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 PETROLEUM TECHNOLOGY

Alumni Feedback on curriculum

Alumni Feedback Analysis **(2020-2021)** for the **B. Tech (Petroleum Technology)** 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	35	53	8	4	1	Excellent & good	85%
2	There is adequate emphasis on employability skills/ skill development/entrepreneurship in the curriculum	34	45	10	8	3	Excellent & good	79%
3	The electives offered in the curriculum suits the industry needs and technological advancements.	34	42	12	9	6	Excellent & good	75%

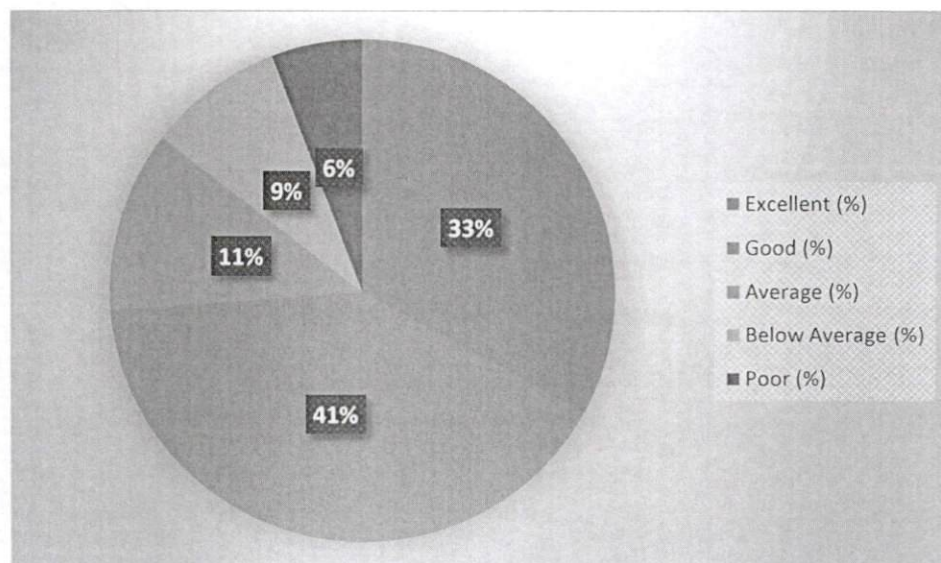## Graphical representation of Alumni feedback analysis
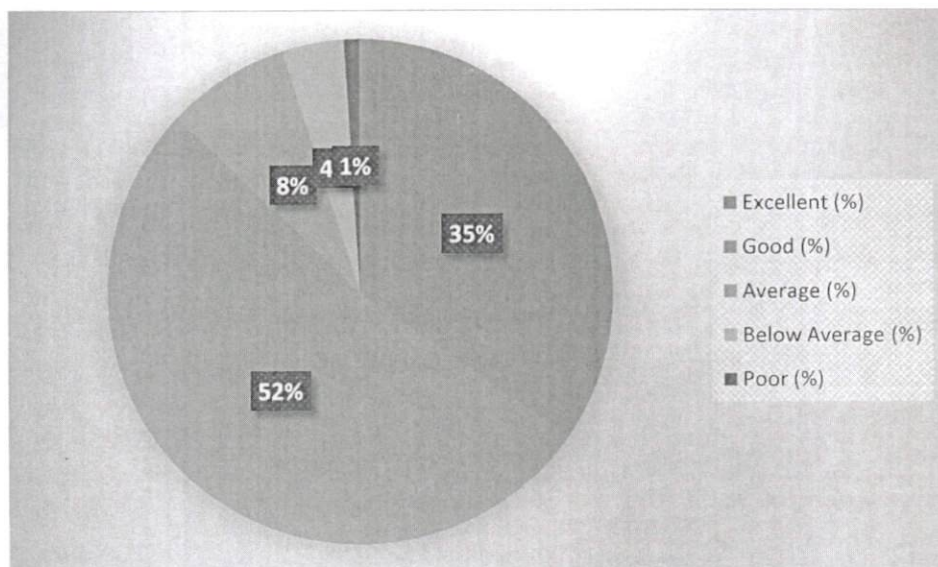
1. **Curriculum is contemporary and need based**

2. There is adequate emphasis on employability skills/ skill development/entrepreneurship in the curriculum
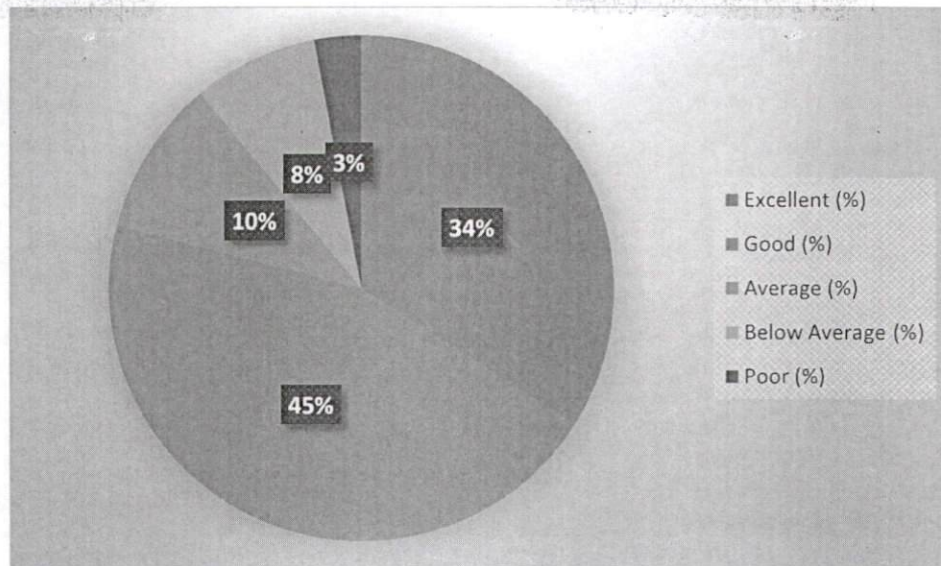
3. The electives offered in the curriculum suits the industry needs and technological advancements.

Suggest any courses to be added to /removed from the curriculum

1.IT related topics

2.Unconventional topics

3.Deepwater related topics

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

1. Programming languages

2.Research programs.

3. Add deep water topics to curriculum to understand new technology.

Give any other suggestions for improving the Curriculum

1.No suggestions

2.Want more copies of technological updated texts in libraries

3.Practical knowledge and theoretical knowledge should be simultaneously taught.

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

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

2.A clear understanding on the material must be known to perform research...

3. It is better that students have knowledge on the cutting edge technologies..

Signature of the HOD

Head of the Department
Department of Petroleum Technology
Aditya Engineering College
SURAMPALEM-533 437

DEPARTMENT OF PETROLEUM TECHNOLOGY

Employer Feedback on curriculum

Employer Feedback Analysis **(2020-2021)** for the B. Tech **(Petroleum Technology)** 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	38	46	10	2	4	Excellent & good	84%
2	There is adequate emphasis on employability skills/ skill development/entrepreneurship in the curriculum	35	45	8	8	4	Excellent & good	80%
3	The electives offered in the curriculum suits the industry needs and technological advancements.	35	40	14	6	5	Excellent & good	75%

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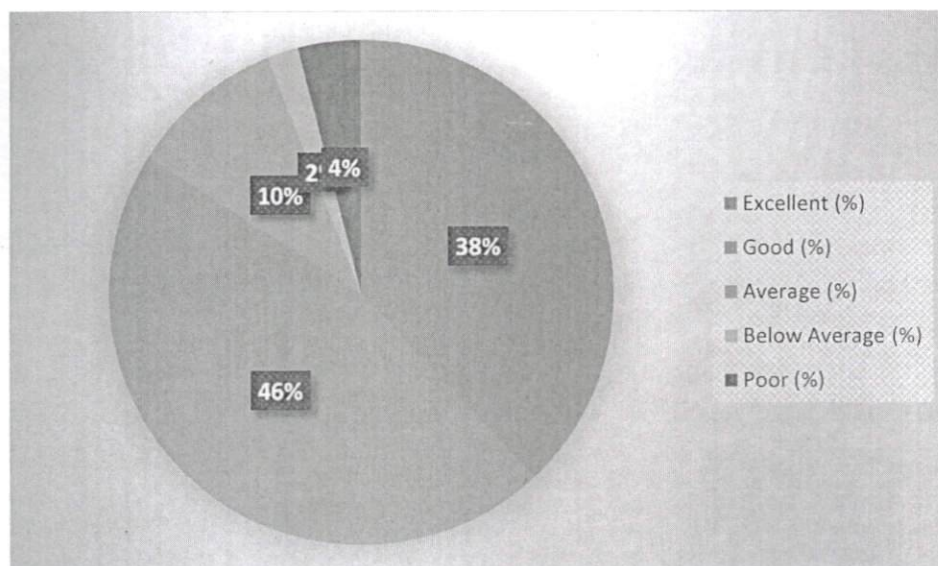
1. **Curriculum is contemporary and need based**

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

Legend:
- Excellent (%)
- Good (%)
- Average (%)
- Below Average (%)
- Poor (%)

Values shown: 4%, 8%, 8%, 35%, 45%

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

Legend:
- Excellent (%)
- Good (%)
- Average (%)
- Below Average (%)
- Poor (%)

Values shown: 5%, 6%, 14%, 35%, 40%
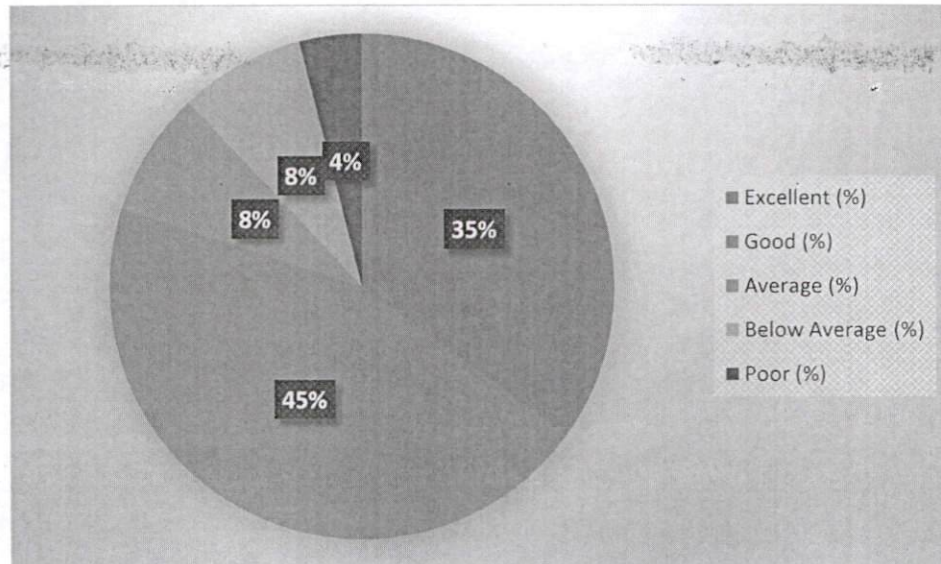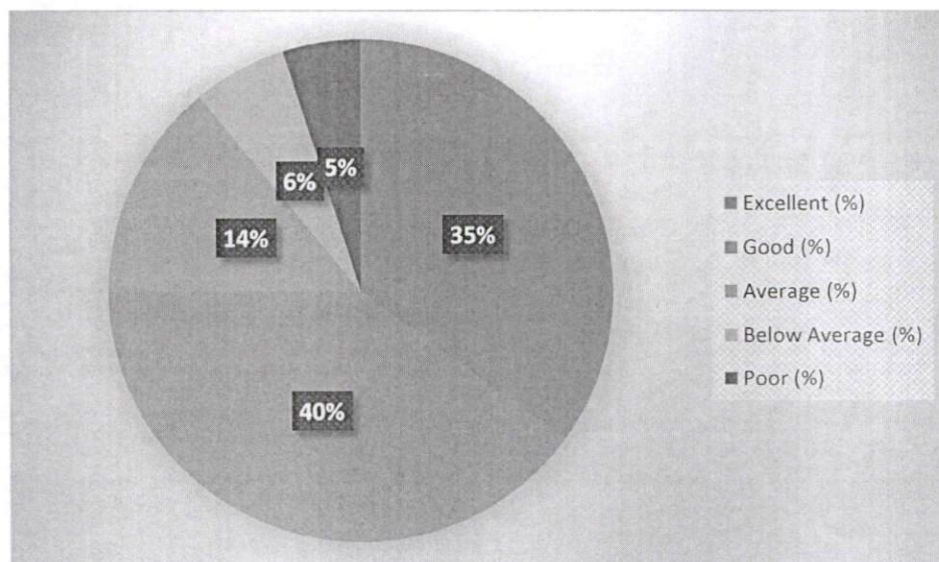
Suggest any courses to be added to /removed from the curriculum

1.It is good no need to remove or add

2.Add skill courses as an elective

3.Revise drilling engineering

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

1.Theory cum practical based needed for students.

2.Coding must be known for everyone.

3.Aptitude and reasoning, core subjects.

Any other suggestions on Curriculum

1.Add some more programming languages in Curriculum

2.Add Python

3.It is good no change needed.

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

1.Suggested to keep transferable and necessary skills with rising demand in all industries.

2.Capability to acquire and apply fundamental principles of engineering is needed.

3. Suggested to involve advanced topics, Engineers are looking nowadays in the curriculum..

Signature of the HOD

Head of the Department
Department of Petroleum Technology
Aditya Engineering College
M-533 437
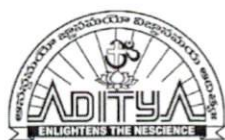
DEPARTMENT OF PETROLEUM TECHNOLOGY

Teacher Feedback on curriculum

Teacher Feedback Analysis(2020-2021) for the B. Tech (Petroleum Technology) 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	42	43	10	4	1	Excellent & good	88%
2	The Program Educational Objectives, Program outcomes, Program Specific Outcomes, Course Objectives and Course Outcomes are well defined and clear.	34	51	8	5	2	Excellent & good	89%
3	Curriculum has good balance of Theory and Practical courses.	33	50	10	5	2	Excellent & good	89%
4	Faculty have the freedom to adopt new techniques for teaching like seminars, presentations, group discussions, flip class room etc.	38	50	7	2	1	Excellent & good	90%
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	90%
6	The students attain the PEOs, POs, PSOs and COs satisfactorily.	35	53	8	2	2	Excellent & good	88%
7	There is adequate emphasis on employability skills/ skill development/entrepreneurship in the curriculum.	36	48	8	6	2	Excellent & good	88%
8	There is adequate emphasis on Communication Skills in the Curriculum	34	50	8	6	2	Excellent & good	87%
9	There is adequate emphasis on Human Values, ethics and Professionalism in the Curriculum.	35	50	7	5	3	Excellent & good	87%
10	The curriculum has sufficient number of electives.	35	50	8	5	2	Excellent & good	88%

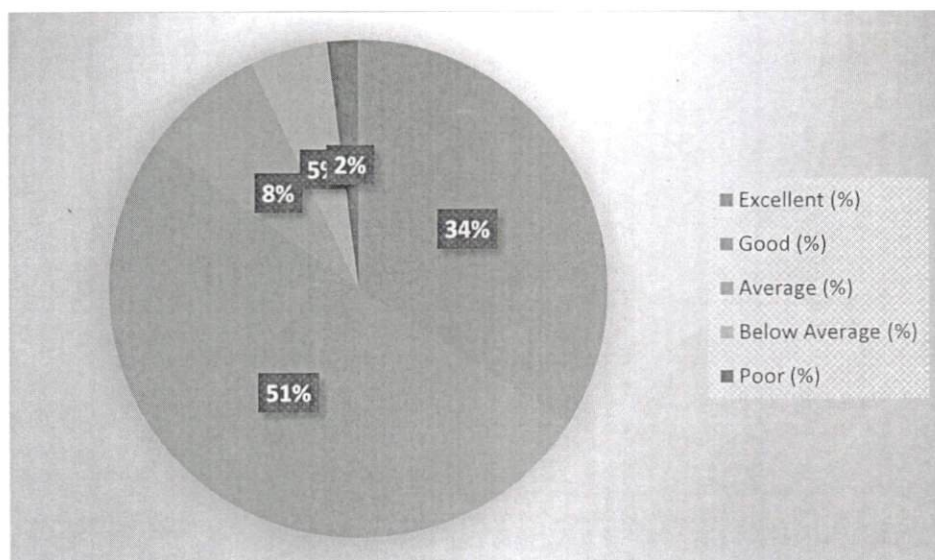| 11 | The electives offered in the curriculum suits the industry needs and technological advancements. | 35 | 50 | 8 | 5 | 2 | Excellent & good | 89% |
| 12 | The books prescribed/listed as reference in curriculum are relevant, appropriate and updated. | 36 | 50 | 10 | 2 | 2 | Excellent & good | 88% |
| 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 | 89% |

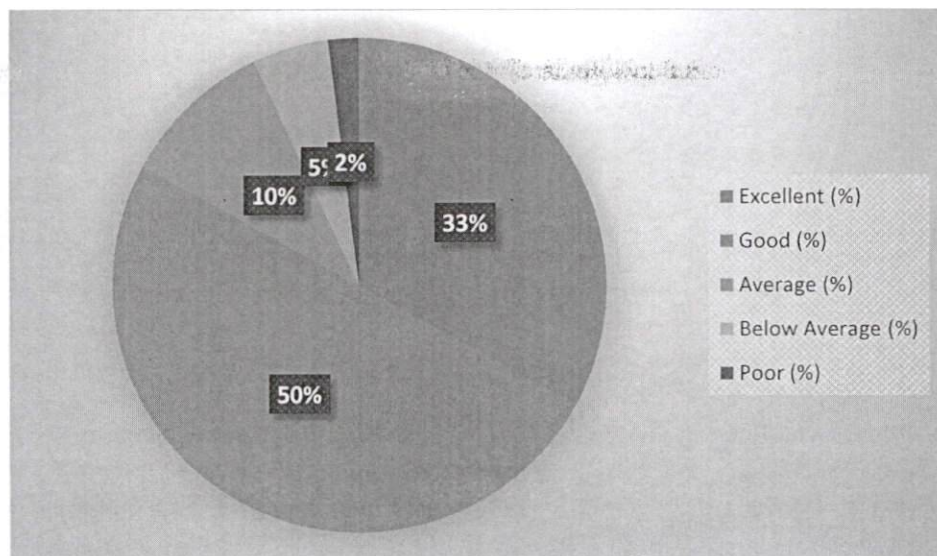# Graphical representation of Teacher feedback on curriculum
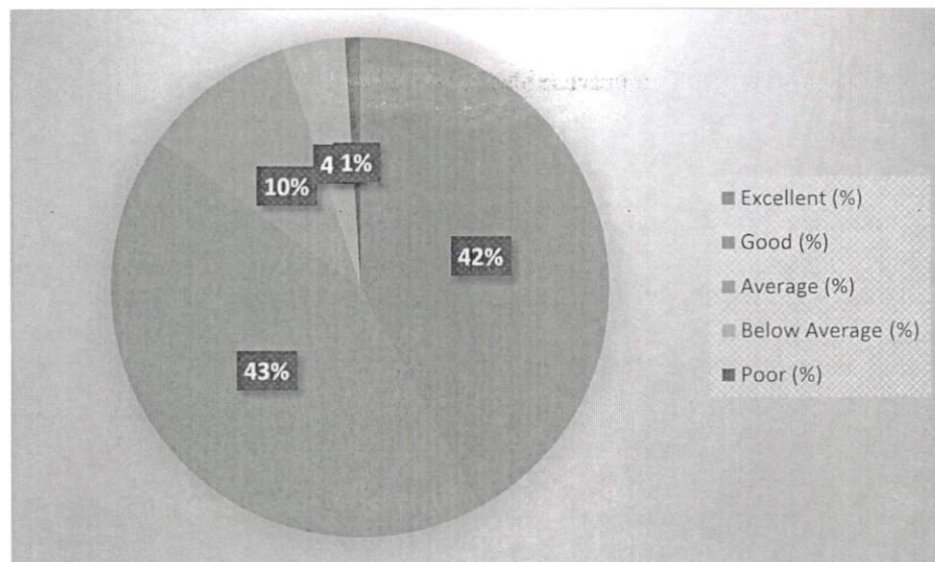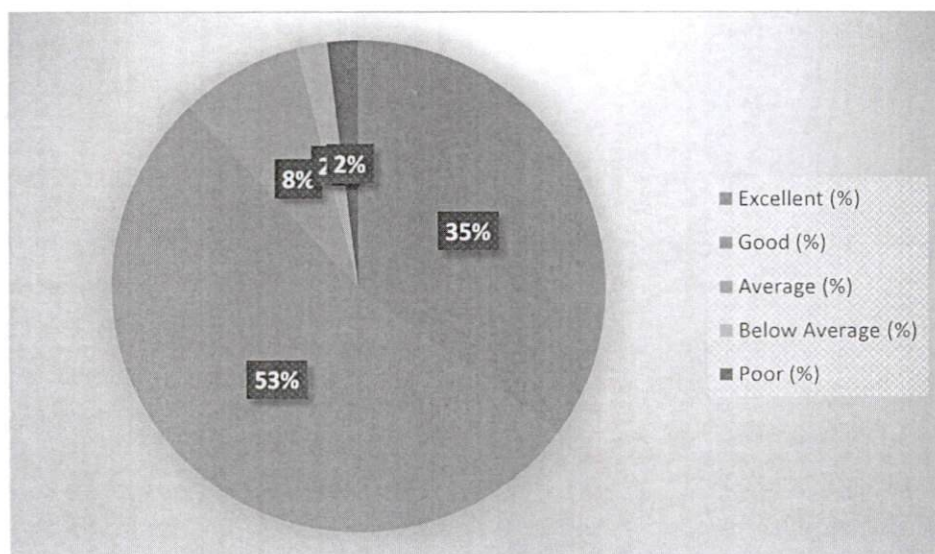
1. Curriculum is contemporary and need based

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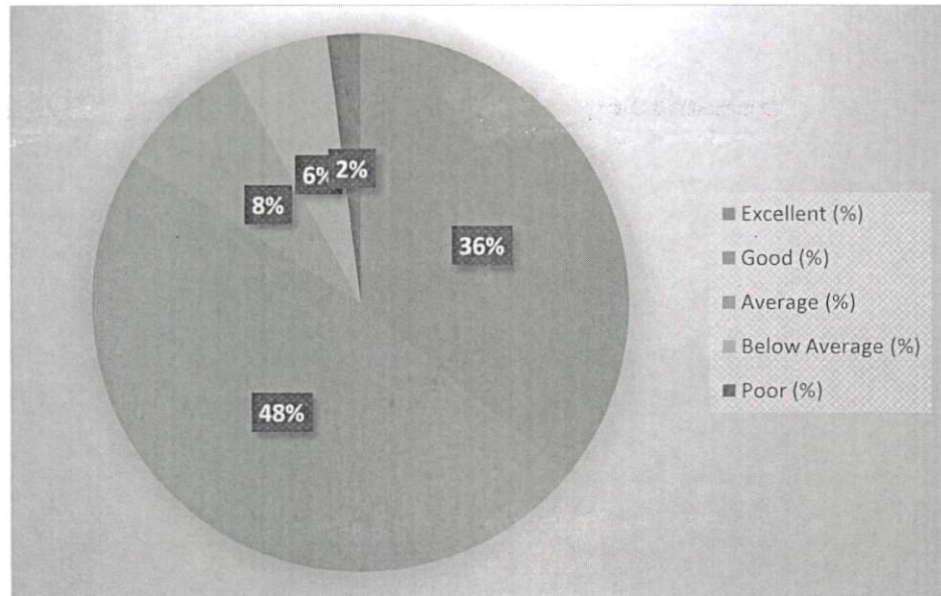
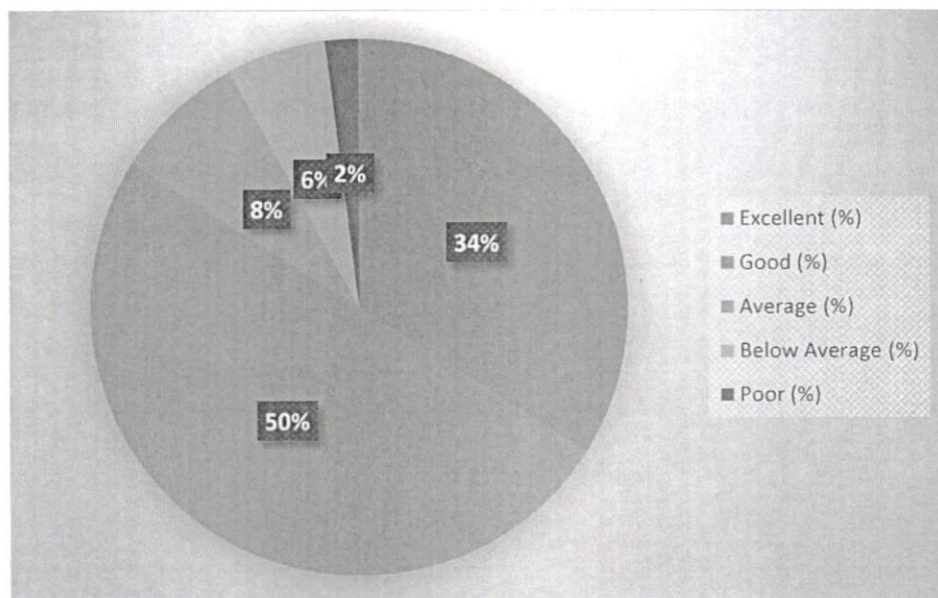3. Curriculum has good balance of Theory and Practical courses.

Legend:
- Excellent (%)
- Good (%)
- Average (%)
- Below Average (%)
- Poor (%)

Values: 5%, 2%, 10%, 33%, 50%

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

Legend:
- Excellent (%)
- Good (%)
- Average (%)
- Below Average (%)
- Poor (%)

Values: 2%, 8%, 35%, 53%

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

Excellent (%) — 6% 2%
Good (%)
Average (%) — 8%
Below Average (%) — 36%
Poor (%) — 48%

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

Excellent (%) — 6% 2%
Good (%)
Average (%) — 8%
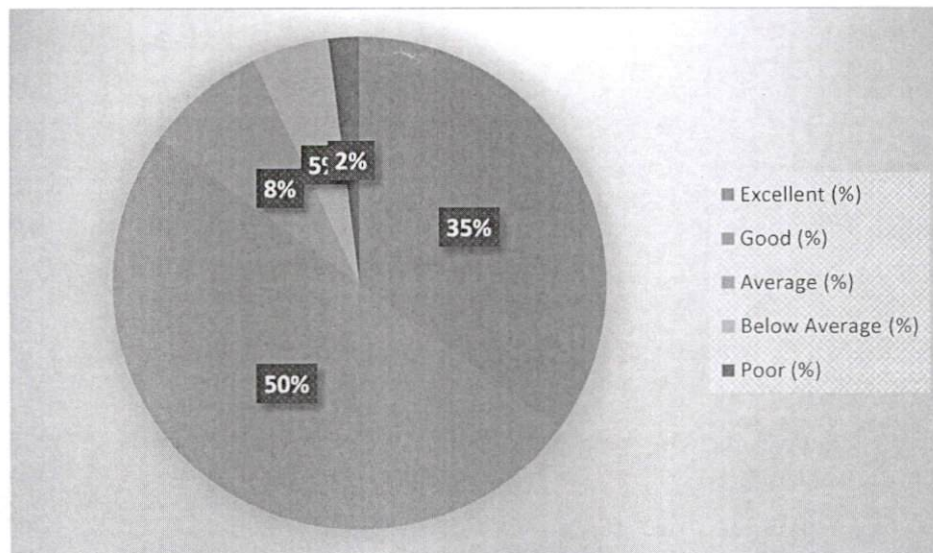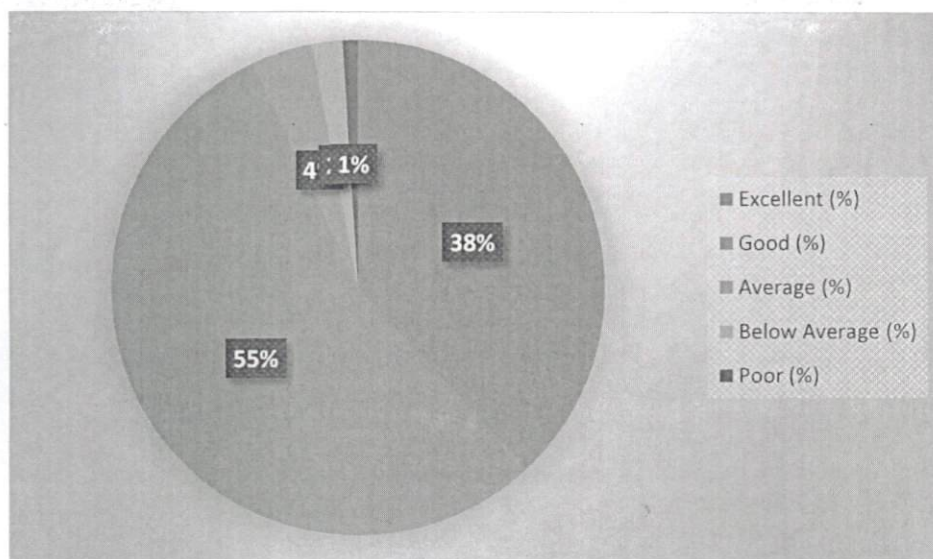Below Average (%) — 34%
Poor (%) — 50%

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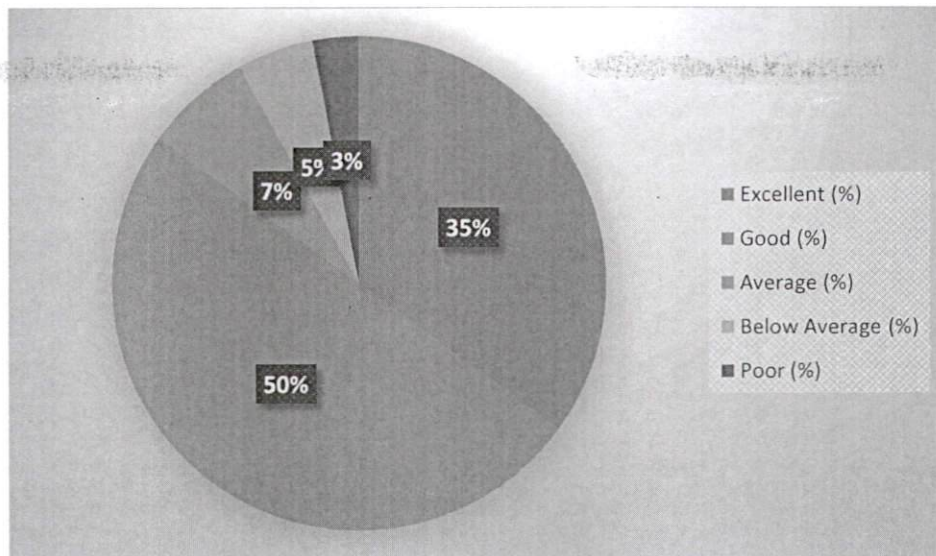
8. There is adequate emphasis on Communication Skills in the Curriculum.

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.Need to introduce new core course.

2.Need to aware of biological concepts

3.The computer programming courses need to keep.

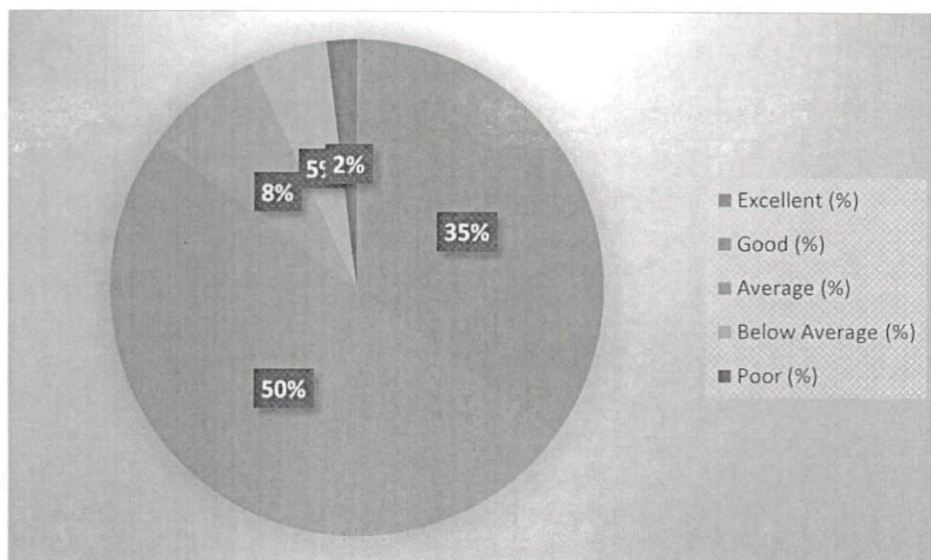**The following are observations on Faculty feedback and action need to be initiated:**

1.Perception of the need for more topics to be included, as well as the general need for a few topics to be modified.

2.Every students to understand the basic principles of engineering and the introduction of biological concepts so that they can effectively interact to concern for providing solutions to the problems related to bio systems

3.It is better student have knowledge on the computer science related subjects during their graduation.
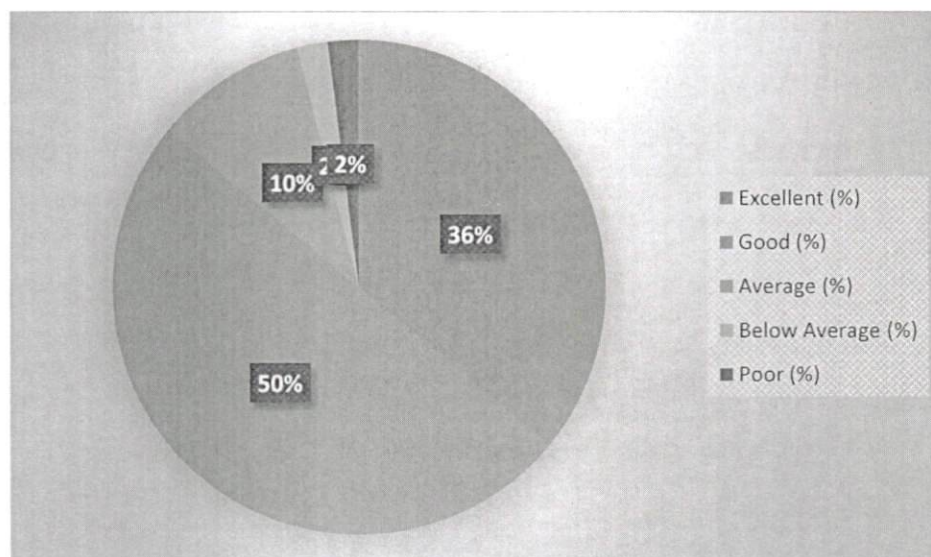
Signature of the HOD

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

Legend:
- Excellent (%)
- Good (%)
- Average (%)
- Below Average (%)
- Poor (%)

Values shown: 5% 2%, 8%, 35%, 50%

10. The curriculum has sufficient number of electives.

Legend:
- Excellent (%)
- Good (%)
- Average (%)
- Below Average (%)
- Poor (%)

Values shown: 2%, 10%, 36%, 50%

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

Legend:
- Excellent (%)
- Good (%)
- Average (%)
- Below Average (%)
- Poor (%)

Values shown: 4 : 1%, 38%, 55%

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

Legend:
- Excellent (%)
- Good (%)
- Average (%)
- Below Average (%)
- Poor (%)

Values shown: 10%, 2%, 36%, 50%

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## DEPARTMENT OF PETROLEUM TECHNOLOGY

Student Feedback on curriculum

Student Feedback Analysis **(2020- 2021)** for the B. Tech **(Petroleum Technology)** 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	34	50	12	4	4	Excellent & good	84%
2	Curriculum has good balance of Theory and Practical courses	32	50	10	6	2	Excellent & good	82%
3	The curriculum has sufficient number of electives	35	45	10	5	5	Excellent & good	80%
4	There is adequate emphasis on employability skills / skill development/entrepreneurship in the curriculum.	32	52	12	4	4	Excellent & good	84%
5	There is adequate emphasis on Communication Skills in the Curriculum.	31	50	10	5	4	Excellent & good	81%
6	There is adequate emphasis on Human Values, ethics and Professionalism in the Curriculum.	30	52	8	6	4	Excellent & good	82%
7	The electives offered in the curriculum suits the industry needs and technological advancements.	35	50	8	4	3	Excellent & good	85%
8	The books prescribed/listed as reference in curriculum are relevant, appropriate and updated.	30	50	10	5	5	Excellent & good	80%
9	The Program Educational Objectives, Program outcomes, Program Specific Outcomes, Course Objectives and Course Outcomes are well defined and clear.	34	50	12	4	4	Excellent & good	84%
10	The rubrics for assessment is described clearly and there is adequate weightage for Continuous Internal Evaluation and Semester End Examination.	31	54	8	4	3	Excellent & good	85%

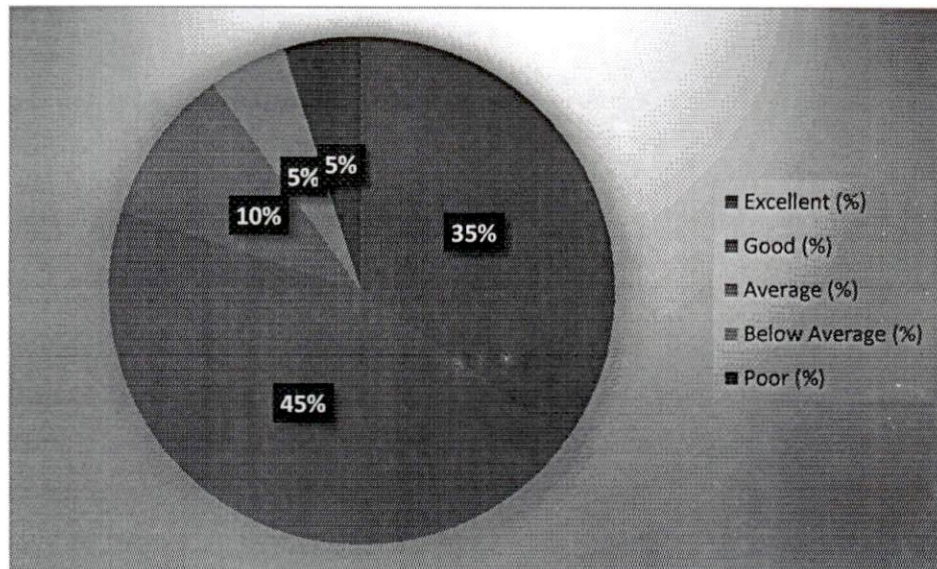# Graphical representation of Students feedback on curriculum
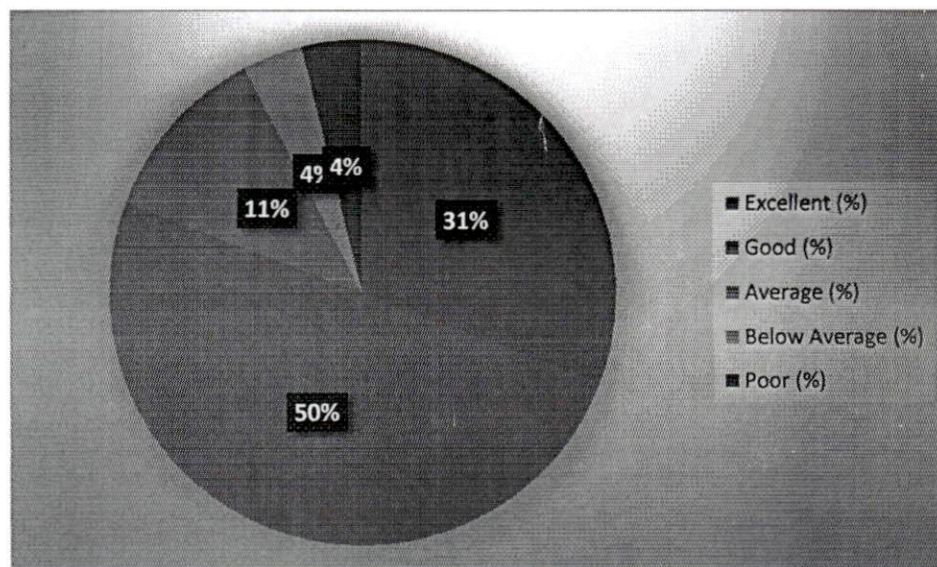
1. Curriculum is contemporary and need based
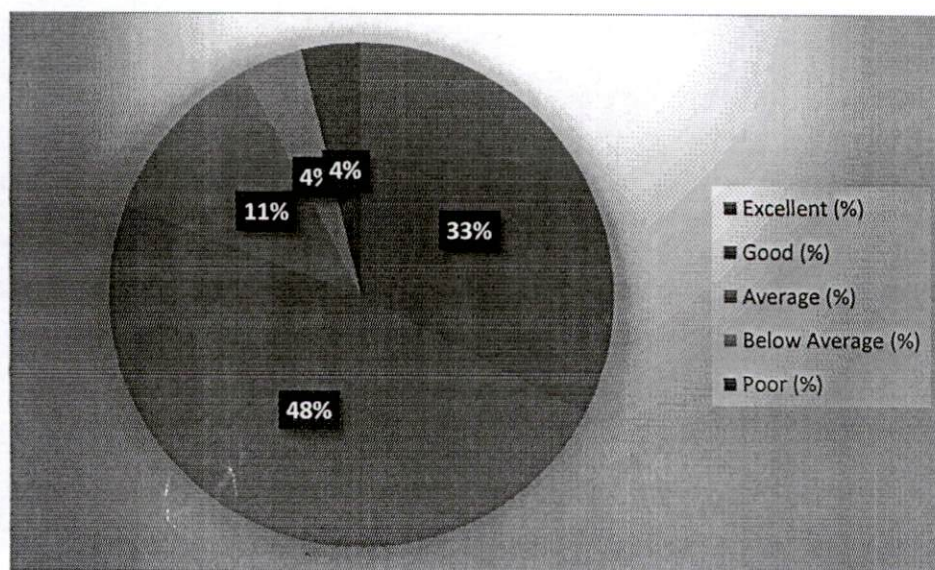
2. Curriculum has good balance of Theory and Practical courses.
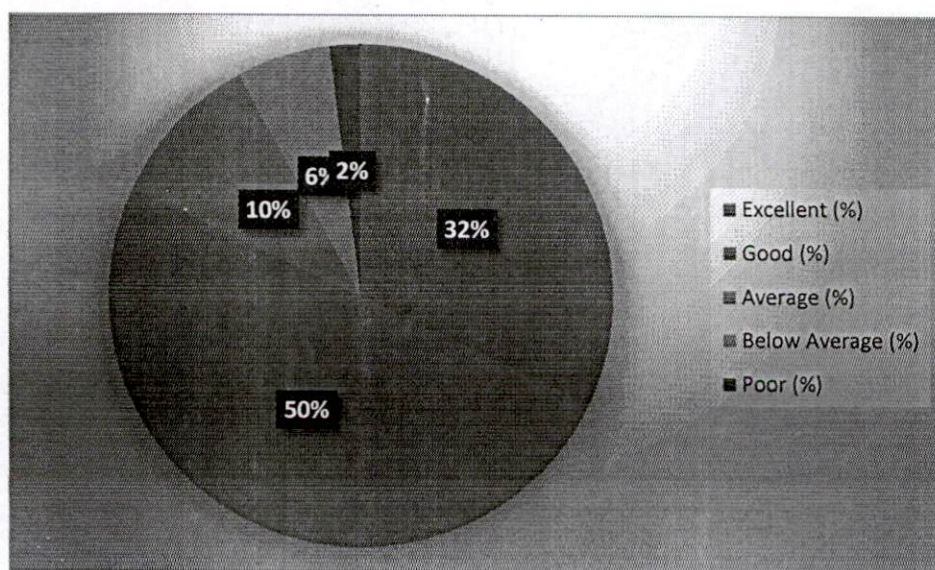
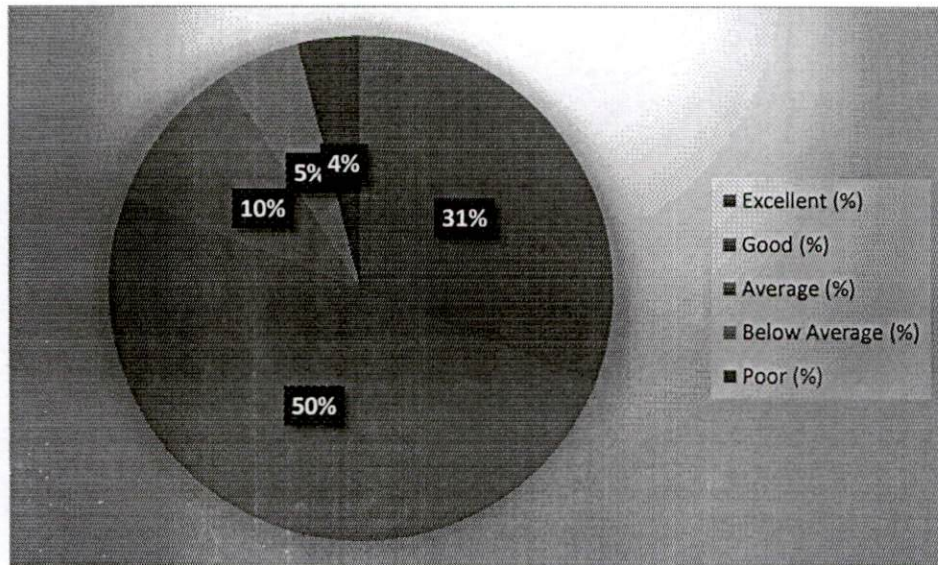3. The curriculum has sufficient number of electives

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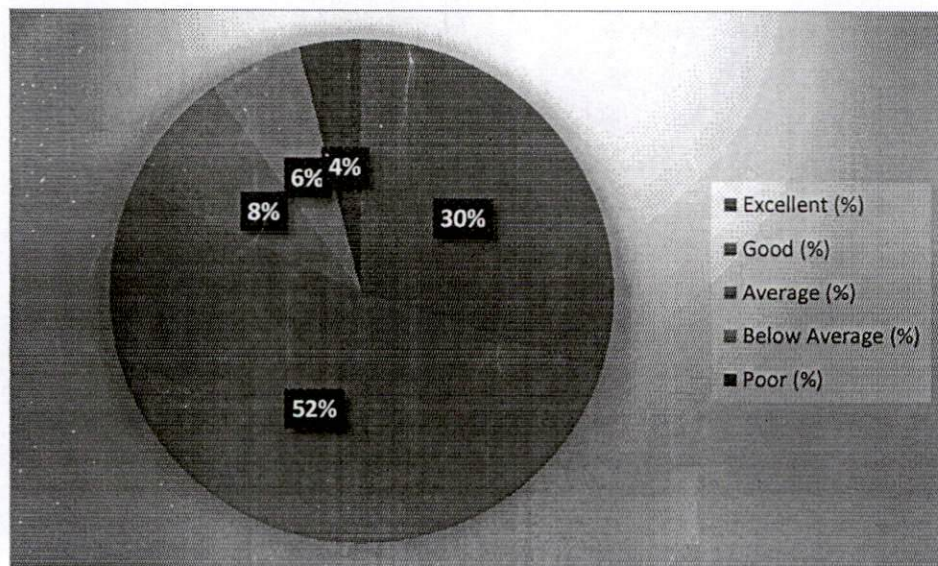
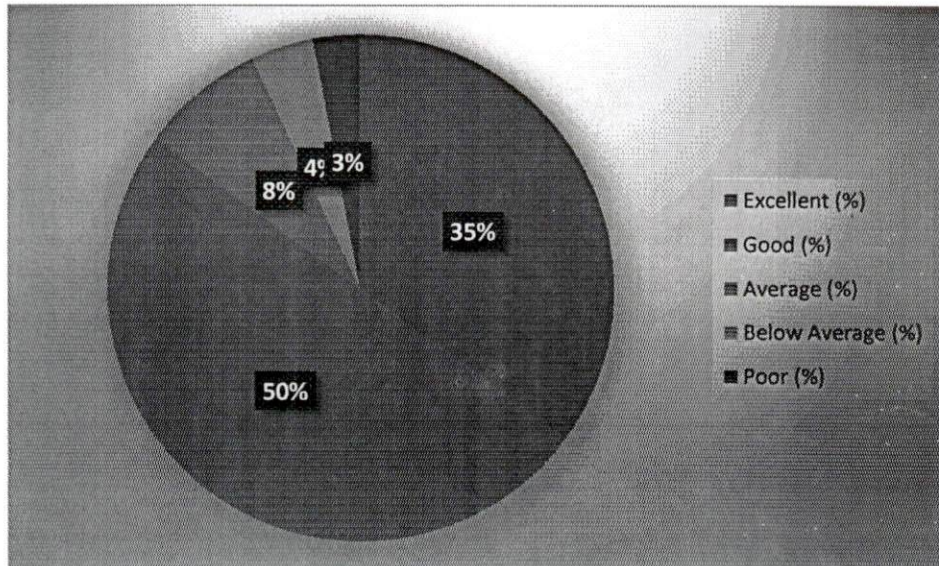5. There is adequate emphasis on Communication Skills in the Curriculum.

Legend:
- Excellent (%)
- Good (%)
- Average (%)
- Below Average (%)
- Poor (%)

Values shown: 4%, 5%, 10%, 31%, 50%

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

Legend:
- Excellent (%)
- Good (%)
- Average (%)
- Below Average (%)
- Poor (%)

Values shown: 4%, 6%, 8%, 30%, 52%

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

Legend:
- Excellent (%)
- Good (%)
- Average (%)
- Below Average (%)
- Poor (%)

Values shown: 4%, 3%, 8%, 35%, 50%

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

Legend:
- Excellent (%)
- Good (%)
- Average (%)
- Below Average (%)
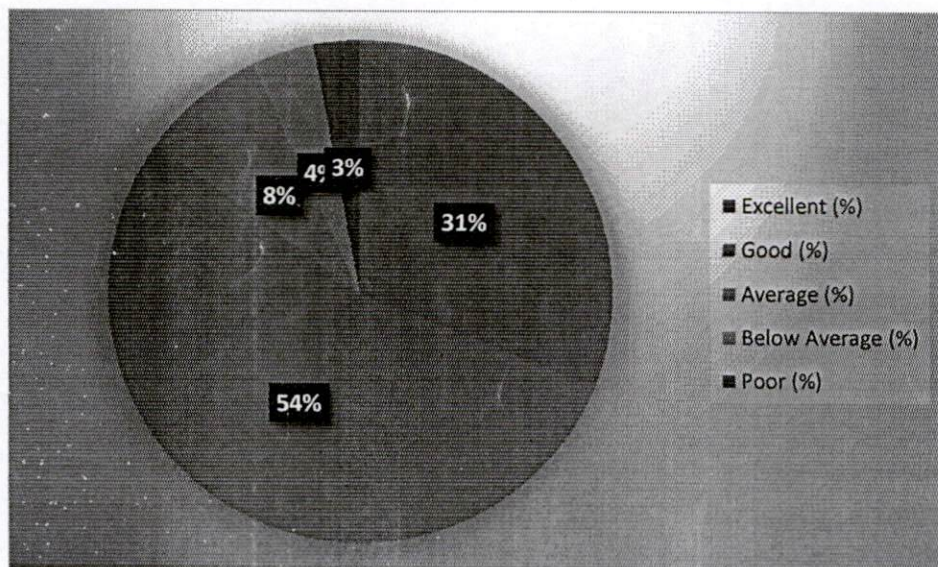- Poor (%)

Values shown: 5%, 5%, 10%, 30%, 50%
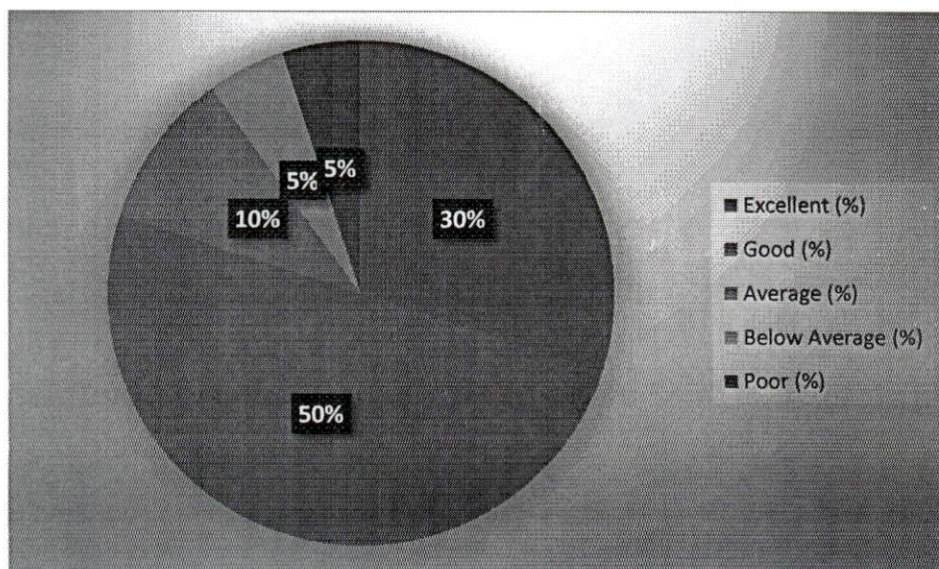
9. The Program Educational Objectives, Program outcomes, Program Specific Outcomes, Course Objectives and Course Outcomes are well defined and clear.

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. Please introduce department specific courses in the early semesters to help the students for jobs.

3. There should be more emphasis on software skills.

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

1. Capability to acquire and apply fundamental principles of engineering is needed.

2. Advancements in industries and job opportunities in the core must be known.

3. Due to tremendous response in the companies of software courses in the petroleum industry, it is better to get the basic knowledge on application

Signature of the HOD

Head of the Department
Department of Petroleum Technology
Aditya Engineering College
SURAMPALEM-533 437