ADITYA ENGINEERING COLLEGE
An Autonomous Institution
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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 CIVIL ENGINEERING

Alumni Feedback on curriculum

Alumni Feedback Analysis **(2020- 2021)** for the **B. Tech (Civil 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	52	14	2	2	Excellent & good	82%
2	There is adequate emphasis on employability skills/ skill development/entrepreneurship in the curriculum	26	53	16	3	2	Excellent & good	79%
3	The electives offered in the curriculum suits the industry needs and technological advancements.	30	53	13	2	2	Excellent & good	83%

Graphical representation of Alumni feedback analysis
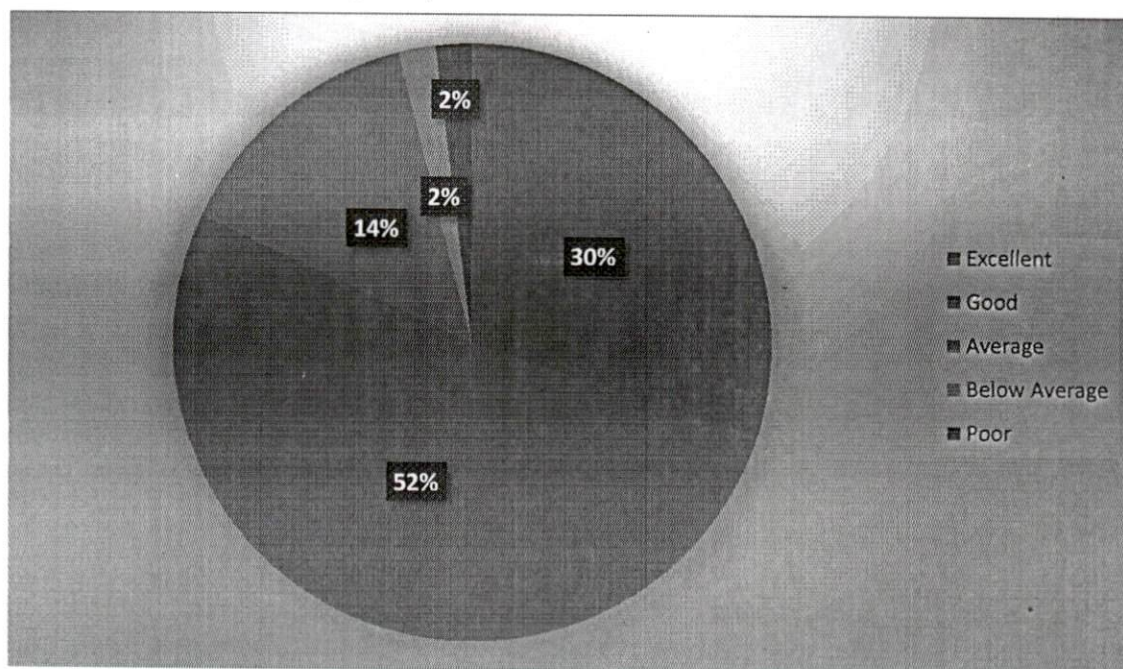
### 1. Curriculum is contemporary and need based

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

- 3%
- 2%
- 16%
- 26%
- 53%

Legend:
- Excellent
- Good
- Average
- Below Average
- Poor

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

- 2%
- 2%
- 13%
- 30%
- 53%

Legend:
- Excellent
- Good
- Average
- Below Average
- Poor
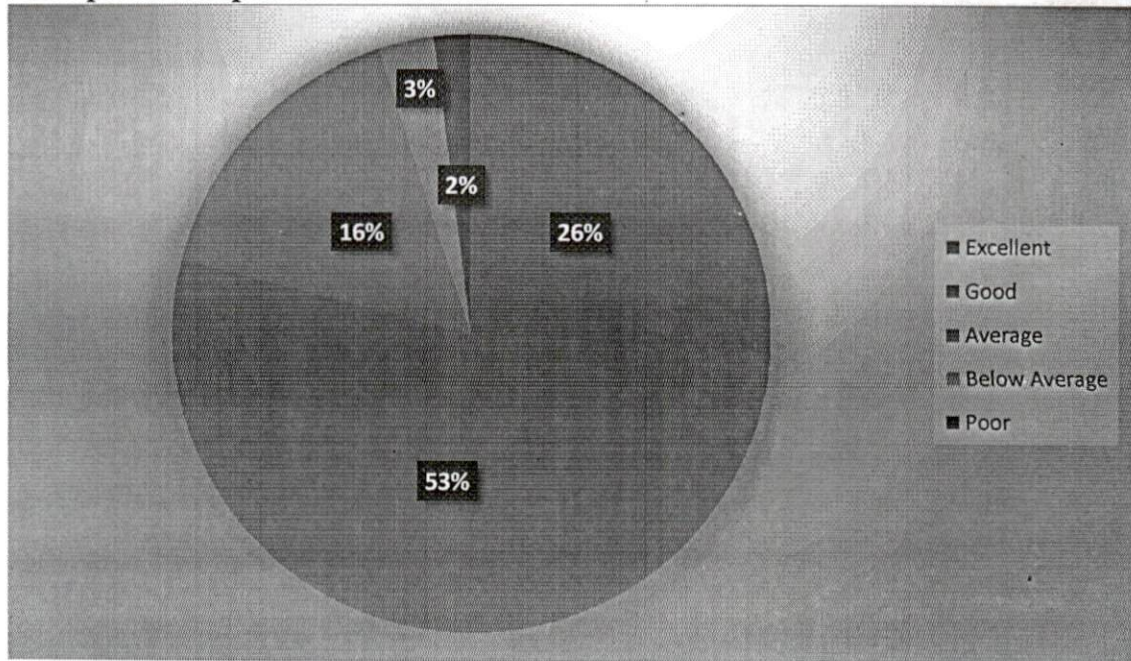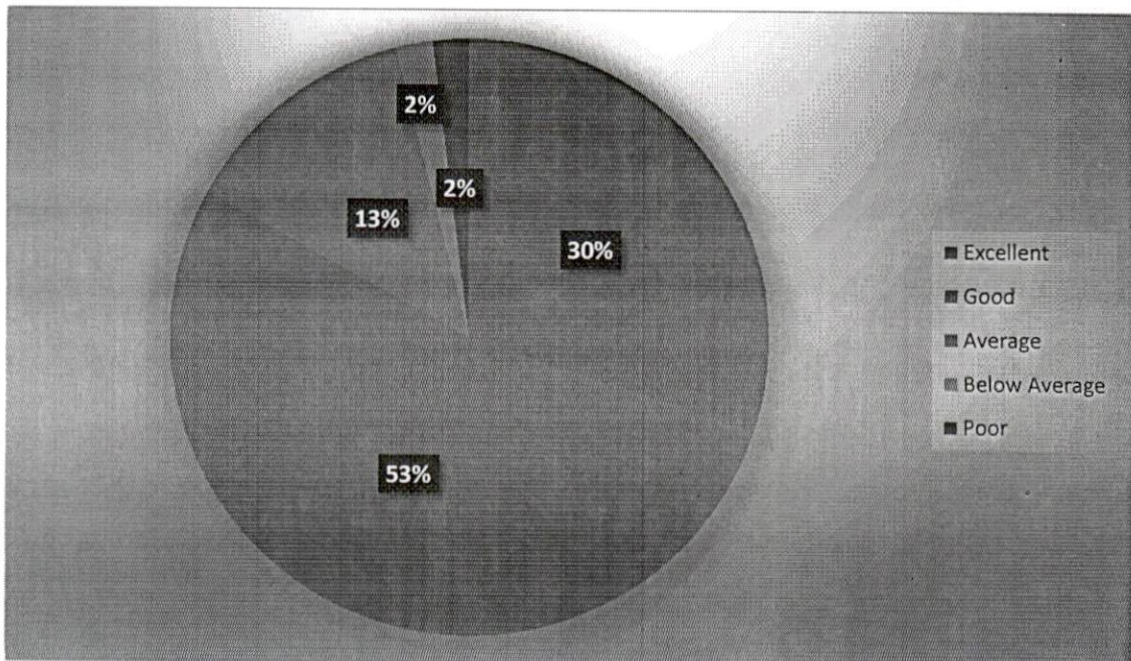
Suggest any courses to be added to /removed from the curriculum

1. Need to add more practical sessions on present day technology and multidisciplinary courses need to be added, course should be updated time to time,

2. It is preferable to include some software-related courses that will aid in research or higher education.

3. Technical courses such as TEKLA, Revit, and Primavera etc. must be added

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

1. Conduct a programme in such a way that technical skills can be improved.

2. Latest courses need to be added like AI, machine learning etc.

3. Better to Add GATE Class's in Curriculum.

Give any other suggestions for improving the Curriculum

1. Please add more practical sessions in every course work and most importantly don't demotivate people

2. Better to introduce advanced subjects and add more elective subjects.

3. Better to include IT related courses in the curriculum.

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

1. Inclusion of minor degrees and honour courses

2. It is preferable to offer GATE classes after college hours or during summer vacation.

3. Introduced software for steel structure design, such as TEKLA.

Head of the Department

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## DEPARTMENT OF CIVIL ENGINEERING

Teacher Feedback on curriculum

Teacher Feedback Analysis **(2020- 2021)** for the B. Tech **(Civil Engineering)** program.

S. NO	Question related to Curriculum	Opinion of the Faculty with percentage					Majority opinion	% of Majority Opinion
		Excellent (%)	Good (%)	Average (%)	Below Average (%)	Poor (%)		
1	Curriculum is contemporary and need based	29	52	14	2	3	Excellent & good	81%
2	The Program Educational Objectives, Program outcomes, Program Specific Outcomes, Course Objectives and Course Outcomes are well defined and clear.	33	49	13	3	2	Excellent & good	82%
3	Curriculum has good balance of Theory and Practical courses.	28	51	17	2	2	Excellent & good	79%
4	Faculty have the freedom to adopt new techniques for teaching like seminars, presentations, group discussions, flip class room etc.	31	49	15	2	3	Excellent & good	80%
5	The hands on experience gained by the students through the laboratory courses is up to the expectations.	29	53	15	2	1	Excellent & good	82%
6	The students attain the PEOs, POs, PSOs and COs satisfactorily.	32	49	16	2	1	Excellent & good	81%
7	There is adequate emphasis on employability skills/ skill development/entrepreneurship in the curriculum.	28	54	14	2	2	Excellent & good	82%
8	There is adequate emphasis on Communication Skills in the Curriculum	34	49	12	1	4	Excellent & good	83%
9	There is adequate emphasis on Human Values, ethics and Professionalism in the Curriculum.	31	48	16	3	2	Excellent & good	79%
10	The curriculum has sufficient number of electives.	33	49	14	2	2	Excellent & good	82%

|								
11	The electives offered in the curriculum suits the industry needs and technological advancements.	34	49	13	1	3	Excellent & good	83%
12	The books prescribed/listed as reference in curriculum are relevant, appropriate and updated.	34	47	14	3	2	Excellent & good	81%
13	The rubrics for assessment is described clearly and there is adequate weightage for Continuous Internal Evaluation and Semester End Examination	28	52	14	2	4	Excellent & good	80%

Graphical representation of Teacher feedback on curriculum
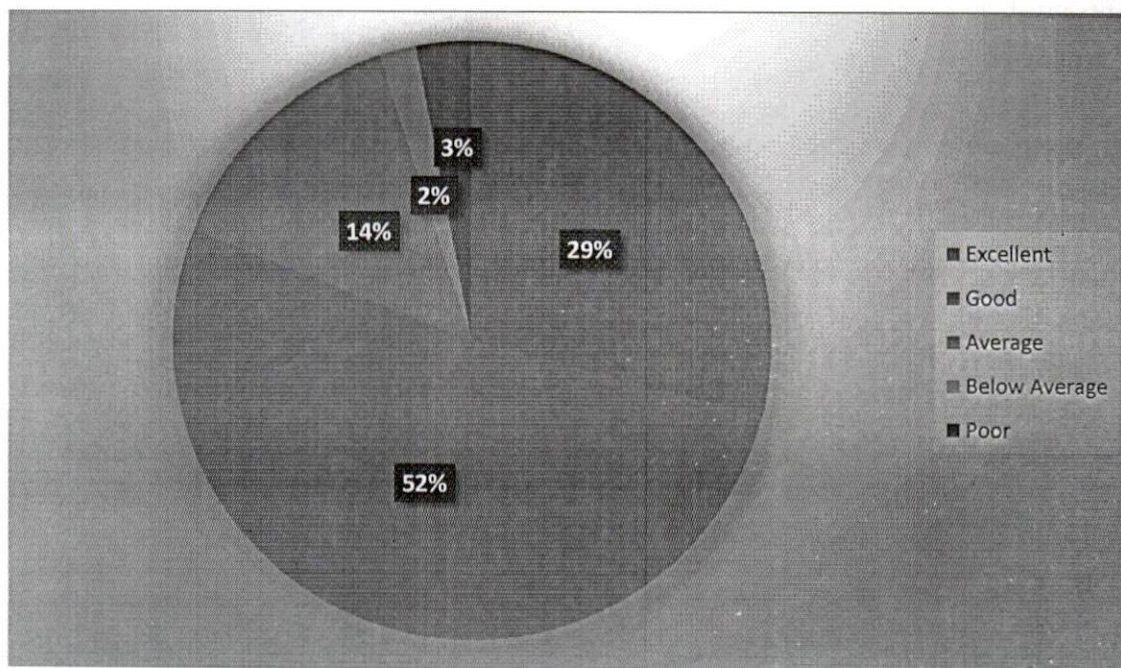
1. Curriculum is contemporary and need based

2. The Program Educational Objectives, Program outcomes, Program Specific Outcomes, Course Objectives and Course Outcomes are well defined and clear.
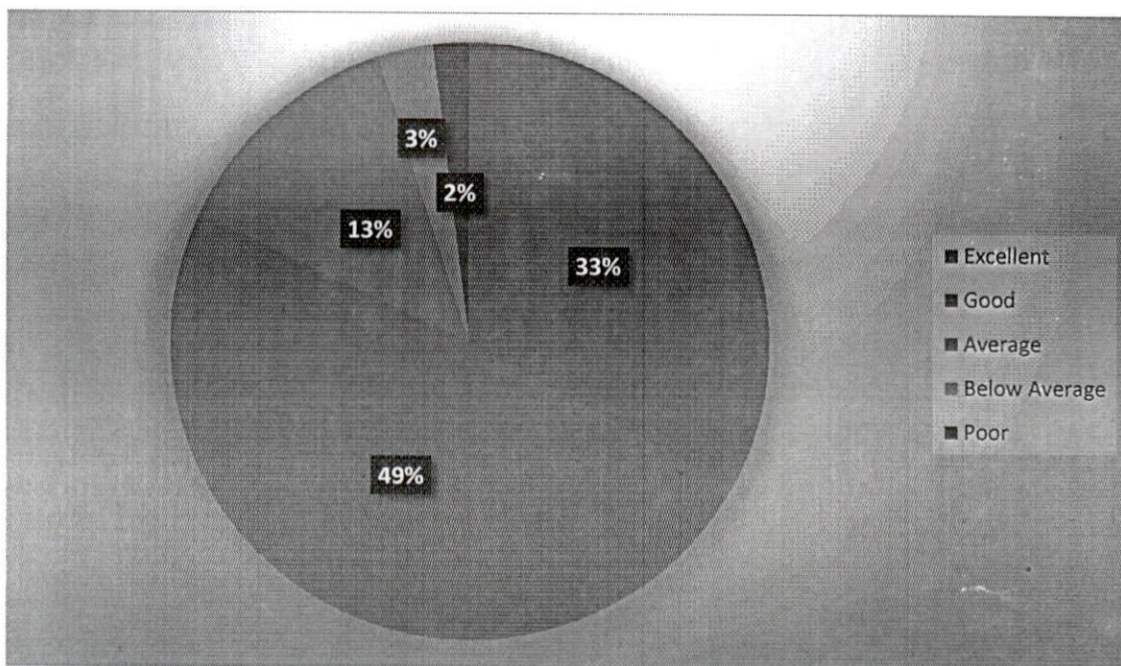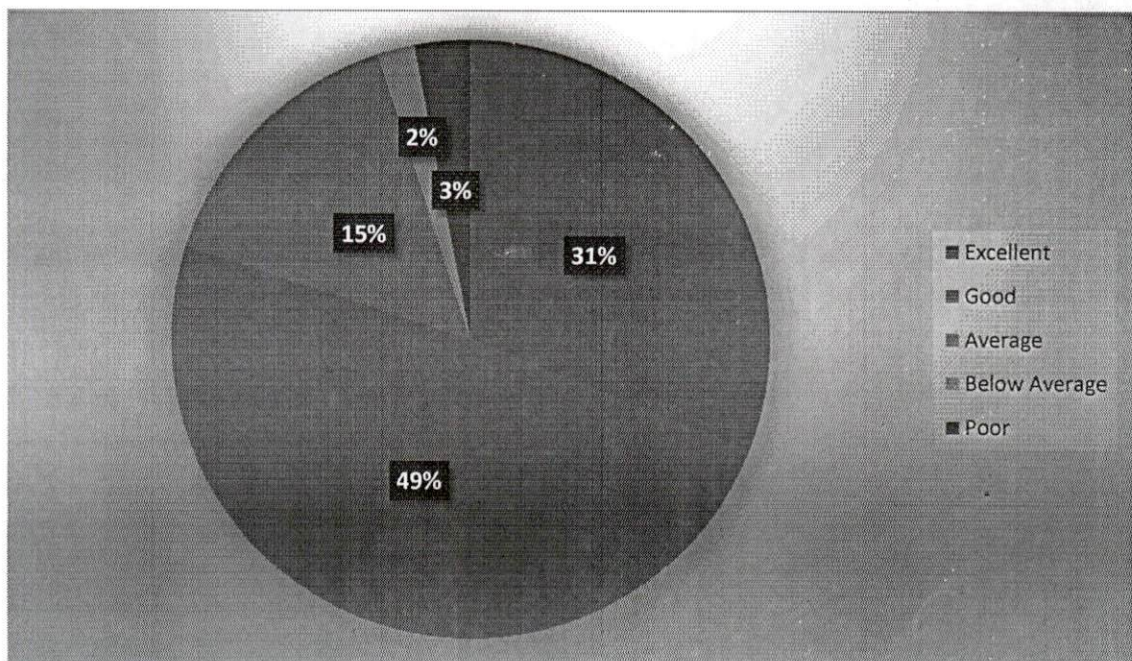
3. **Curriculum has good balance of Theory and Practical courses.**
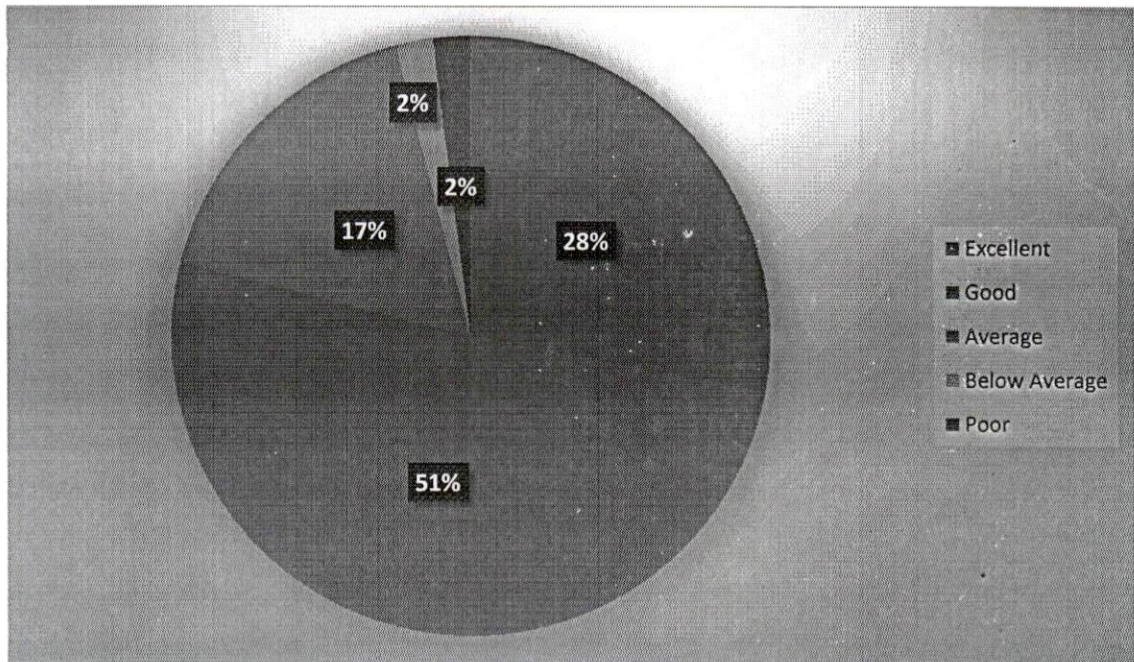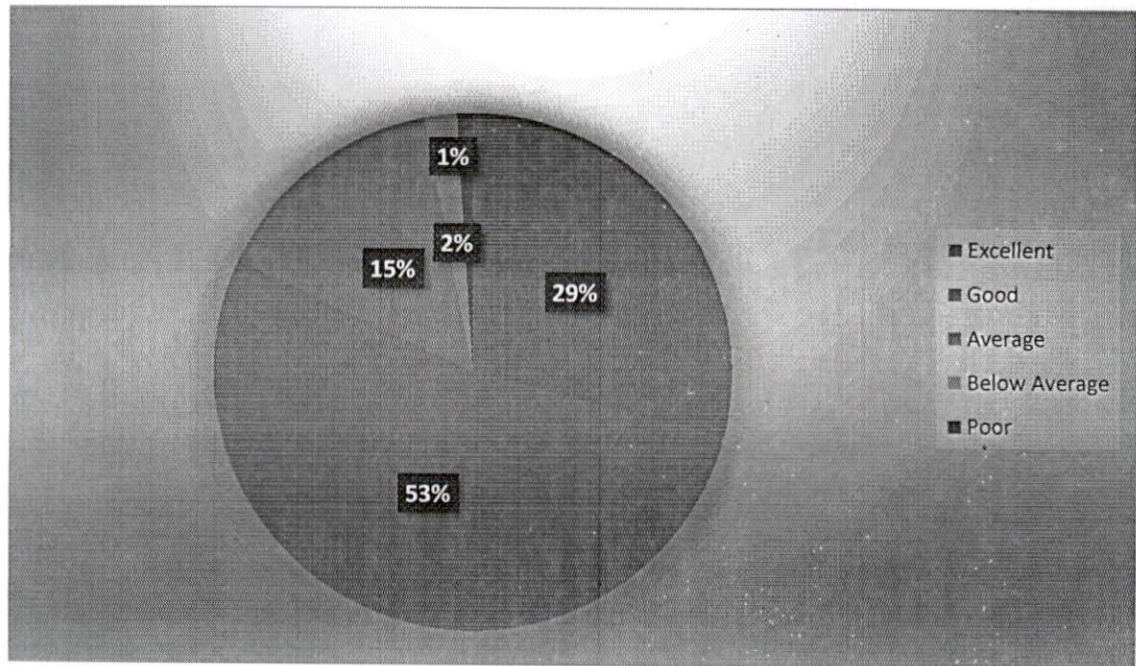

4. **Faculty have the freedom to adopt new techniques for teaching like seminars, presentations, group discussions, flip class room etc.**
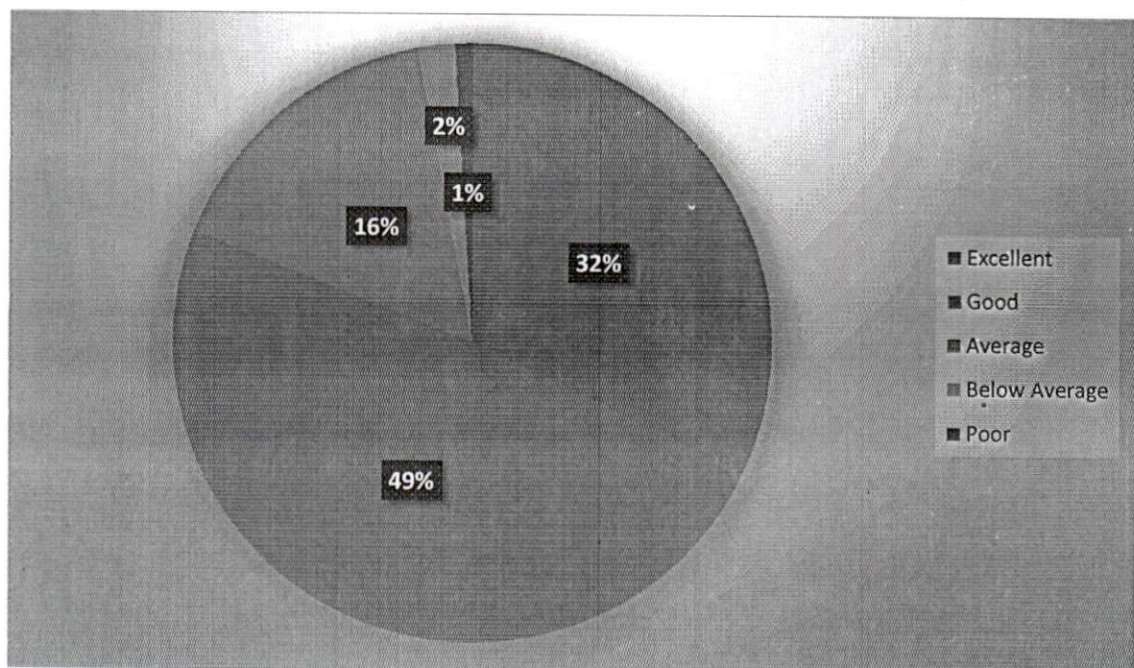
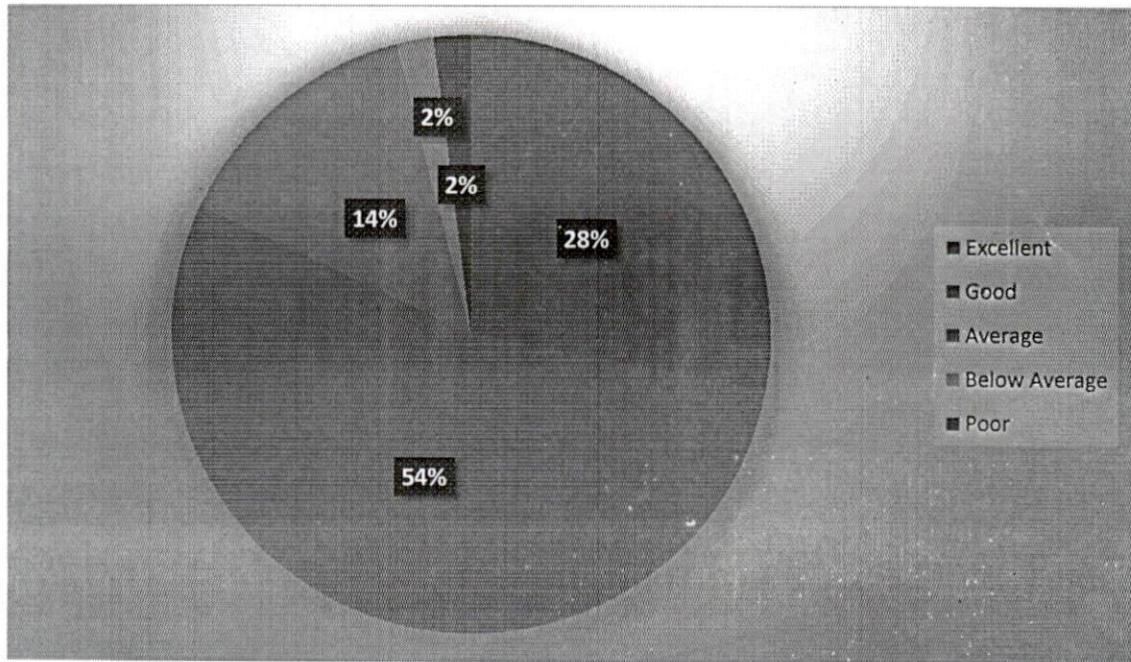5. The hands on experience gained by the students through the laboratory courses is up to the expectations.

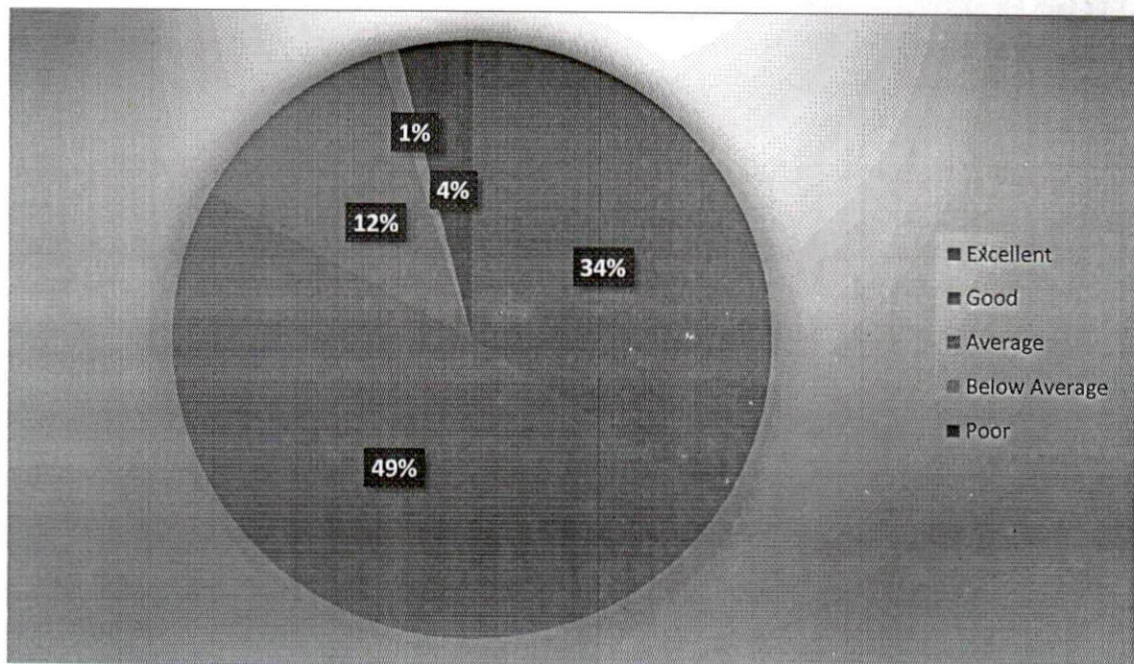6. The students attain the PEOs, POs, PSOs and COs satisfactorily.

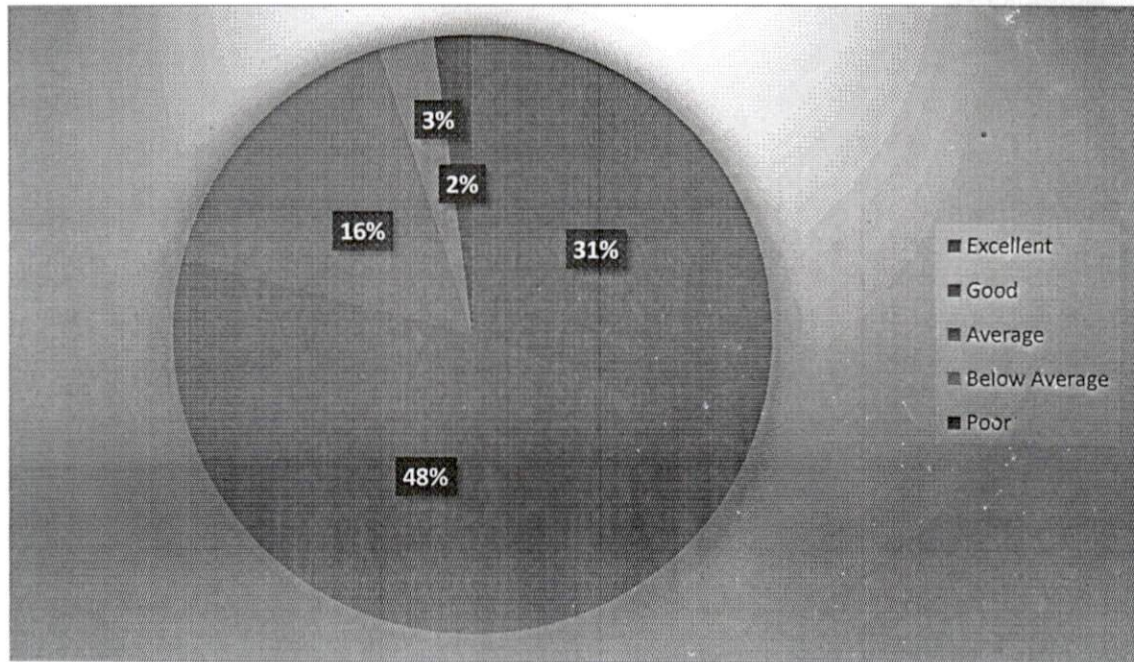7. **There is adequate emphasis on employability skills/ skill development/entrepreneurship in the curriculum.**

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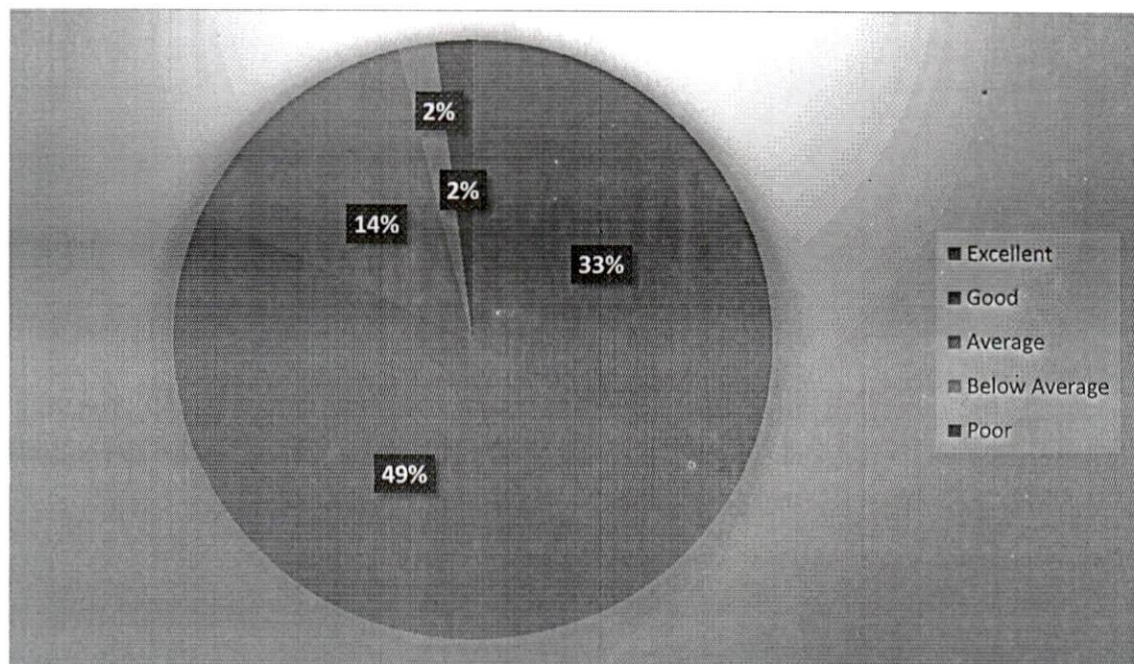
9. **There is adequate emphasis on Human Values, ethics and Professionalism in the Curriculum.**
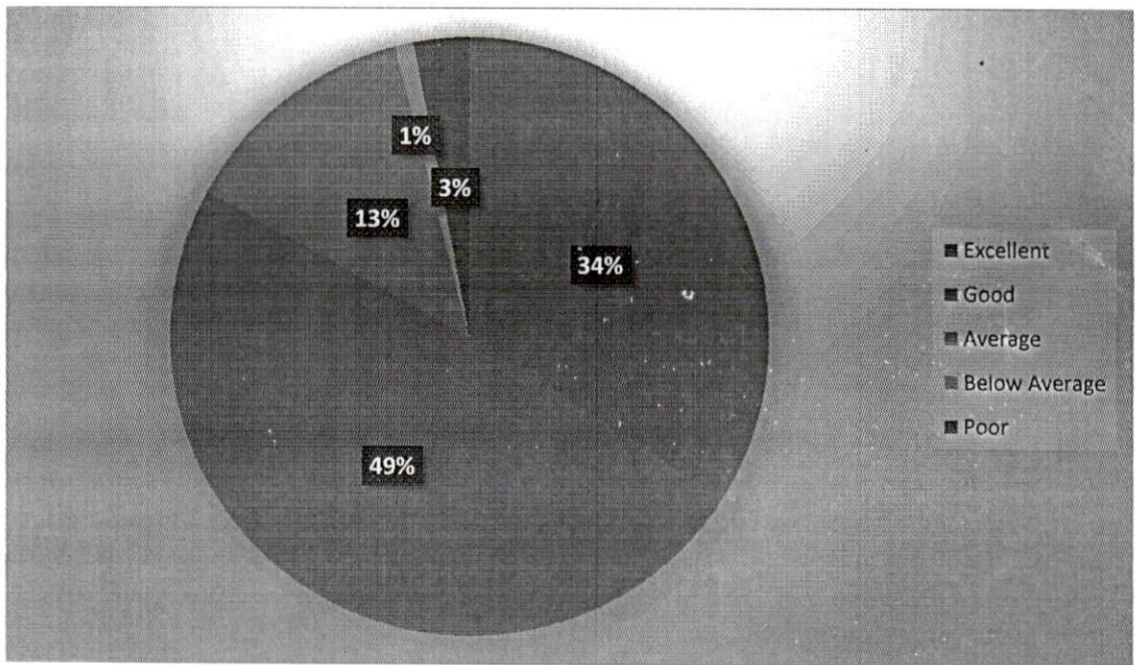

Legend:
- Excellent
- Good
- Average
- Below Average
- Poor

3%
2%
16%
31%
48%

10. **The curriculum has sufficient number of electives.**

Legend:
- Excellent
- Good
- Average
- Below Average
- Poor

2%
2%
14%
33%
49%

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

Legend: Excellent, Good, Average, Below Average, Poor

Values: 1%, 3%, 13%, 34%, 49%

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

Legend: Excellent, Good, Average, Below Average, Poor

Values: 3%, 2%, 14%, 34%, 47%
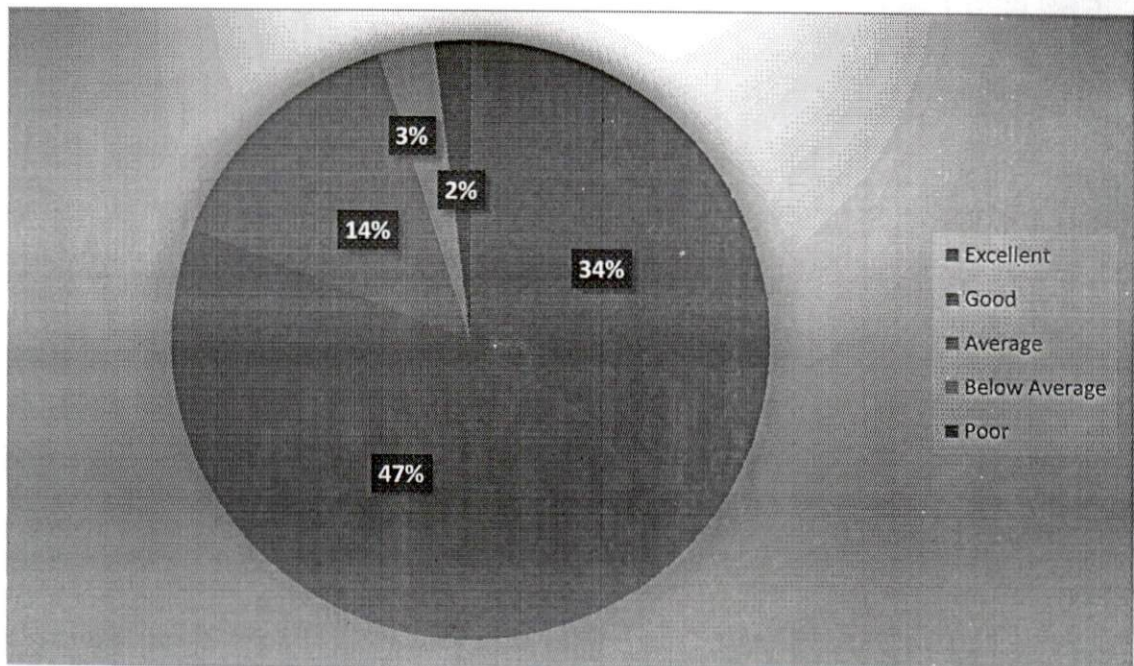
13. The rubrics for assessment is described clearly and there is adequate weightage for Continuous Internal Evaluation and Semester End Examination.
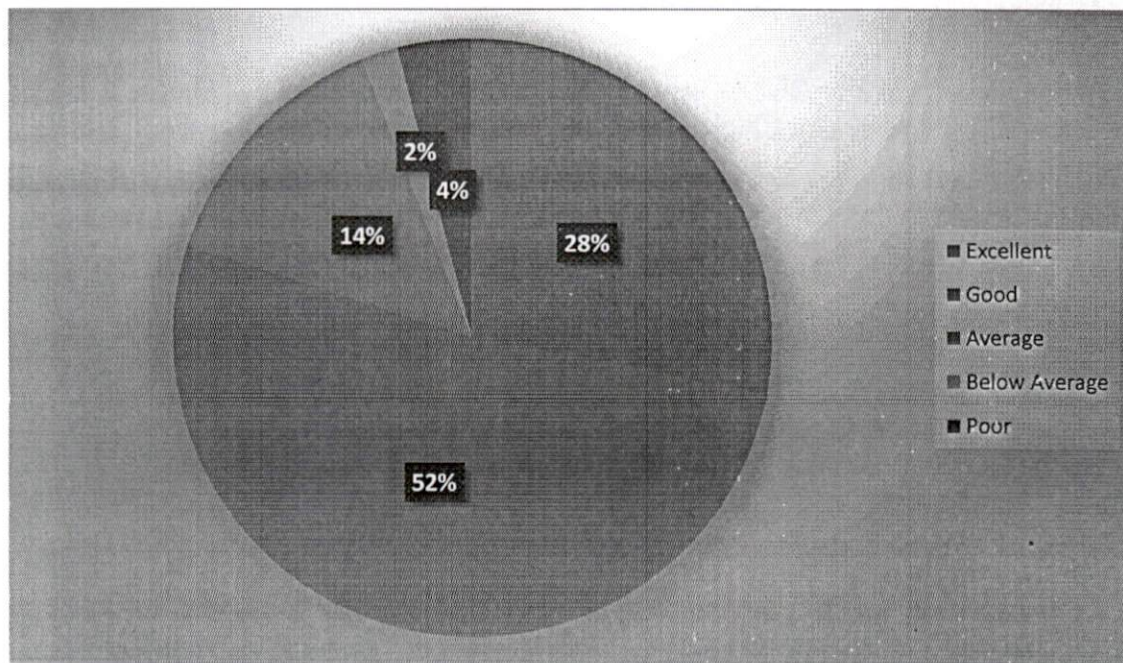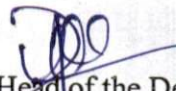

Give suggestions for improving the Curriculum

1. The curriculum has to be updated to adhere to the GATE and Engineering Service Examination exam syllabuses.

2. Set up a workshop to talk about ideas to make the teaching and learning process better.

3. It is recommended to offer one value-added course in the odd semester and another in the even semester.

4. Better to add value added courses to improve student skill.

5. It is preferable to alter the curriculum's GATE and Engineering Service Examination curricula.

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

1. The curriculum should be revised and follow the Engineering Service Examination and the GATE exam syllabus.

2. Organize a workshop to discuss ways to improve the teaching and learning process.

3. Suggested to conduct one value added course in odd semester andanother value added course in even semester.

Head of the Department

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DEPARTMENT OF CIVIL ENGINEERING

Employer Feedback on curriculum

Employer Feedback Analysis **(2020- 2021)** for the B. Tech **(Civil 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	28	51	16	2	3	Excellent & good	79%
2	There is adequate emphasis on employability skills/ skill development/entrepreneurship in the curriculum	33	49	12	2	4	Excellent & good	82%
3	The electives offered in the curriculum suits the industry needs and technological advancements.	33	48	14	3	2	Excellent & good	81%

Graphical representation of Employer feedback analysis
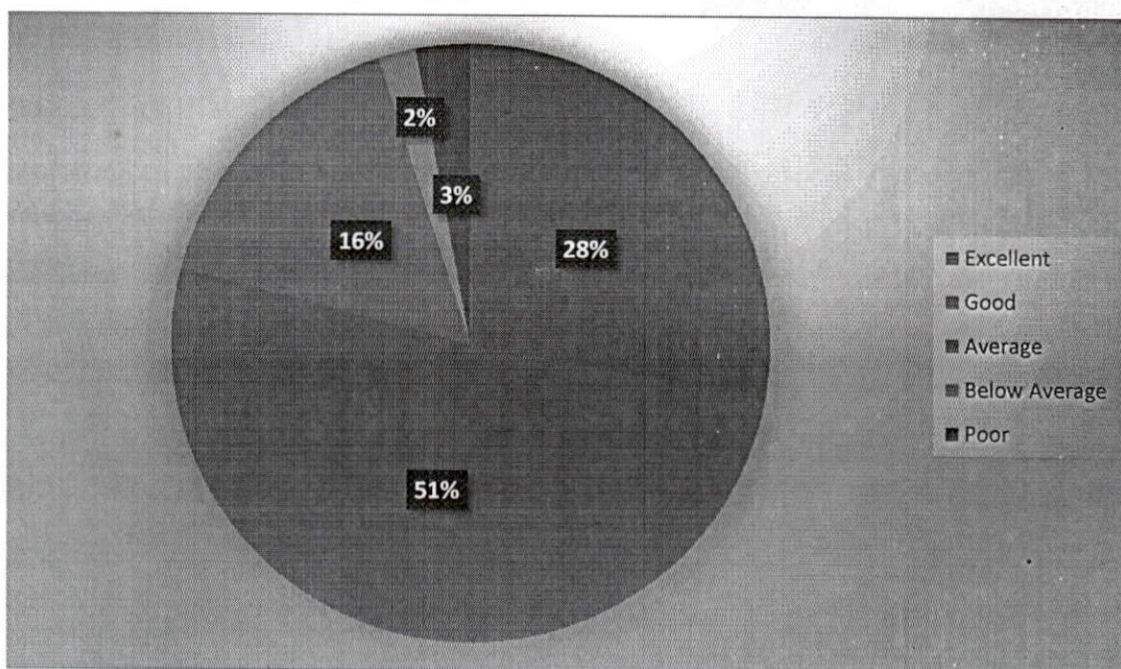
1. **Curriculum is contemporary and need based**

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

Pie chart values: 2%, 4%, 12%, 33%, 49%

Legend:
- Excellent
- Good
- Average
- Below Average
- Poor

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

Pie chart values: 3%, 2%, 14%, 33%, 48%

Legend:
- Excellent
- Good
- Average
- Below Average
- Poor
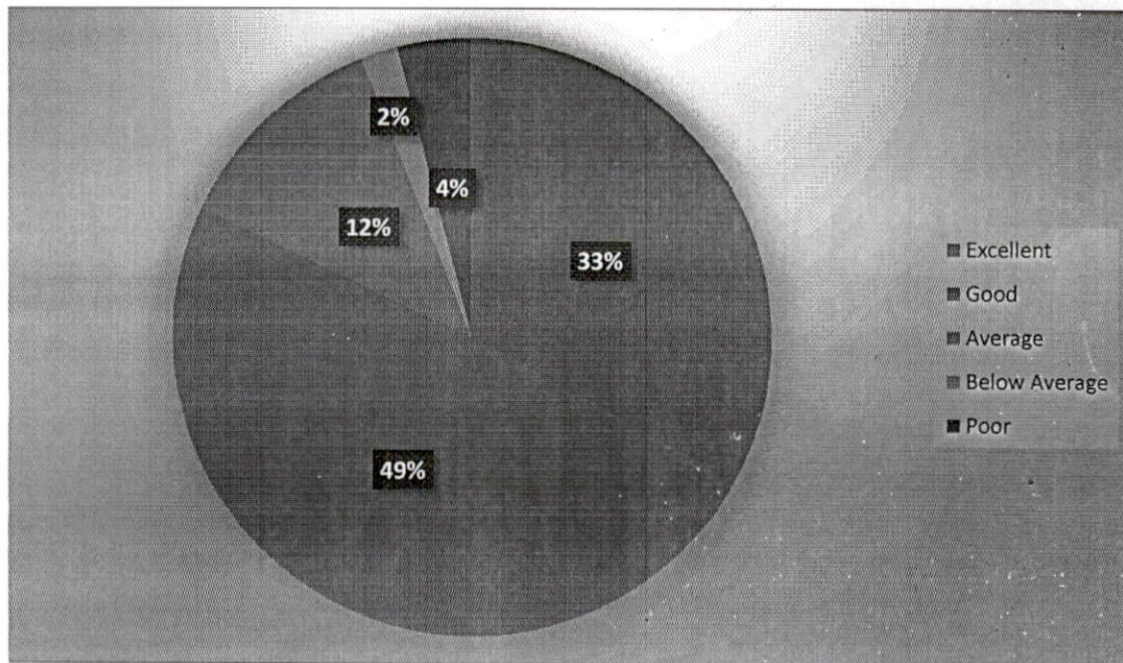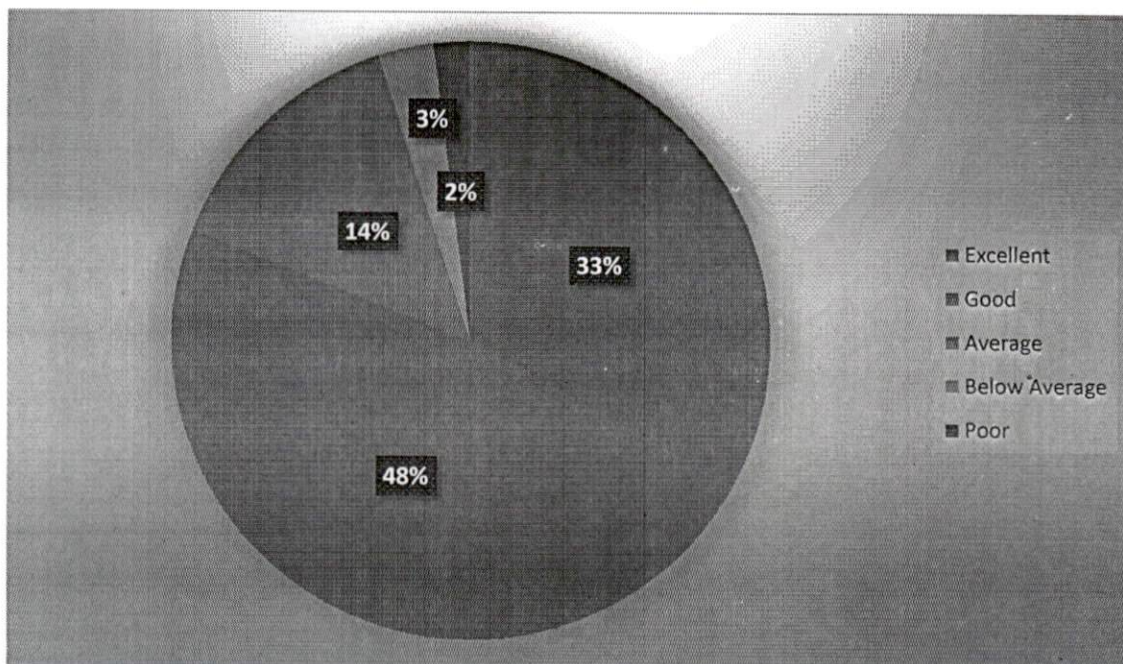
Suggest any courses to be added to /removed from the curriculum
1. Conduct a programme in such a way that technical skills can be improved
2. Provide some software courses for civil engineering students.
3. Taught the pupils how to programme so that they could approach the technical interview with assurance.

Suggest the skills to be acquired by our students to meet the industry requirements
1. Practical knowledge should be improve, instead of theoretical
2. Get a clear understanding on related to design software
3. Practical experience and industrial visits are required.

Any other suggestions on Curriculum
1. Suggested to conduct one valueadded course in odd semester and value added course in even semester.
2. You can incorporate additional industrial visits.
3. Add the Skill Development Courses in Curriculum for Jobs Purpose.

The following are observations on Employer feedback and action need to be initiated:
1. Conduct programming skills training for students to prepare them for interviews.
2. Trained the students in programming skills so that they can confidently face the technical interview.
3. Students exposure to practical and field knowledge.

Head of the Department
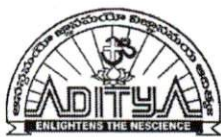
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DEPARTMENT OF CIVIL ENGINEERING

Student Feedback on curriculum

Student Feedback Analysis **(2020- 2021)** for the B. Tech **(Civil Engineering)** program.

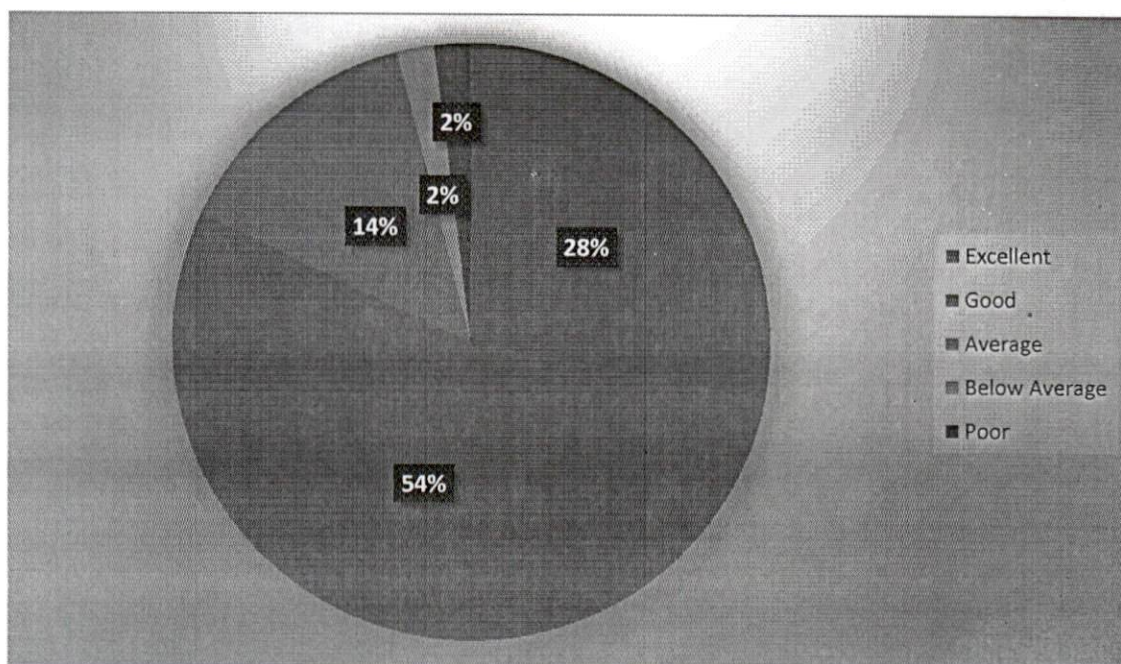| S. NO	Question related to Curriculum	Opinion of the Student with percentage					Majority opinion	% of Majority Opinion
		Excellent (%)	Good (%)	Average (%)	Below Average (%)	Poor (%)		
1	Curriculum is contemporary and need based	28	51	15	3	3	Excellent & good	79%
2	Curriculum has good balance of Theory and Practical courses	28	54	14	2	2	Excellent & good	82%
3	The curriculum has sufficient number of electives	35	48	12	2	3	Excellent & good	83%
4	There is adequate emphasis on employability skills / skill development/entrepreneurship in the curriculum.	27	52	16	2	3	Excellent & good	79%
5	There is adequate emphasis on Communication Skills in the Curriculum.	29	52	12	3	4	Excellent & good	81%
6	There is adequate emphasis on Human Values, ethics and Professionalism in the Curriculum.	31	49	14	2	4	Excellent & good	80%
7	The electives offered in the curriculum suits the industry needs and technological advancements.	31	52	13	1	3	Excellent & good	83%
8	The books prescribed/listed as reference in curriculum are relevant, appropriate and updated.	34	47	14	3	2	Excellent & good	81%
9	The Program Educational Objectives, Program outcomes, Program Specific Outcomes, Course Objectives and Course Outcomes are well defined and clear.	27	55	11	4	3	Excellent & good	82%
10	The rubrics for assessment is described clearly and there is adequate weightage for Continuous Internal	35	46	14	2	3	Excellent & good	81%

Evaluation and Semester End Examination.							

Graphical representation of Students feedback on curriculum

1. **Curriculum is contemporary and need based**
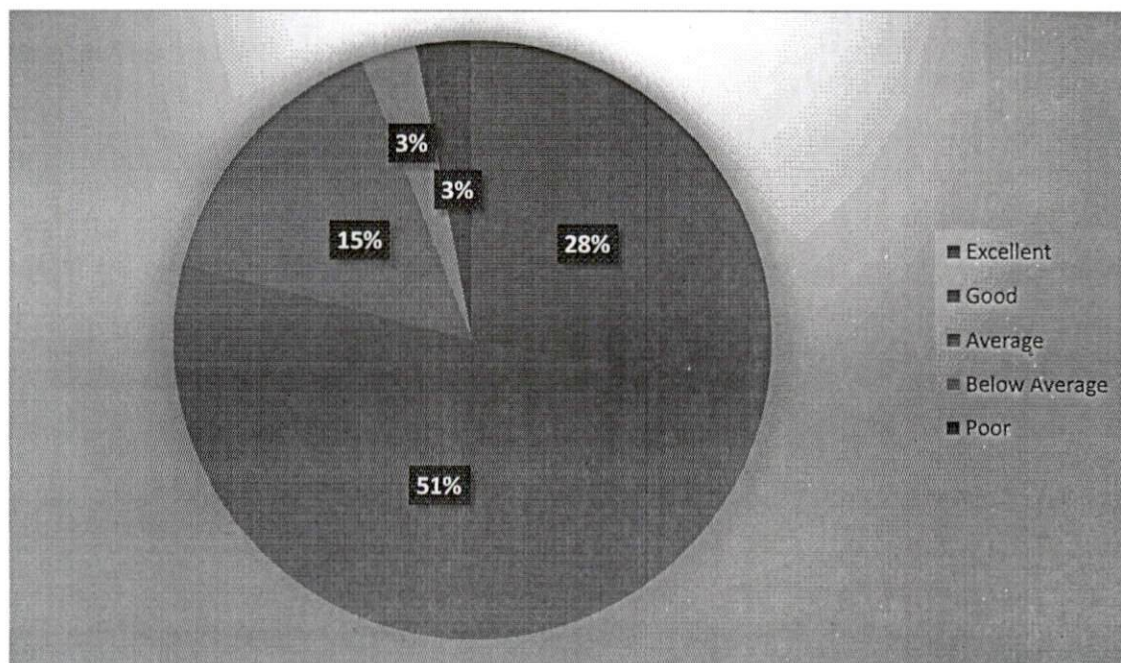
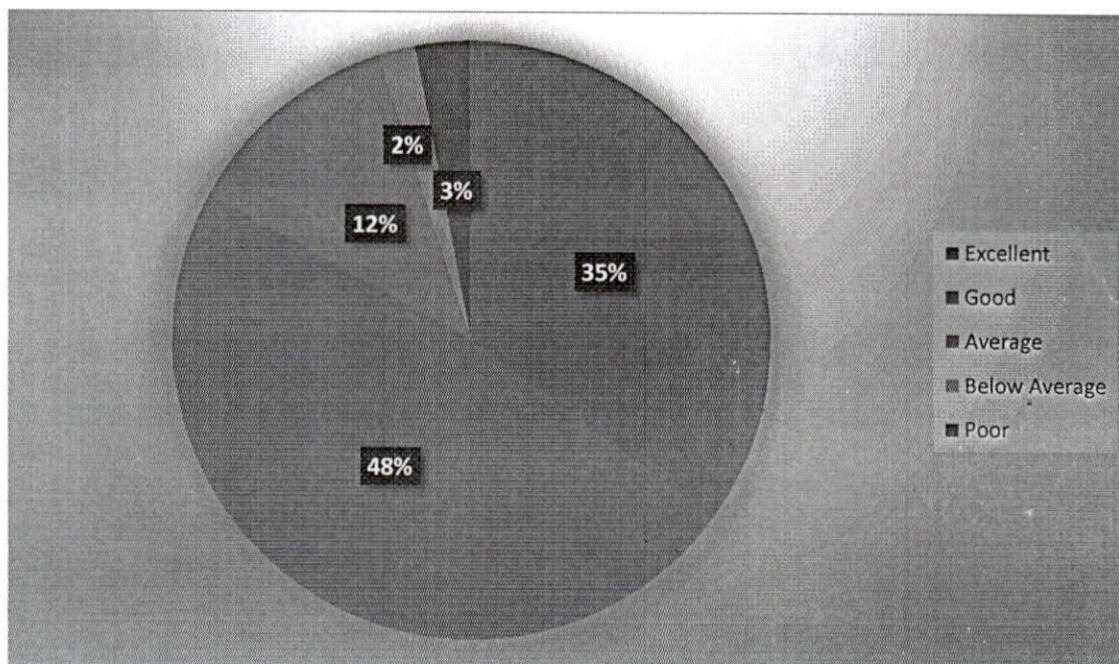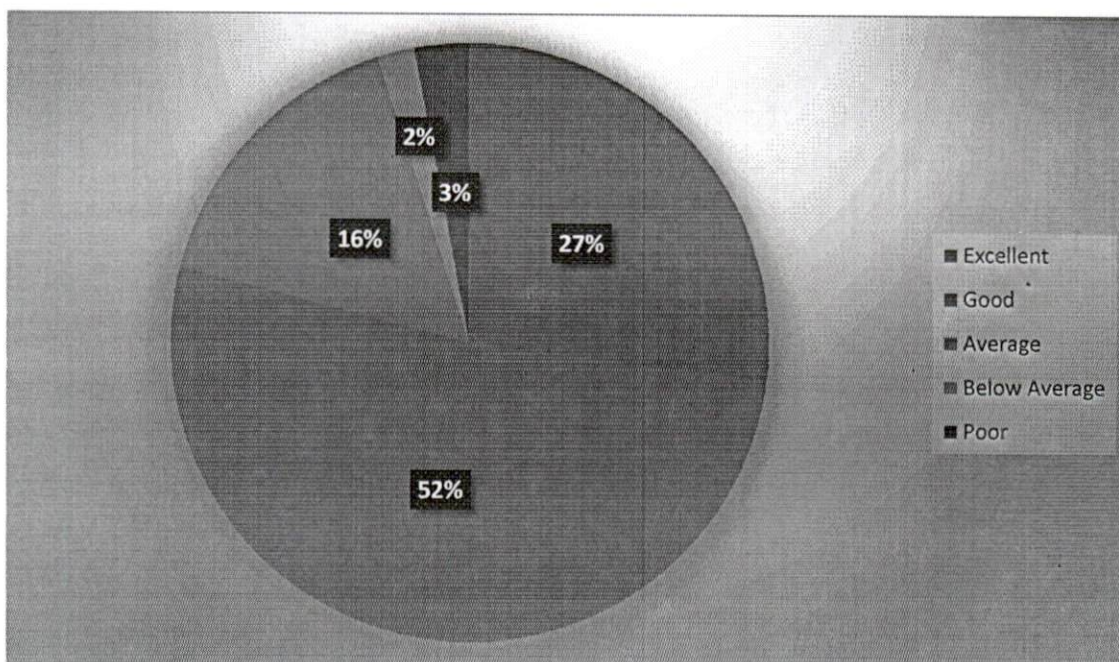2. **Curriculum has good balance of Theory and Practical courses.**

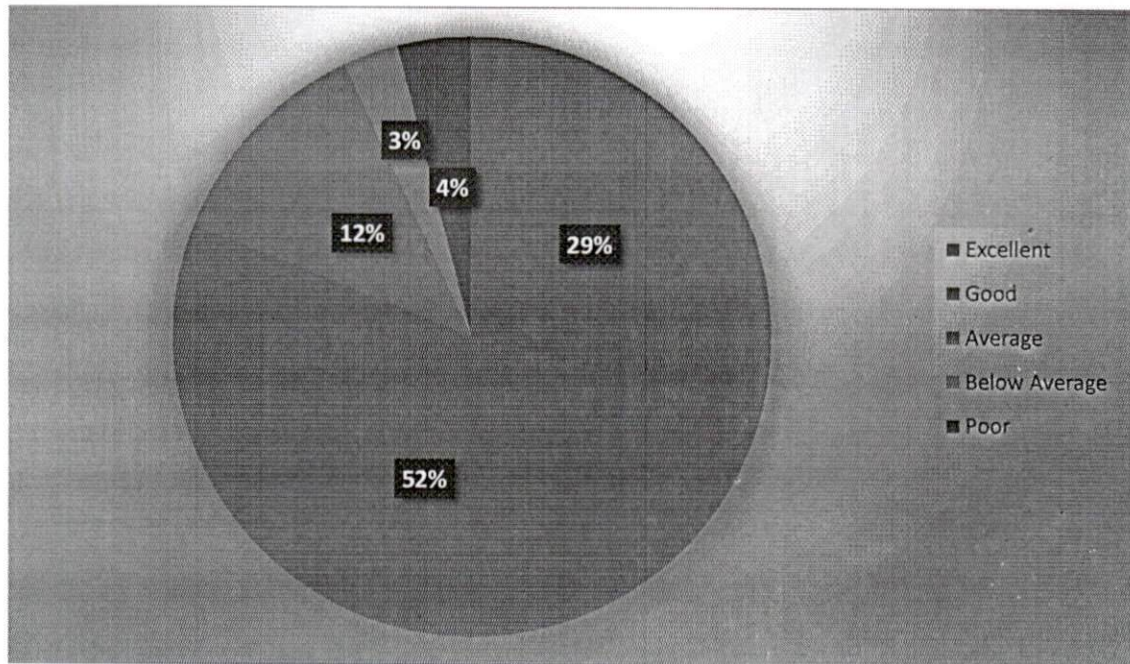3. **The curriculum has sufficient number of electives**

Legend:
- Excellent
- Good
- Average
- Below Average
- Poor

Values: 2%, 3%, 12%, 35%, 48%

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

Legend:
- Excellent
- Good
- Average
- Below Average
- Poor

Values: 2%, 3%, 16%, 27%, 52%

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

Legend:
- Excellent
- Good
- Average
- Below Average
- Poor

3%
4%
12%
29%
52%

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

Legend:
- Excellent
- Good
- Average
- Below Average
- Poor

2%
4%
14%
31%
49%

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

Legend:
- Excellent
- Good
- Average
- Below Average
- Poor

Values shown: 1%, 3%, 13%, 31%, 52%

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

Legend:
- Excellent
- Good
- Average
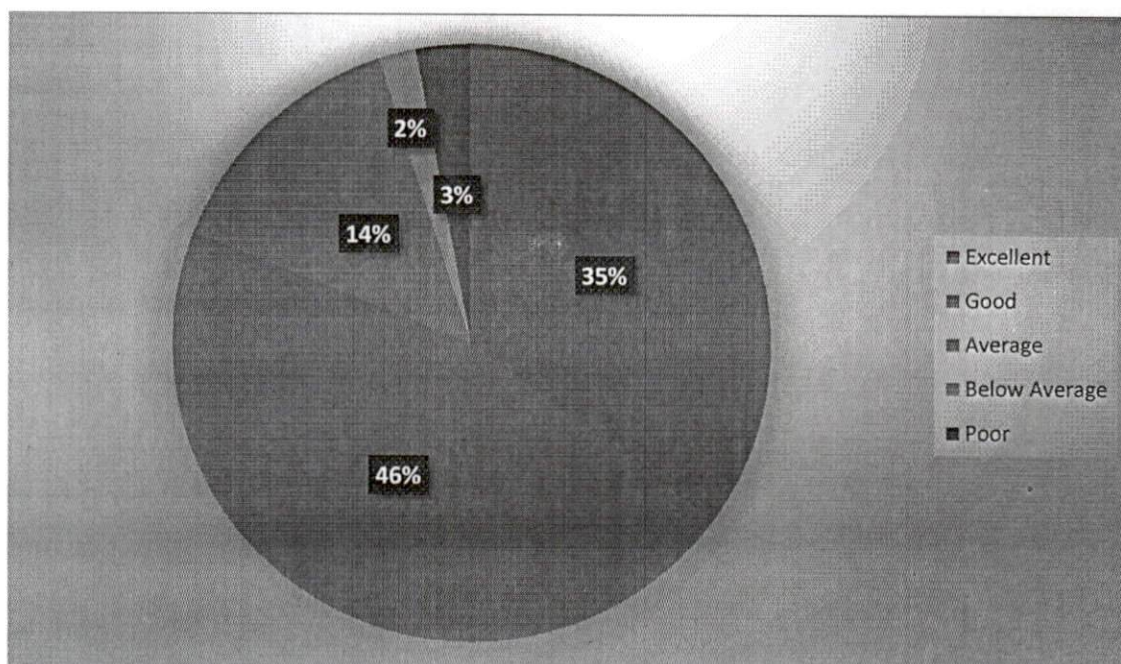- Below Average
- Poor

Values shown: 3%, 2%, 14%, 34%, 47%
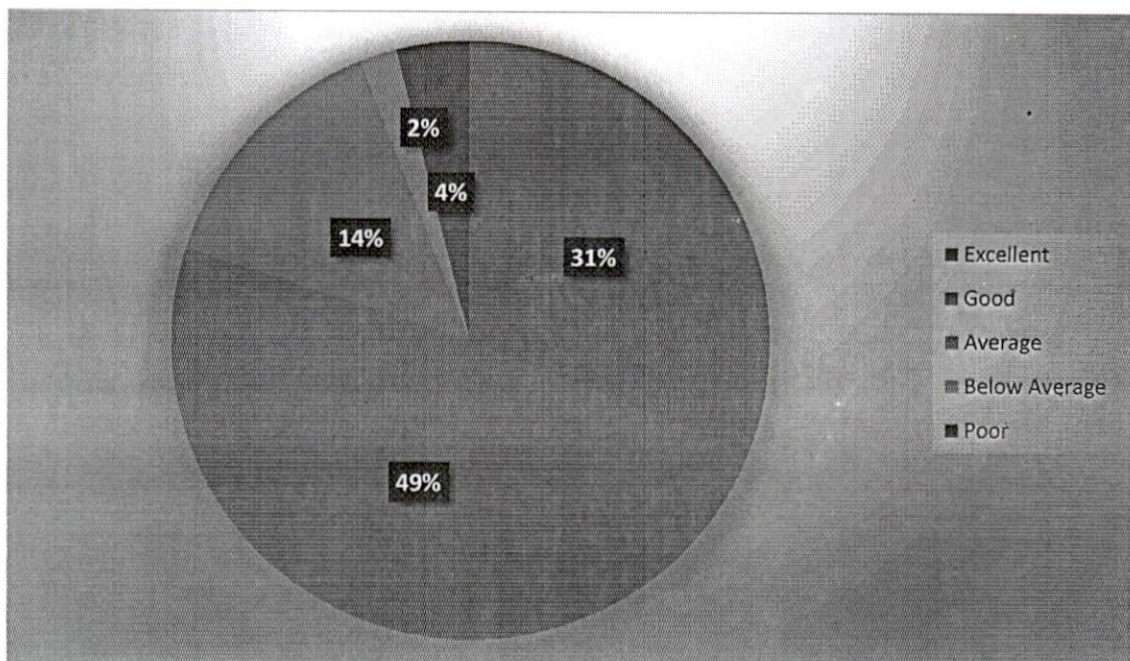
9. **The Program Educational Objectives, Program outcomes, Program Specific Outcomes, Course Objectives and Course Outcomes are well defined and clear.**

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. Provide more communication skills in every Academic Year.

2. To get more practical understanding and use the most cutting-edge instruments in the field of civil engineering, students must complete advanced surveying training.

3. Need to incorporate latest development in industry Recommended subjects.

4. Include all pertinent fundamental engineering disciplines in the first year, with branch shift possibilities available in the second.

5. Increase semester time from 3 months to 6 months or at least 5 months so that faculty can teach problematic subjects way more efficiently.

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

1. Improve communication skills &employability calibre in students

2. Students must receive advanced surveying training in order to increase practical knowledge and use the most up-to-date tools in the field of civil engineering.

3. Include all related basic engineering subjects in the first year and allow for branch change options in the second year.

Head of the Department
Head of the Department
Dept. of Civil Engineering
ADITYA ENGINEERING COLLEGE (A)