



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 Agricultural Engineering

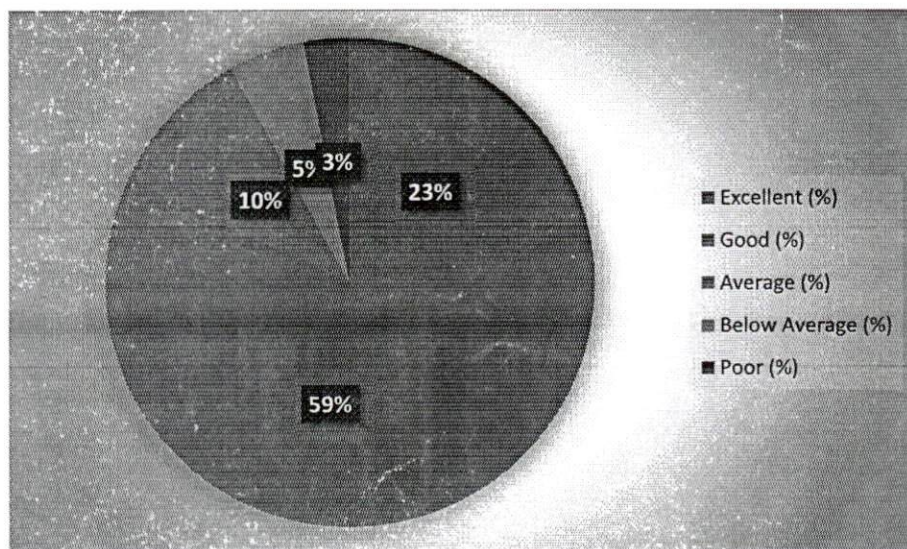
Employer Feedback on curriculum

Employer Feedback Analysis (2020-2021) for the B. Tech (Agricultural Engineering) Program.

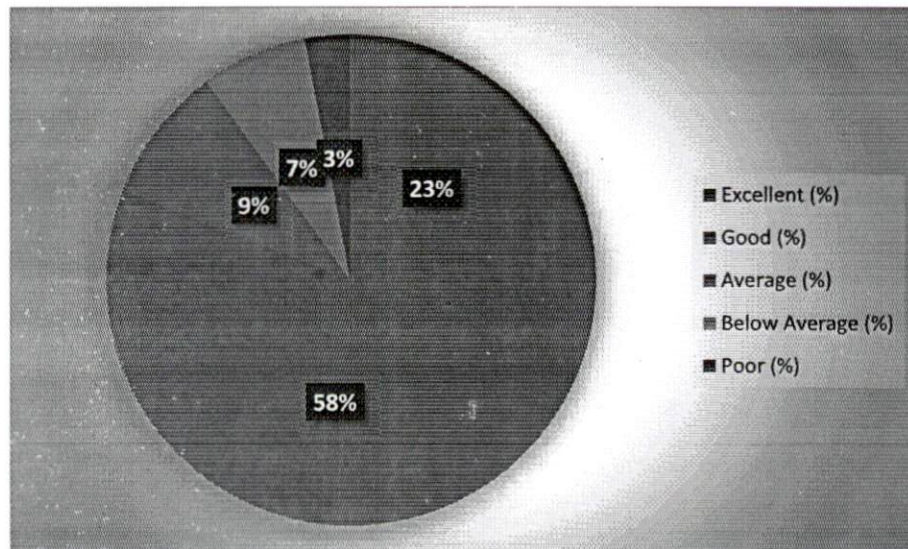
S. NO	Question related to Curriculum	Opinion of the Employer with percentage					Majority opinion	% of Majority Opinion
		Excellent (%)	Good (%)	Average (%)	Below Average (%)	Poor (%)		
1	Curriculum is contemporary and need based	23	59	10	5	3	Excellent & good	82%
2	There is adequate emphasis on employability skills/ skill development/entrepreneurship in the curriculum	23	58	9	7	3	Excellent & good	81%
3	The electives offered in the curriculum suits the industry needs and technological advancements.	24	56	10	8	2	Excellent & good	80%

Graphical representation of Employer feedback analysis

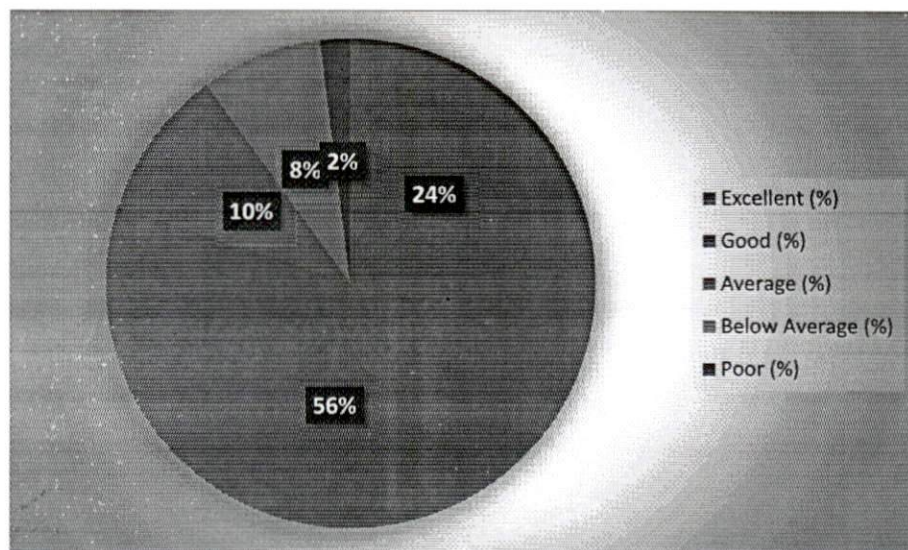
1. Curriculum is contemporary and need based



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. Add any programming languages in 4-1 for better readiness to the interviews.
2. Maximize MOOC's beyond their original stream
3. Add some new courses about new technologies of the sector.

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

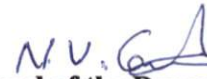
1. Practical approach towards a problem has to be developed among the students.
2. Communication skills and practical knowledge have to be inculcated.
3. Good knowledge on Programming languages has to be developed.

Any other suggestions on Curriculum

1. You can incorporate additional industrial visits.
2. Please encourage the students from their ideas and try to modify them.
3. Add some technical oriented chapters to the curriculum.

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

1. Suggested to include more Skill Oriented Courses for better employability.
2. Suggested to add Modified Penman Monteith Method in Evapotranspiration estimation methods in Irrigation and Drainage Engineering.
3. Suggested to add FSSAI standard codes for layout of Food Processing Plant in Food Processing Plant Design and Layout.


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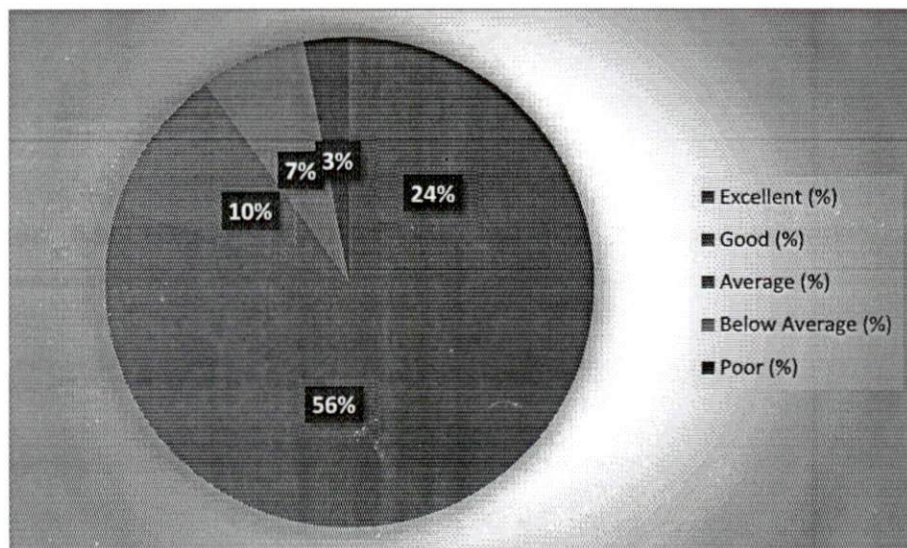
Alumni Feedback on curriculum

Alumni Feedback Analysis (2020- 2021) for the B. Tech (Agricultural Engineering) Program.

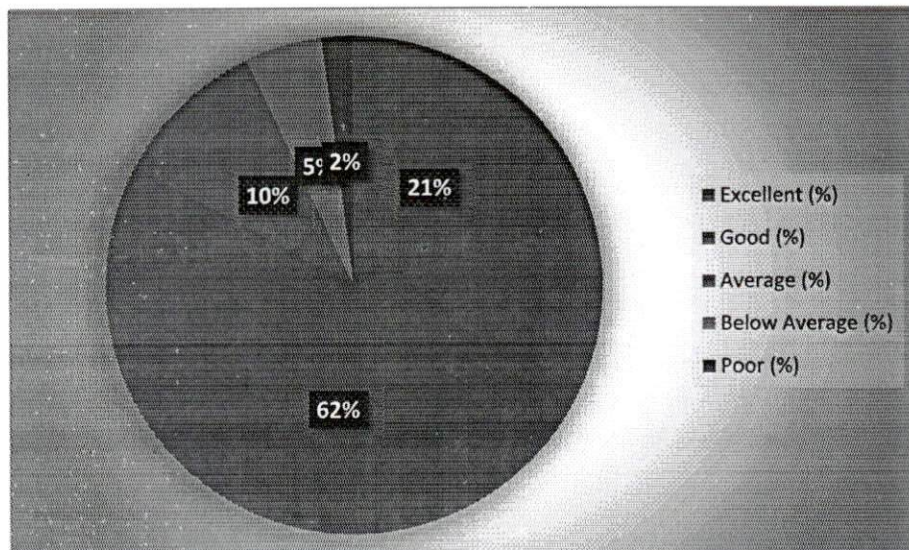
S. NO	Question related to Curriculum	Opinion of the alumni with percentage					Majority opinion	% of Majority Opinion
		Excellent (%)	Good (%)	Average (%)	Below Average (%)	Poor (%)		
1	Curriculum is contemporary and need based	24	56	10	7	3	Excellent & good	80%
2	There is adequate emphasis on employability skills/ skill development/entrepreneurship in the curriculum	21	62	8	6	3	Excellent & good	83%
3	The electives offered in the curriculum suits the industry needs and technological advancements.	23	59	10	6	2	Excellent & good	82%

Graphical representation of Alumni feedback analysis

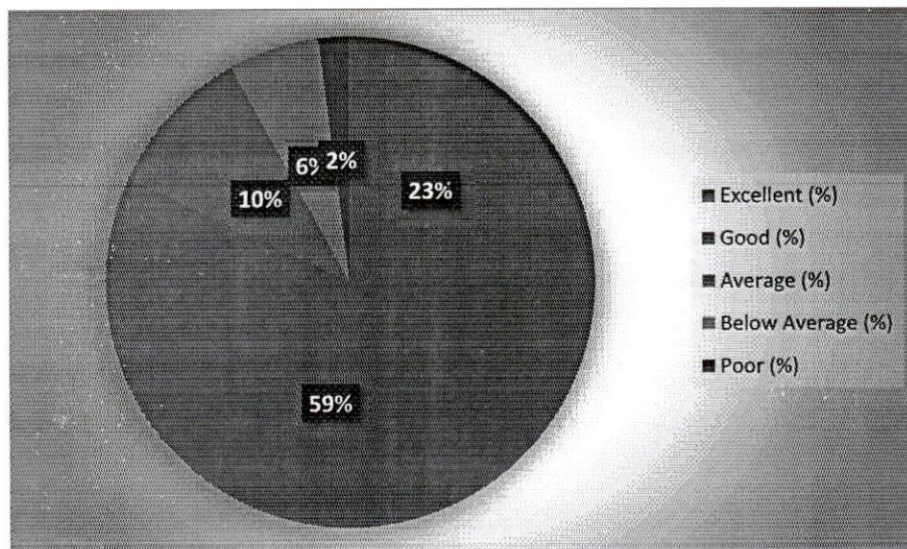
1. Curriculum is contemporary and need based



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. More Branch related courses have to be added.
2. Add courses on Agriculture related softwares.
3. Realtime technologies should be included rather than just providing textbook knowledge.

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

1. Students should undergo convenient internship for better understanding and field exposure.
2. Get new technologies for Job purposes to benefit students while attending placement interviews.
3. Make Soft Skills and Aptitude part of the curriculum in the II and III years itself.

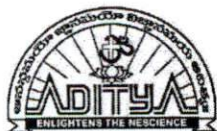
Give any other suggestions for improving the Curriculum

1. Teach a technology from basics concentrating on employable skills.
2. Design the curriculum to make the students industry ready right after completion of the B.Tech in core sector.
3. Make students to give presentation on the subjects that they have learned during the semester.

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

1. More exposure to field visits to gain practical knowledge.
2. Suggested to add FSSAI standards and regulations for dairy products topics in Dairy and Food Engineering.
3. Suggested to bring more core companies for Internships and placements.


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Teacher Feedback on curriculum

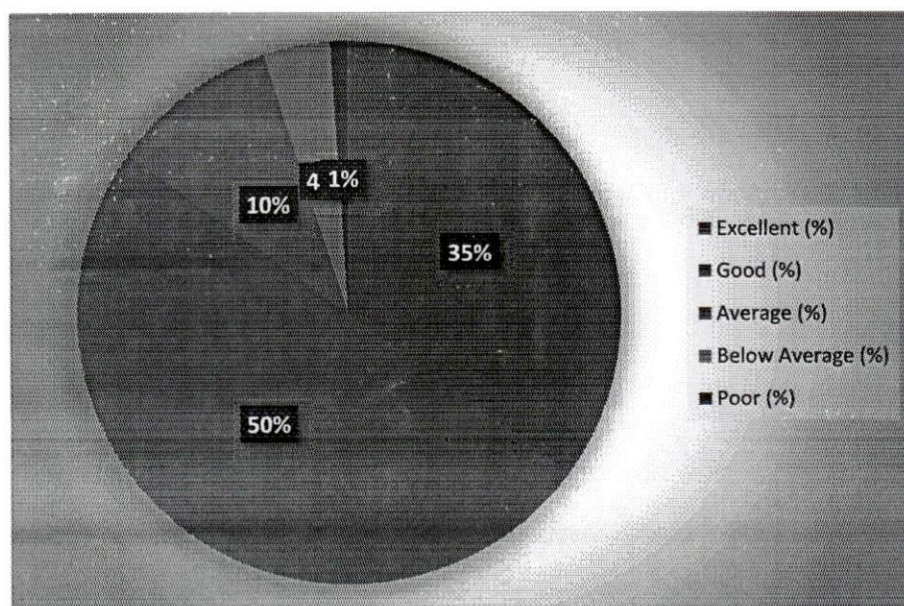
Teacher Feedback Analysis(2020- 2021) for the B. Tech (Agricultural Engineering) Program.

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	35	50	10	4	1	Excellent & good	85%
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	85%
3	Curriculum has good balance of Theory and Practical courses.	30	53	10	5	2	Excellent & good	83%
4	Faculty have the freedom to adopt new techniques for teaching like seminars, presentations, group discussions, flip class room etc.	30	58	7	4	1	Excellent & good	88%
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	80%
6	The students attain the PEOs, POs, PSOs and COs satisfactorily.	32	56	8	2	2	Excellent & good	88%
7	There is adequate emphasis on employability skills/skill development/entrepreneurship in the curriculum.	34	50	8	6	2	Excellent & good	84%
8	There is adequate emphasis on Communication Skills in the Curriculum	34	50	8	6	2	Excellent & good	84%

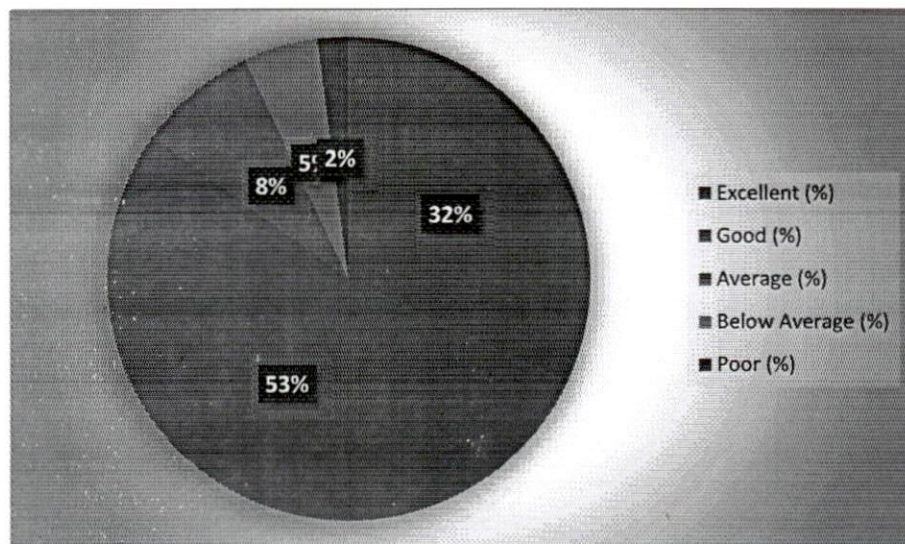
9	There is adequate emphasis on Human Values, ethics and Professionalism in the Curriculum.	31	54	7	5	3	Excellent & good	85%
10	The curriculum has sufficient number of electives.	32	53	8	5	2	Excellent & good	85%
11	The electives offered in the curriculum suits the industry needs and technological advancements.	32	53	8	5	2	Excellent & good	85%
12	The books prescribed/listed as reference in curriculum are relevant, appropriate and updated.	33	53	10	2	2	Excellent & good	86%
13	The rubrics for assessment is described clearly and there is adequate weightage for Continuous Internal Evaluation and Semester End Examination	33	55	8	3	1	Excellent & good	88%

Graphical representation of Teacher feedback on curriculum

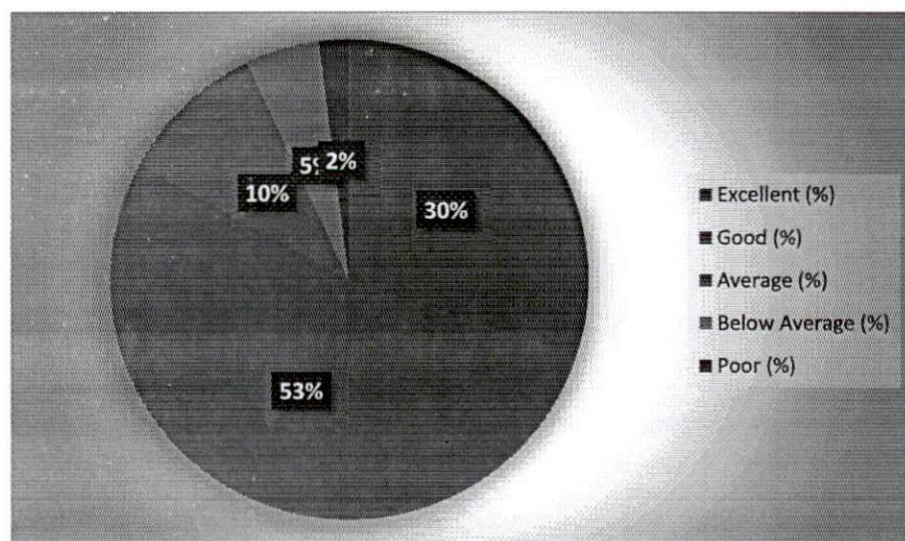
1. Curriculum is contemporary and need based



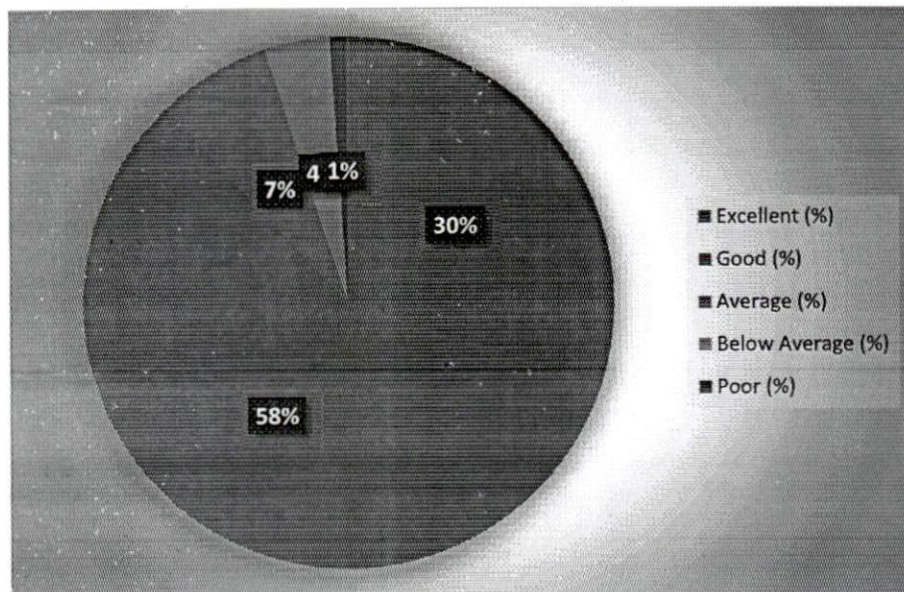
2. The Program Educational Objectives, Program outcomes, Program Specific Outcomes, Course Objectives and Course Outcomes are well defined and clear.



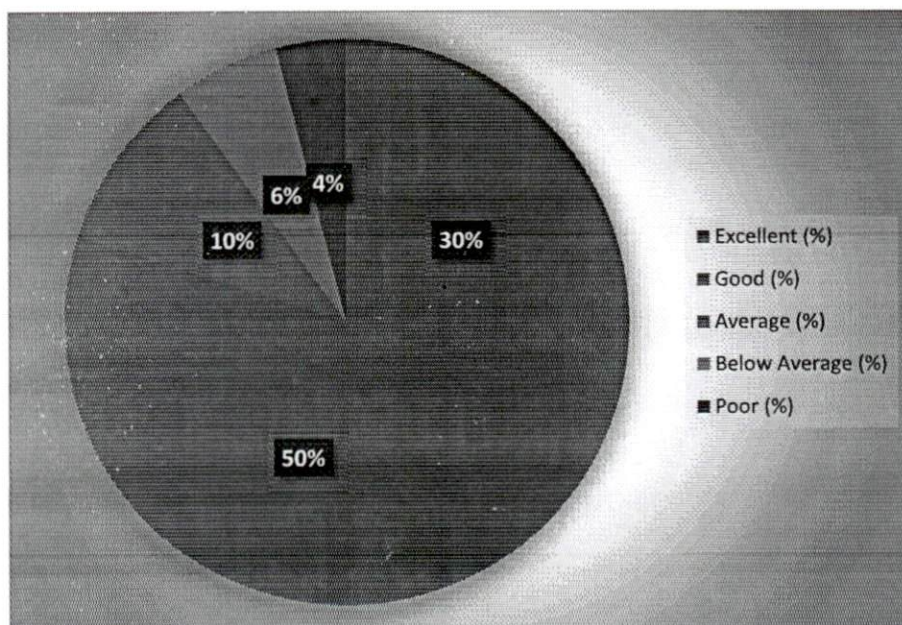
3. Curriculum has good balance of Theory and Practical courses.



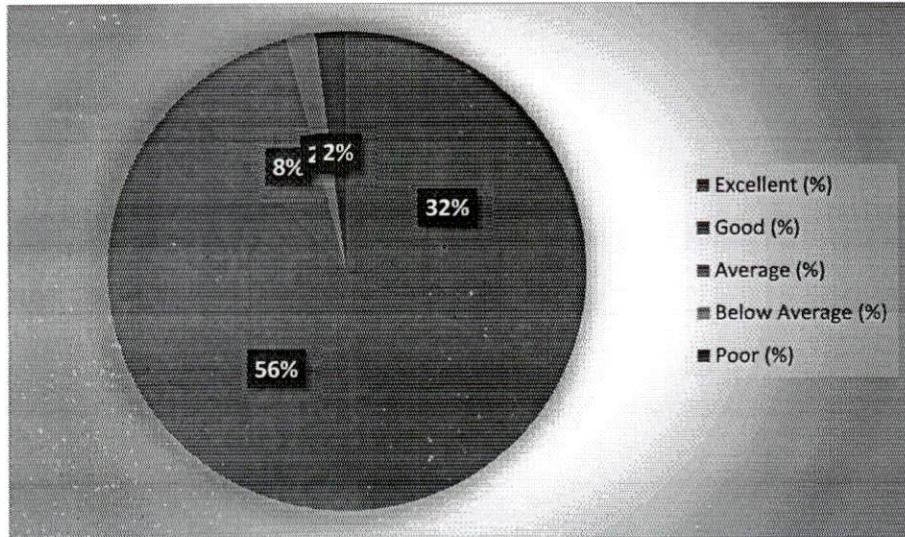
4. Faculty have the freedom to adopt new techniques for teaching like seminars, presentations, group discussions, flip class room etc.



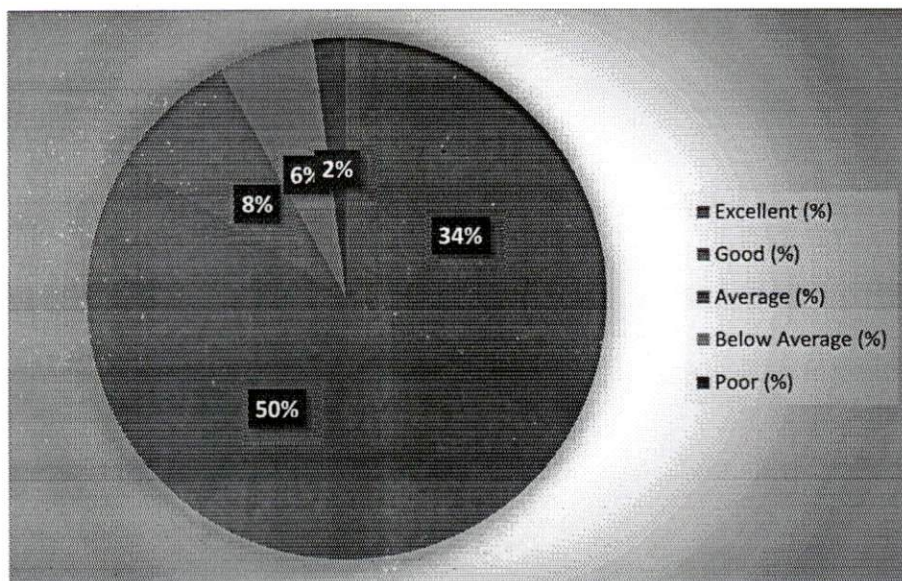
5. The hands on experience gained by the students through the laboratory courses is up to the expectations.



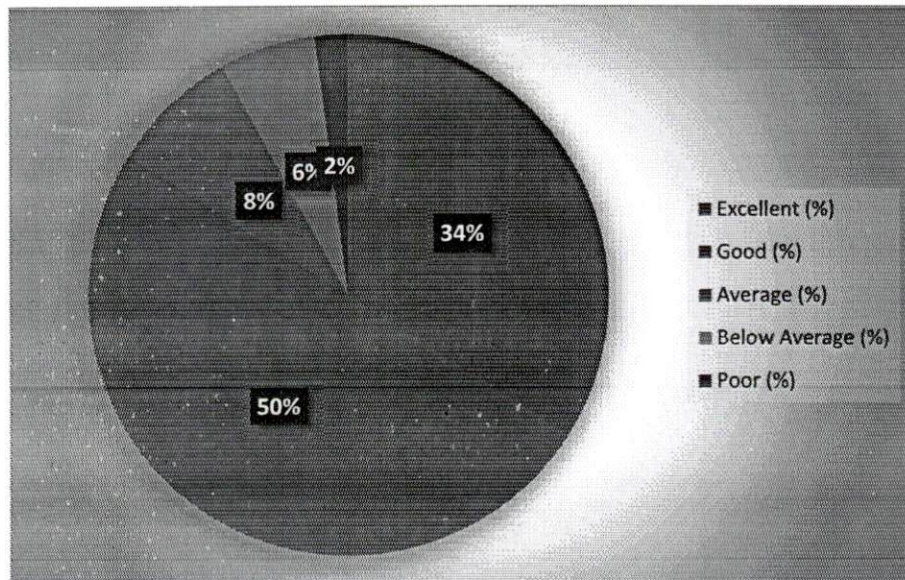
6. The students attain the PEOs, POs, PSOs and COs satisfactorily.



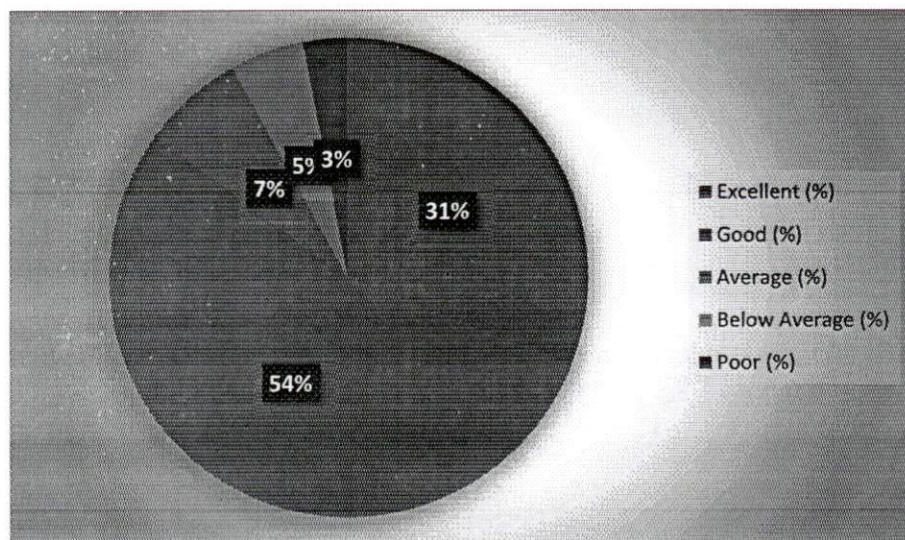
7. There is adequate emphasis on employability skills/ skill development/entrepreneurship in the curriculum.



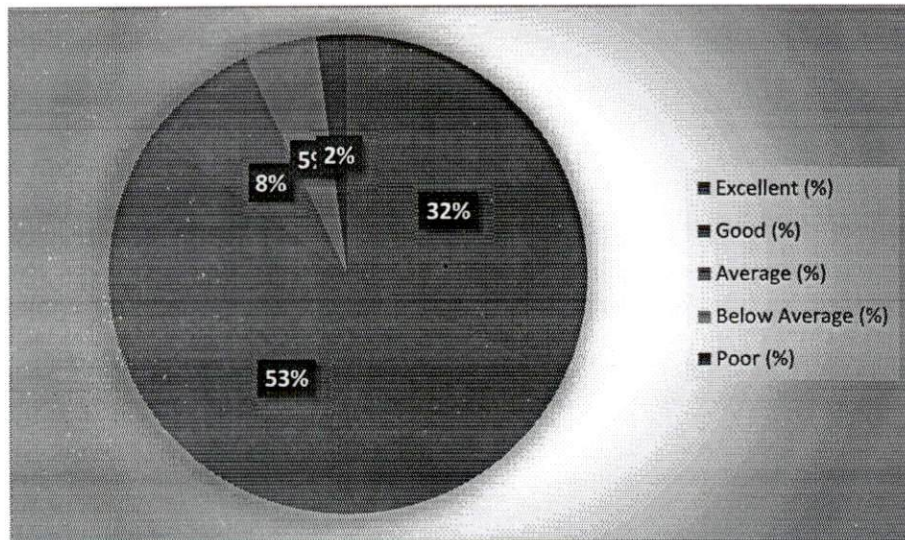
8. There is adequate emphasis on Communication Skills in the Curriculum.



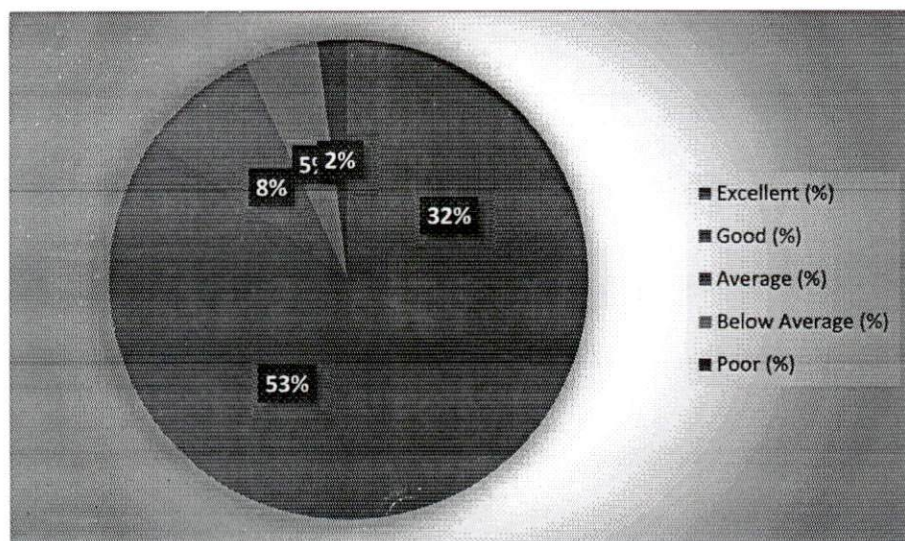
9. There is adequate emphasis on Human Values, ethics and Professionalism in the Curriculum.



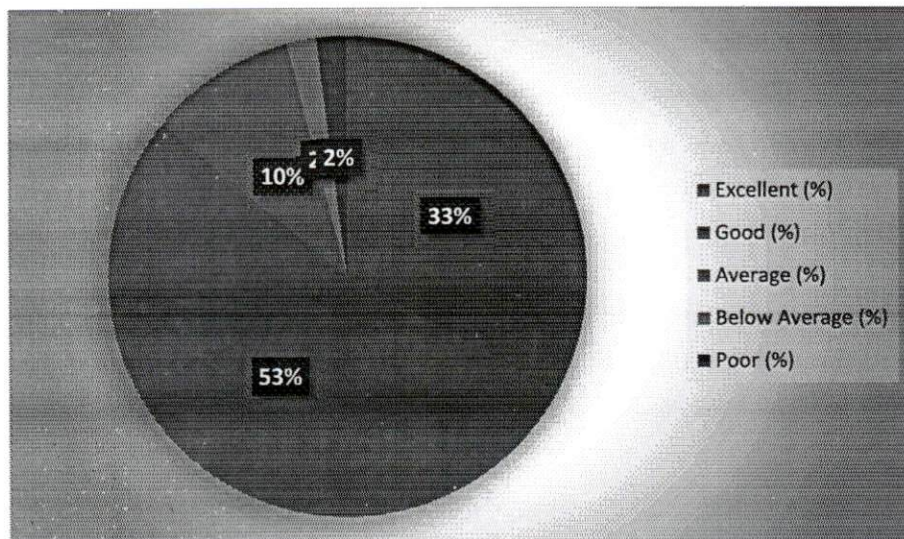
10. The curriculum has sufficient number of electives.



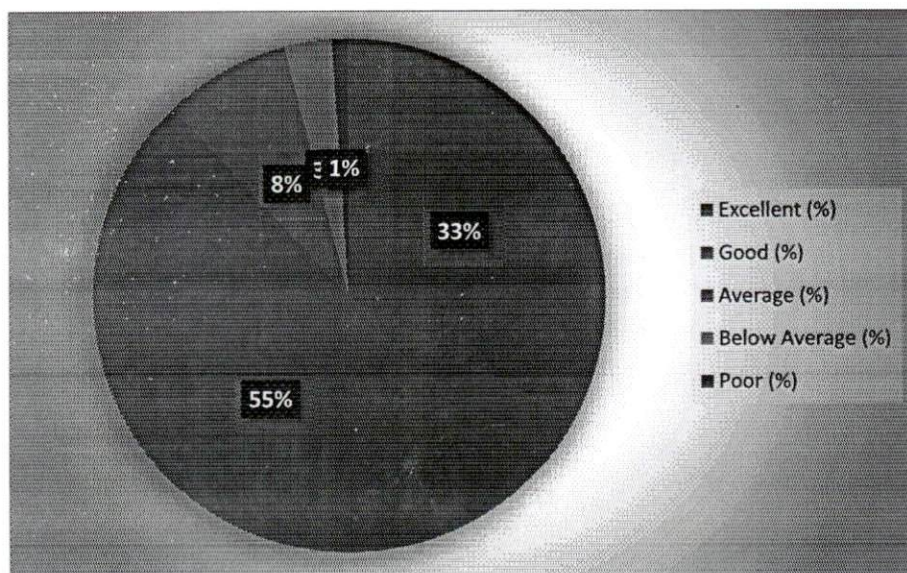
11. The electives offered in the curriculum suits the industry needs and technological advancements.



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.



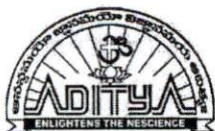
Give suggestions for improving the Curriculum

1. No. of internships and trainings have to be increased. Exposure to programming language is necessary.
2. Incorporation of Courses related to skill development and advanced courses will help the students to improve their knowledge and skills.
3. Curriculum is well framed. Students have exposure to industry and advance courses and software applications related to agriculture.

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

1. Suggested to add head loss calculation of the Sprinkler and Drip Irrigation System topics in Sprinkler and Micro Irrigation Systems.
2. For better understanding of Thermodynamics, Refrigeration and Air Conditioning subject, practical knowledge is required.
3. Suggested to add direct and indirect methods of stream flow measurements, Simple storm and complex storm and Unit hydrograph derivation in Watershed Hydrology.


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Student Feedback on curriculum

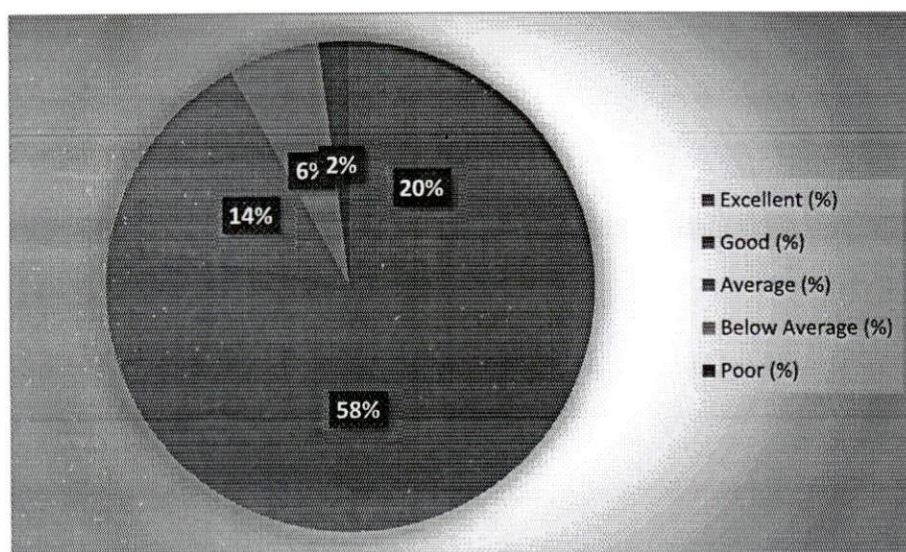
Student Feedback Analysis (2020- 2021) for the B. Tech (Agricultural Engineering) Program.

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	20	58	14	6	2	Excellent & good	78%
2	Curriculum has good balance of Theory and Practical courses	22	59	10	7	2	Excellent & good	81%
3	The curriculum has sufficient number of electives	18	62	12	6	2	Excellent & good	80%
4	There is adequate emphasis on employability skills / skill development/entrepreneurship in the curriculum.	20	62	10	6	2	Excellent & good	82%
5	There is adequate emphasis on Communication Skills in the Curriculum.	20	60	12	6	2	Excellent & good	80%
6	There is adequate emphasis on Human Values, ethics and Professionalism in the Curriculum.	22	60	11	5	2	Excellent & good	82%
7	The electives offered in the curriculum suits the industry needs and technological advancements.	22	58	14	4	2	Excellent & good	80%
8	The books prescribed/listed as reference in curriculum are relevant, appropriate and updated.	25	58	10	5	2	Excellent & good	83%
9	The Program Educational Objectives, Program outcomes, Program Specific Outcomes, Course Objectives and Course Outcomes are well defined and clear.	25	58	8	6	3	Excellent & good	83%

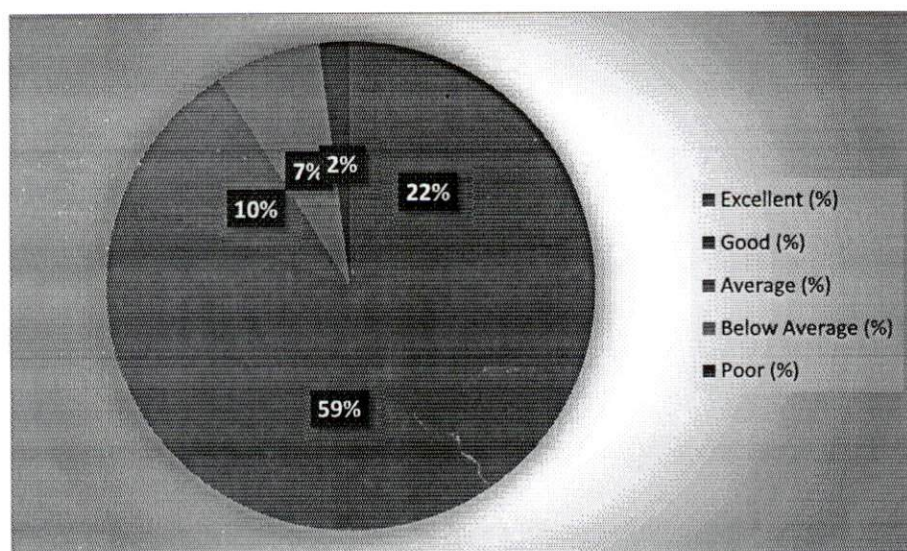
10	The rubrics for assessment is described clearly and there is adequate weightage for Continuous Internal Evaluation and Semester End Examination.	22	58	14	4	2	Excellent & good	80%
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Graphical representation of Students feedback on curriculum

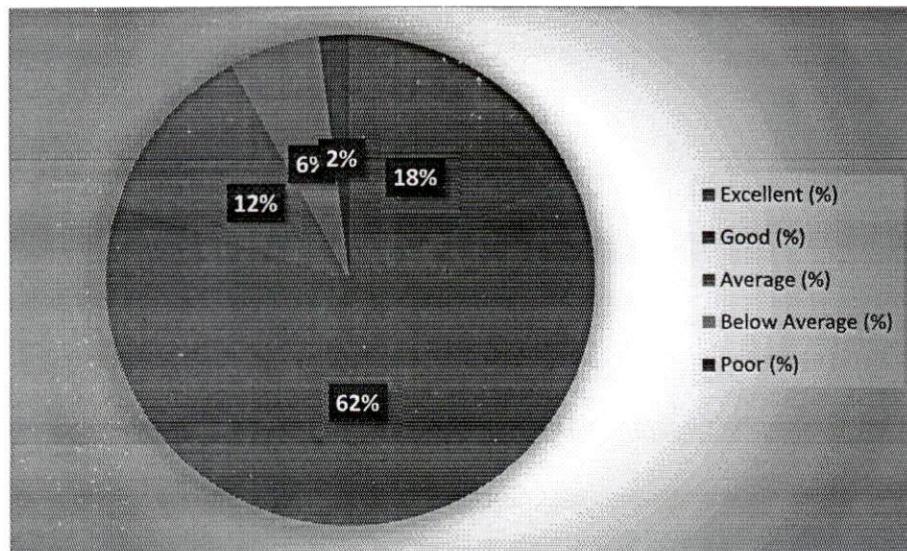
1. Curriculum is contemporary and need based



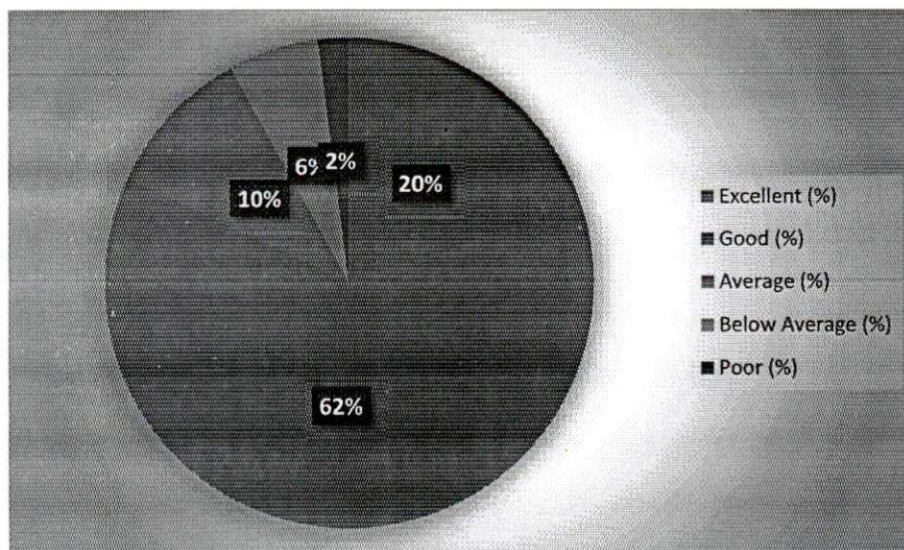
2. Curriculum has good balance of Theory and Practical courses.



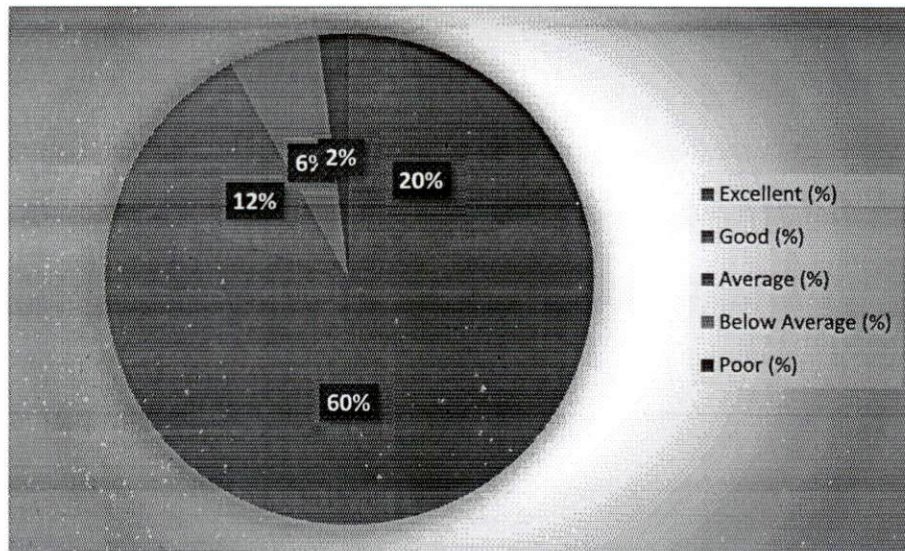
3. The curriculum has sufficient number of electives



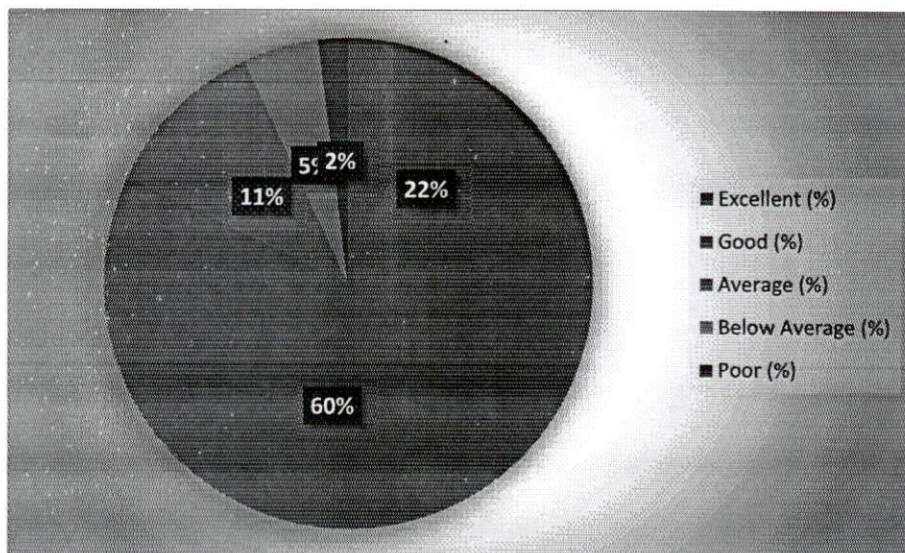
4. There is adequate emphasis on employability skills/ skill development/entrepreneurship in the curriculum.



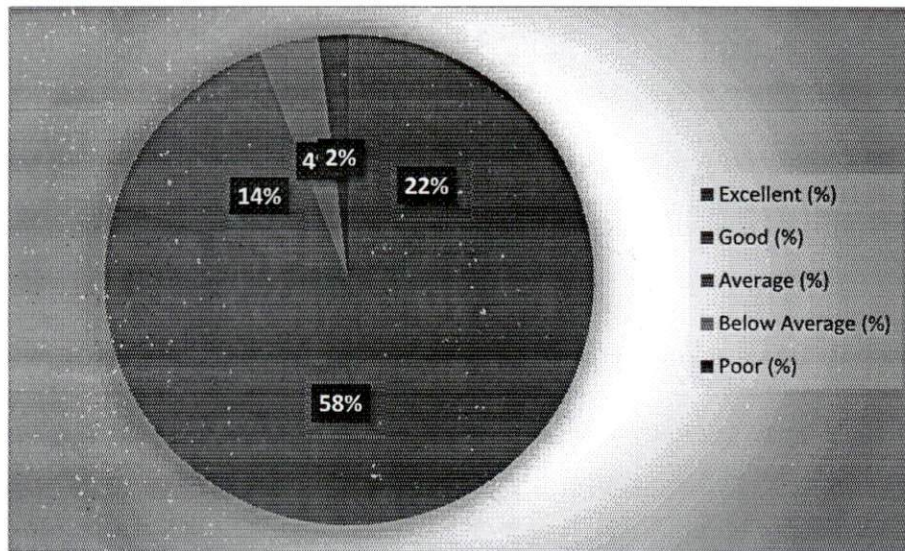
5. There is adequate emphasis on Communication Skills in the Curriculum.



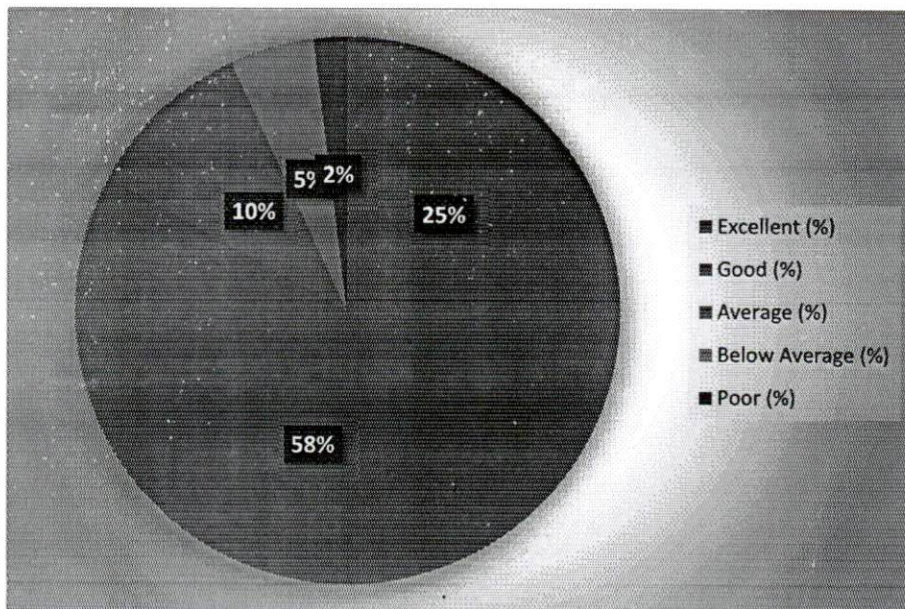
6. There is adequate emphasis on Human Values, ethics and Professionalism in the Curriculum.



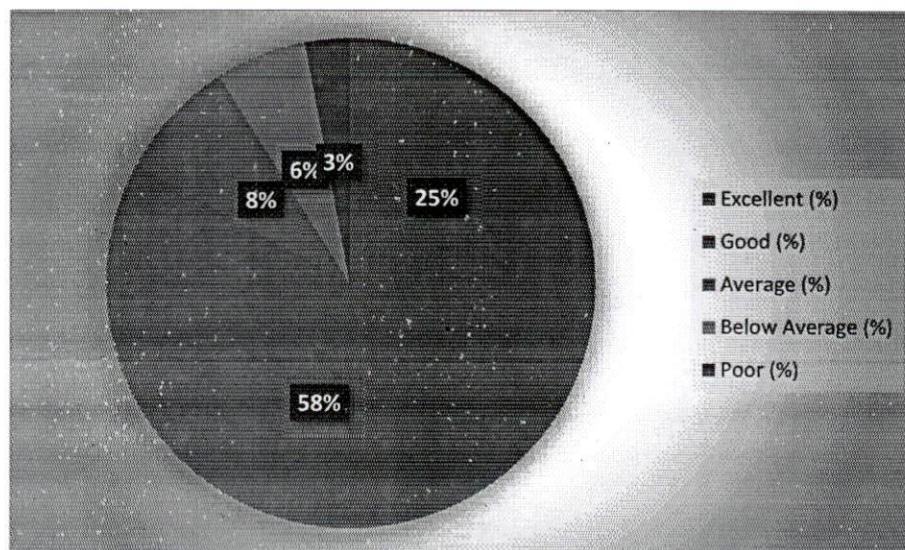
7. The electives offered in the curriculum suits the industry needs and technological advancements.



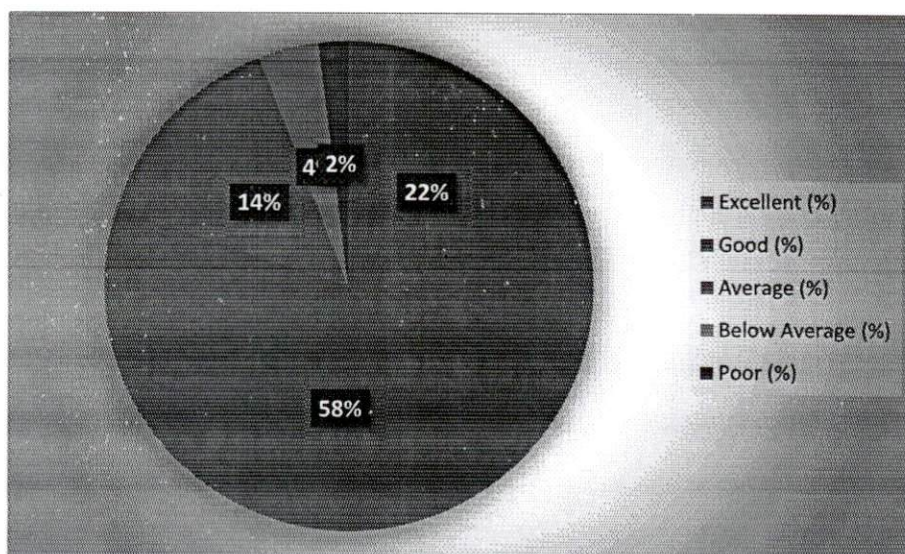
8. The books prescribed/listed as reference in curriculum are relevant, appropriate and updated.



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. Better to include more courses related to latest technologies and grant access to reputed journals.
2. Syllabus should be more concise and also more industrial visits have to be provided.
3. Interaction sessions with field experts would be beneficial to students.

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

1. Suggested to modify some topics in Irrigation and Drainage Engineering.
2. Suggested free access to online journals.
3. Suggested to arrange some guest lectures with industry experts.


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