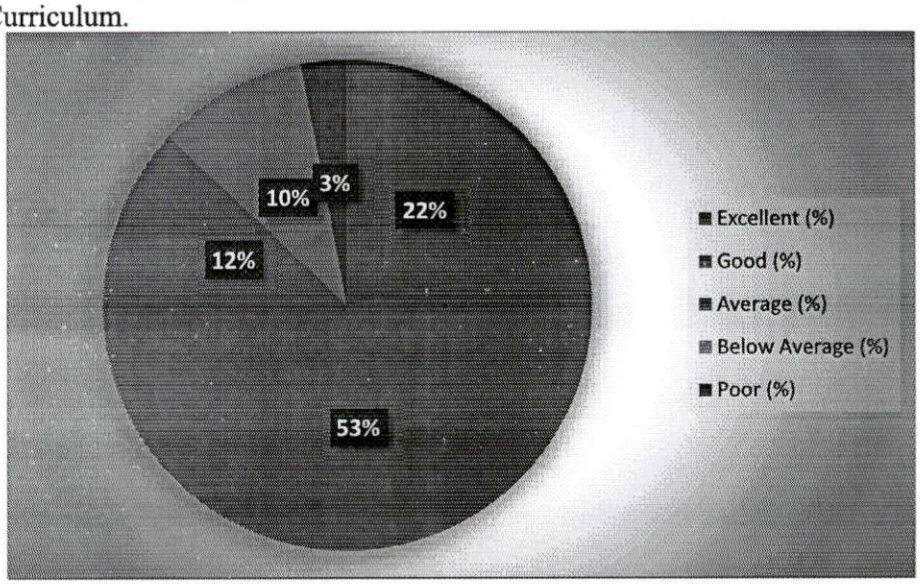
4. There is adequate emphasis on employability skills/ skill development/entrepreneurship in the curriculum.



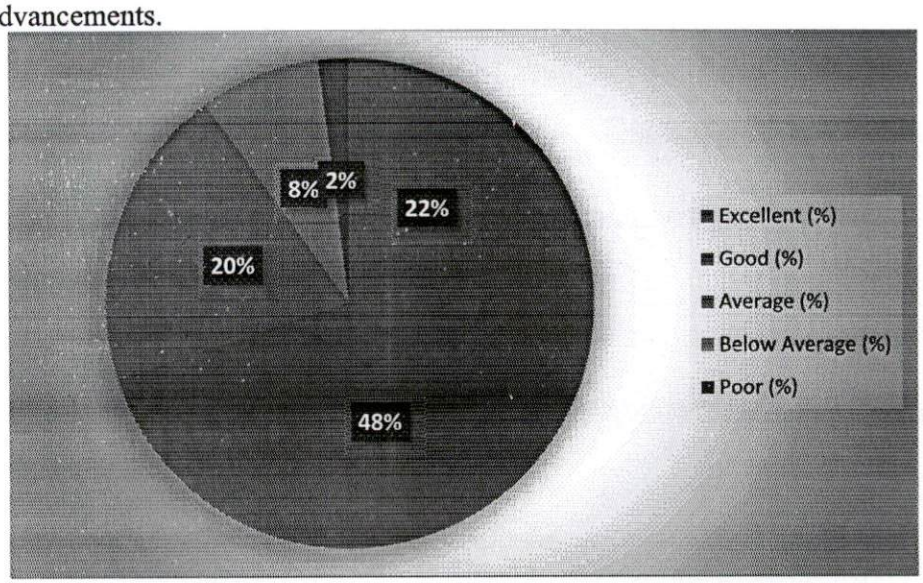
5. There is adequate emphasis on Communication Skills in the Curriculum.



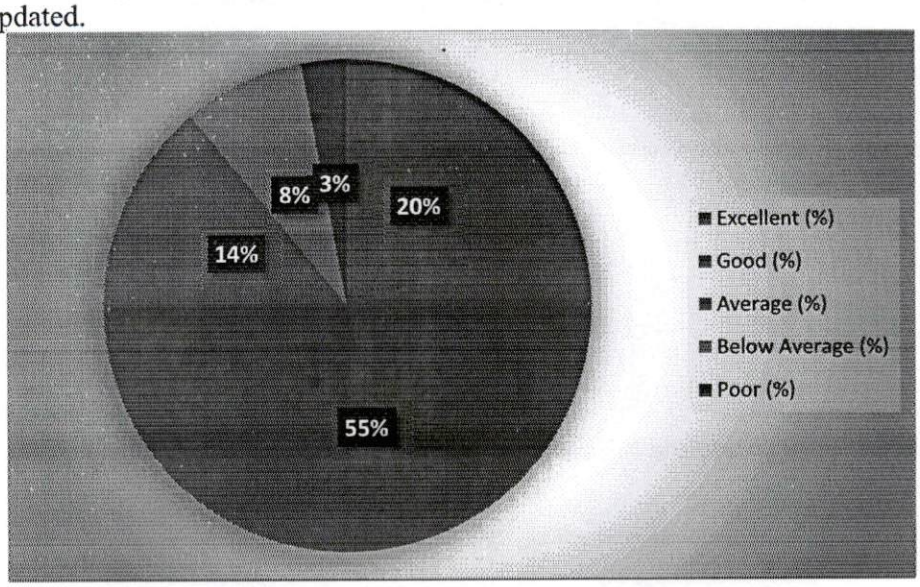
6. There is adequate emphasis on Human Values, ethics and Professionalism in the Curriculum.



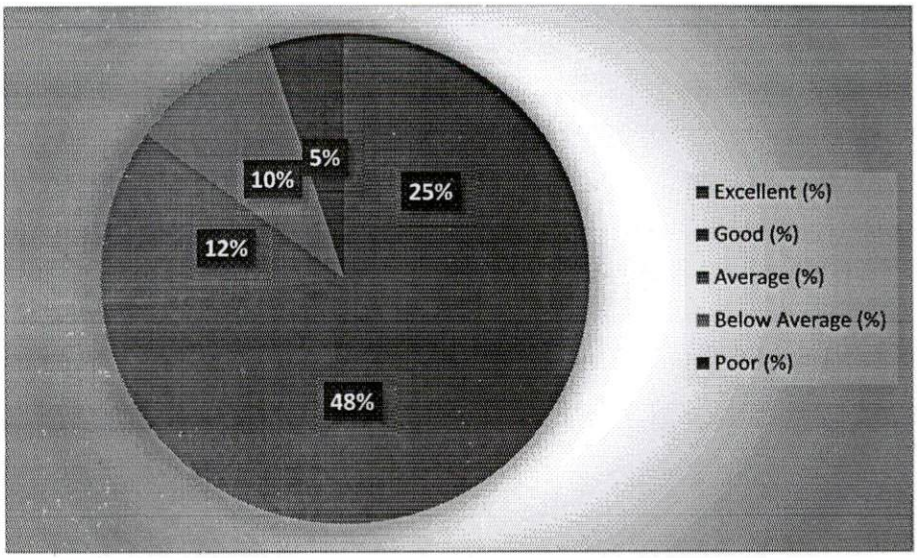
7. The electives offered in the curriculum suits the industry needs and technological advancements.



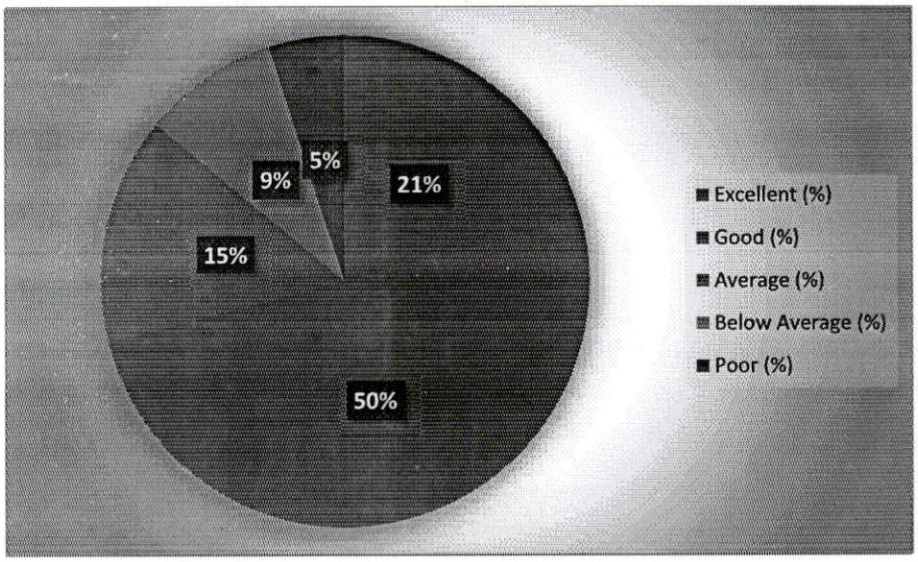
8. The books prescribed/listed as reference in curriculum are relevant, appropriate and updated.



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. Need more NPTEL courses for Agriculture Engineering branch.
2. Syllabus should be concise and more reference textbooks have to be provided.
3. Add some interactive & motivational class. It will help learn something every day.

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

1. Suggested to reduce the syllabus in FME-II.
2. Suggested to introduce self- study courses.
3. Suggested to give the priority for new edition text books.

Head of the Department

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