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 Mining Engineering
Employer Feedback on Curriculum

Employer Feedback Analysis **(2019- 2020)** for the B. Tech **(Mining 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	46	14	8	4	Excellent & good	74%
2	There is adequate emphasis on employability skills/ skill development/entrepreneurship in the curriculum	22	54	14	7	3	Excellent & good	76%
3	The electives offered in the curriculum suits the industry needs and technological advancements.	18	52	18	10	2	Excellent & good	70%

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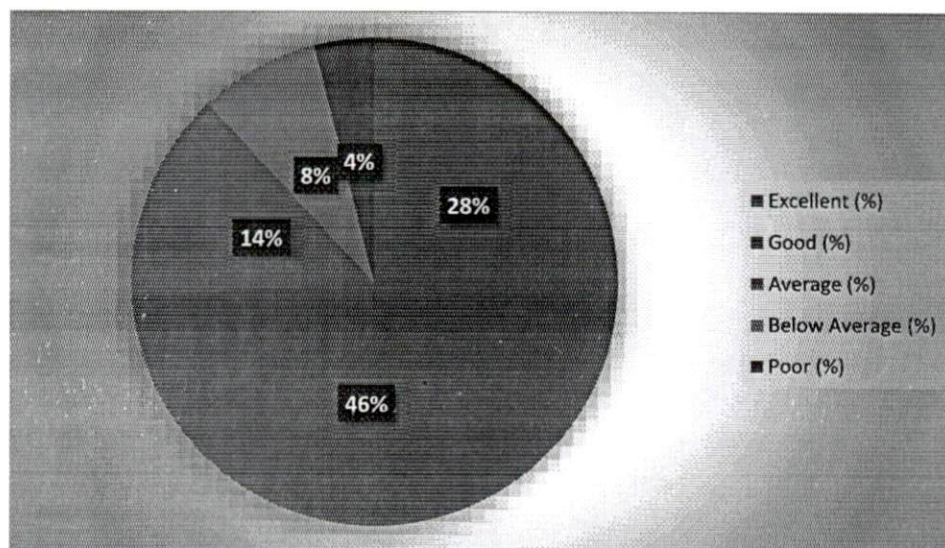
1. **Curriculum is contemporary and need based**

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

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

Values: 22%, 3%, 7%, 14%, 54%

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

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

Values: 18%, 2%, 10%, 18%, 52%
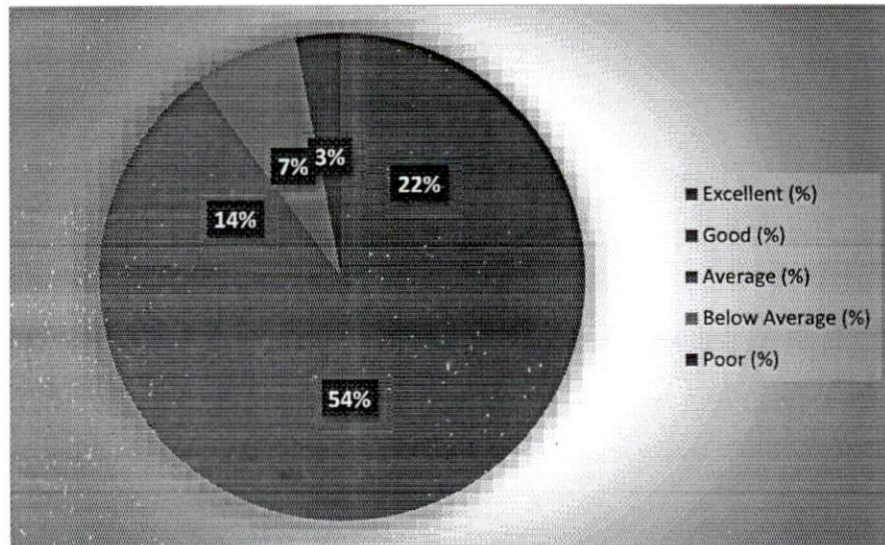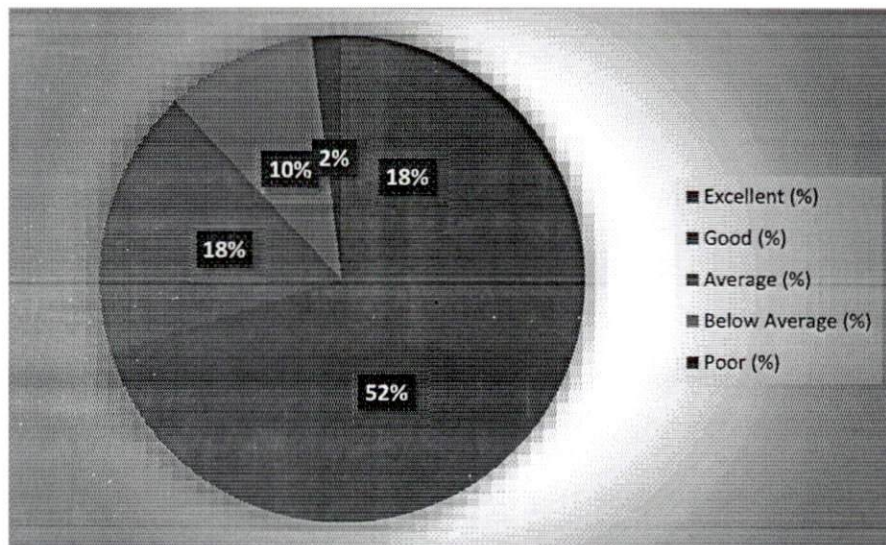
Suggest any courses to be added to /removed from the curriculum

1. Geo-statistics.
2. Remote Sensing and GIS
3. Mine Systems Engineering

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

1. Skills in geo graphic mapping
2. Practical skills about new technology
3. Output managing skills

Any other suggestions on Curriculum

1. Add courses that help in learning about remote sensing
2. Suggested to add some Modern mining techniques.
3. Suggested to add some courses related to modern developments in mining.

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

1. The mining industry is moving towards sustainability, closure and restoration of the mining areas so students should be aware of these things.
2. The mining student should have knowledge about geo graphic mapping and remote sensing which plays an important role in detecting different types of ores.
3. The Mining students should have proper knowledge of modern surface mining techniques and advance methods used in it.

Head of the Department
Head of the Department
DEPARTMENT OF MINING ENGINEERING
ADITYA ENGINEERING COLLEGE (A9)

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Department of Mining Engineering

Alumni Feedback on Curriculum

Alumni Feedback Analysis **(2019- 2020)** for the **B. Tech (Mining 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	23	56	11	8	2	Excellent & good	79%
2	There is adequate emphasis on employability skills/ skill development/entrepreneurship in the curriculum	30	48	12	7	3	Excellent & good	78%
3	The electives offered in the curriculum suits the industry needs and technological advancements.	29	52	8	7	4	Excellent & good	81%

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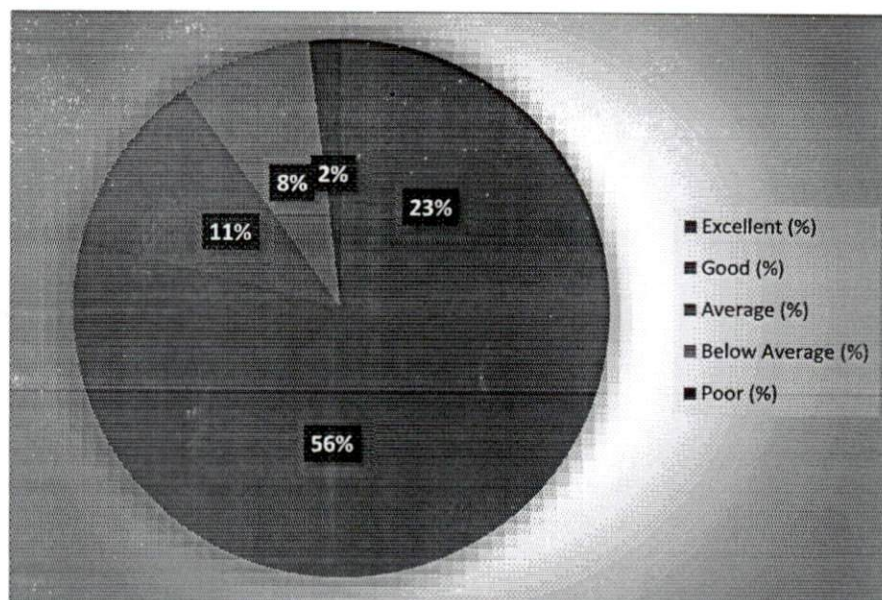
1. **Curriculum is contemporary and need based**

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

Legend
■ Excellent (%)
■ Good (%)
■ Average (%)
■ Below Average (%)
■ Poor (%)

Values shown: 3%, 7%, 12%, 30%, 48%

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

Legend
■ Excellent (%)
■ Good (%)
■ Average (%)
■ Below Average (%)
■ Poor (%)

Values shown: 4%, 7%, 8%, 29%, 52%
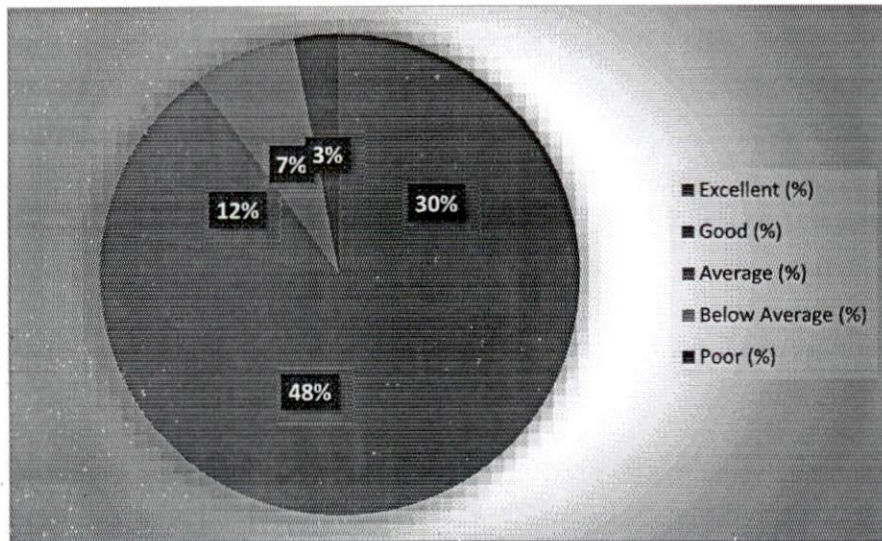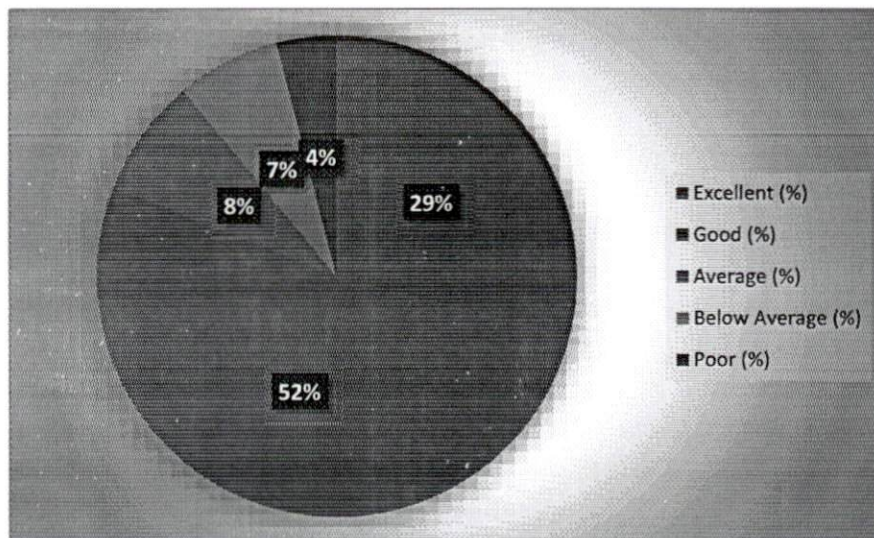
Suggest any courses to be added to /removed from the curriculum

1. College needs to provide more industrial visits for students
2. Advanced Underground Metal Mining Technology
3. Mine Management

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

1. Man management skills.
2. Modern technology in mines
3. Communication skills

Give any other suggestions for improving the Curriculum

1. Need to add some more concepts in mine gases.
2. Mine environmental aspects in underground mines
3. More industrial visits required

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

1. Students should be responsible for handling of the man power in the mines. So, they should develop managerial skills in them.
2. Students should be aware of different environmental aspect of mining in the mining.
3. Students should have real knowledge of mining field so time to time industry visit should be included in the curriculum.

Signature of the HOD

Head of the Department
DEPARTMENT OF MINING ENGINEERING
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Department of Mining Engineering

Teacher Feedback on Curriculum

Teacher Feedback Analysis **(2019- 2020)** for the B. Tech **(Mining 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	32	53	9	4	2	Excellent & good	85%
2	The Program Educational Objectives, Program outcomes, Program Specific Outcomes, Course Objectives and Course Outcomes are well defined and clear.	31	55	10	3	1	Excellent & good	86%
3	Curriculum has good balance of Theory and Practical courses.	29	58	7	4	2	Excellent & good	87%
4	Faculty have the freedom to adopt new techniques for teaching like seminars, presentations, group discussions, flip class room etc.	32	56	8	2	2	Excellent & good	88%
5	The hands on experience gained by the students through the laboratory courses is up to the expectations.	32	56	8	2	2	Excellent & good	88%
6	The students attain the PEOs, POs, PSOs and COs satisfactorily.	30	56	10	2	2	Excellent & good	86%
7	There is adequate emphasis on employability skills/ skill development/entrepreneurship in the curriculum.	31	56	9	3	1	Excellent & good	87%
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.	29	58	7	4	2	Excellent & good	87%
10	The curriculum has sufficient number of electives.	32	53	8	5	2	Excellent & good	85%

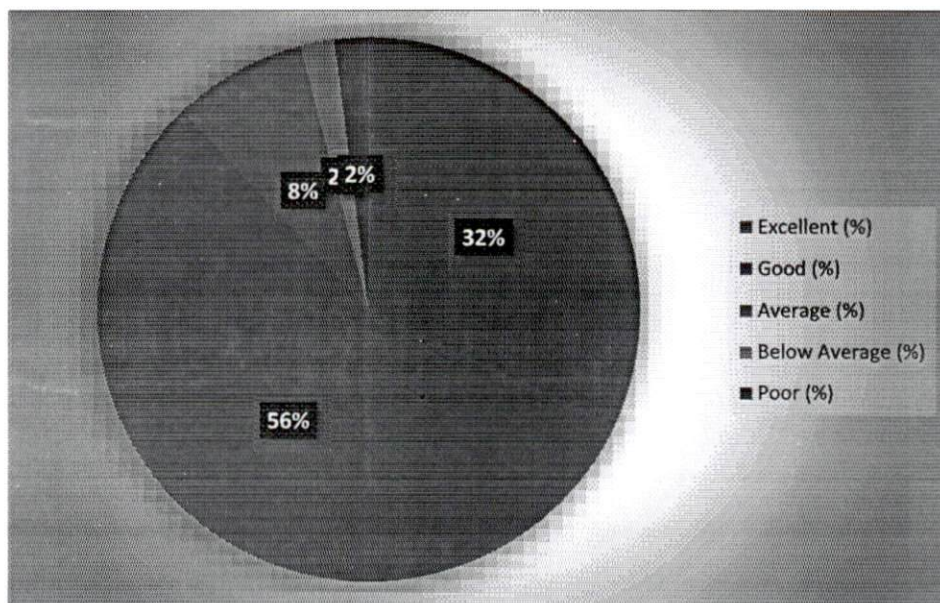|								
11	The electives offered in the curriculum suits the industry needs and technological advancements.	29	58	7	4	2	Excellent & good	87%
12	The books prescribed/listed as reference in curriculum are relevant, appropriate and updated.	22	65	9	2	2	Excellent & good	87%
13	The rubrics for assessment is described clearly and there is adequate weightage for Continuous Internal Evaluation and Semester End Examination	28	59	8	3	2	Excellent & good	87%

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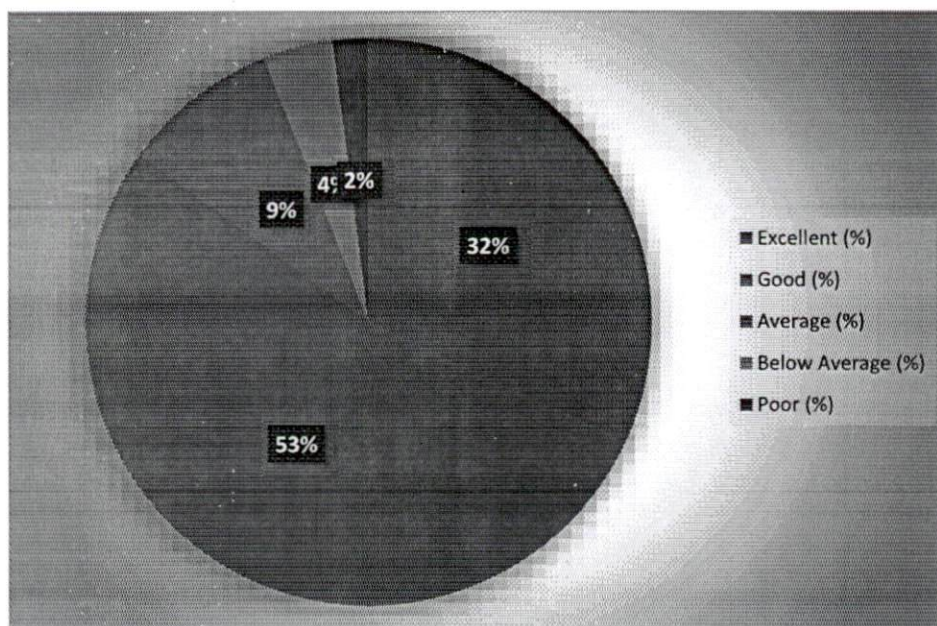
1. Curriculum is contemporary and need based

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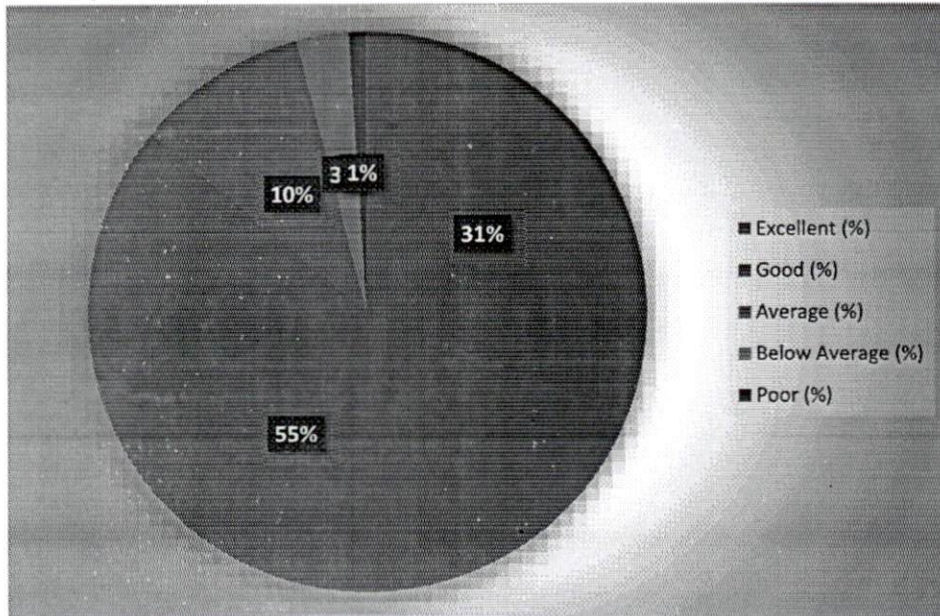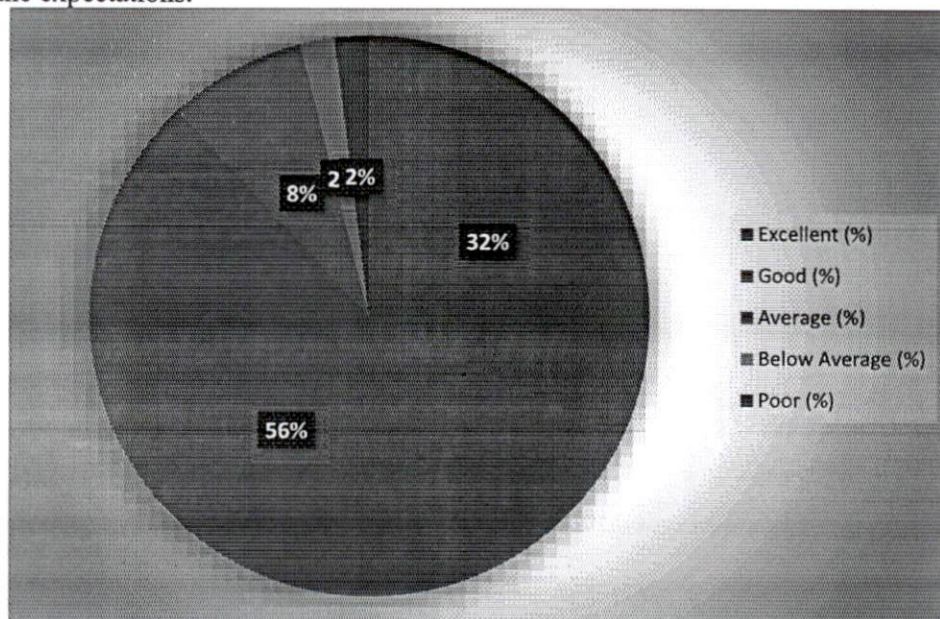

3. Curriculum has good balance of Theory and Practical courses.
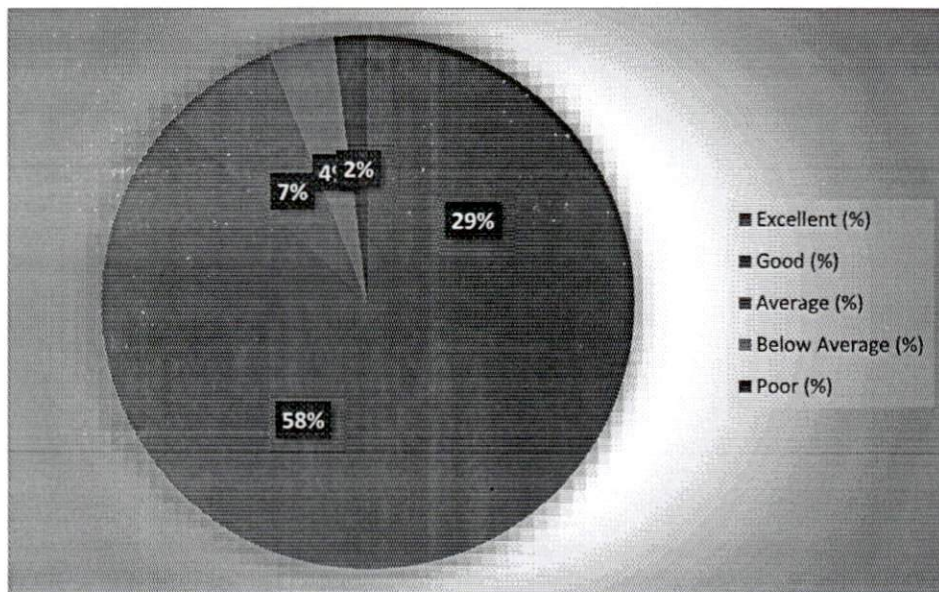
4. Faculty have the freedom to adopt new techniques for teaching like seminars, presentations, group discussions, flip class room etc.
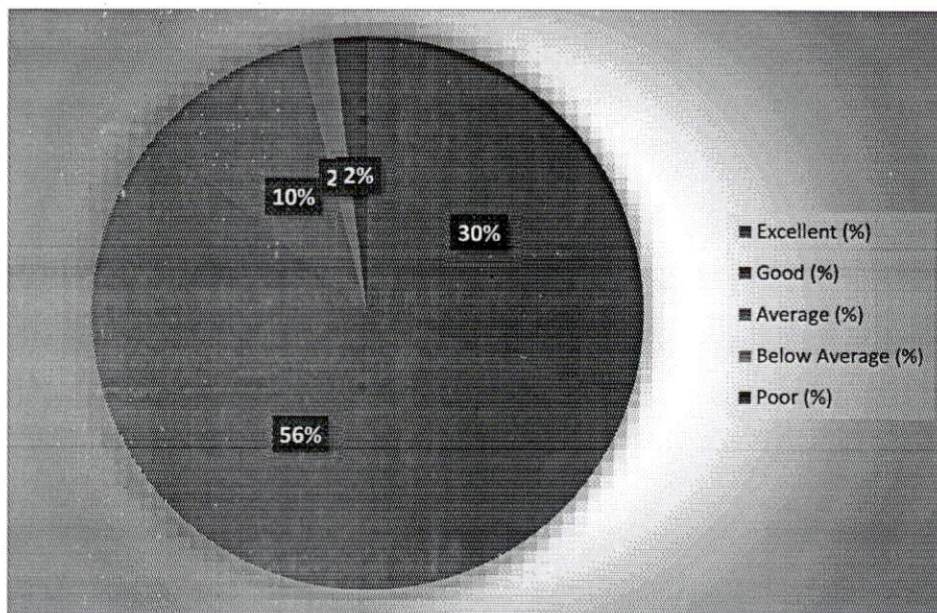

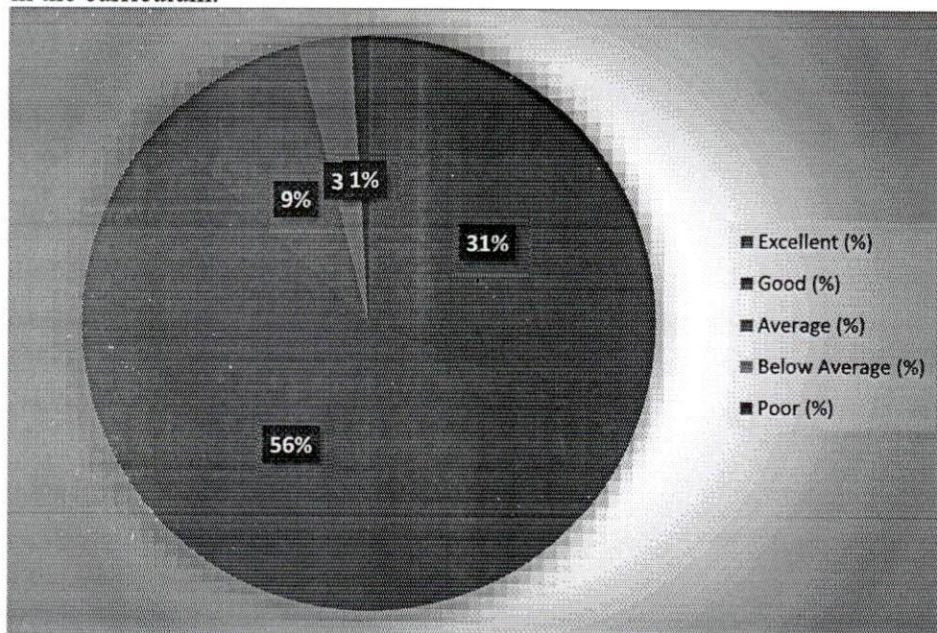5. The hands on experience gained by the students through the laboratory courses is up to the expectations.

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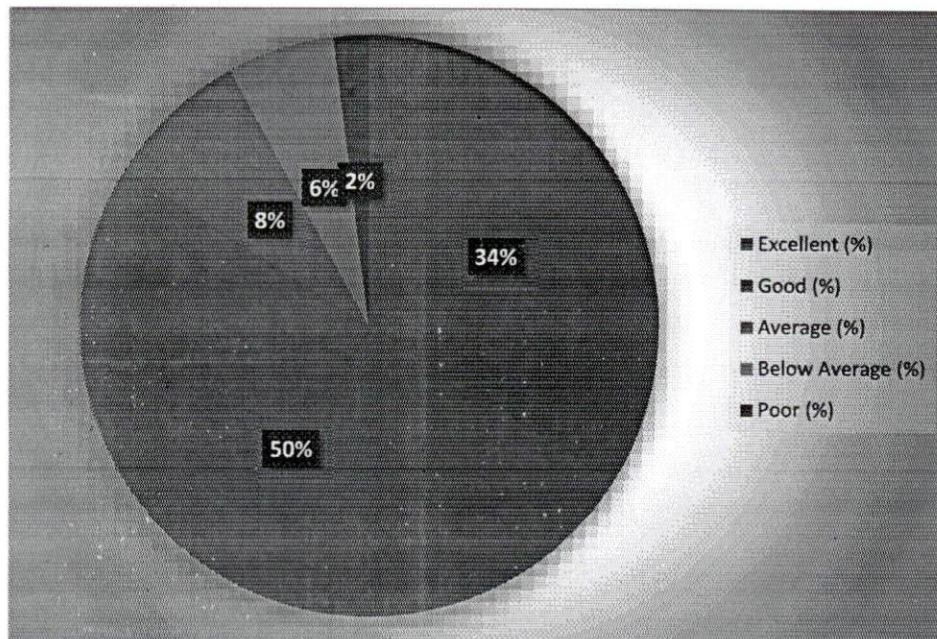

Legend:
- Excellent (%)
- Good (%)
- Average (%)
- Below Average (%)
- Poor (%)

Values: 2 2%, 10%, 30%, 56%

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

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

Values: 3 1%, 9%, 31%, 56%

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

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

Values shown: 2%, 6%, 8%, 34%, 50%

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

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

Values shown: 2%, 4%, 7%, 29%, 58%
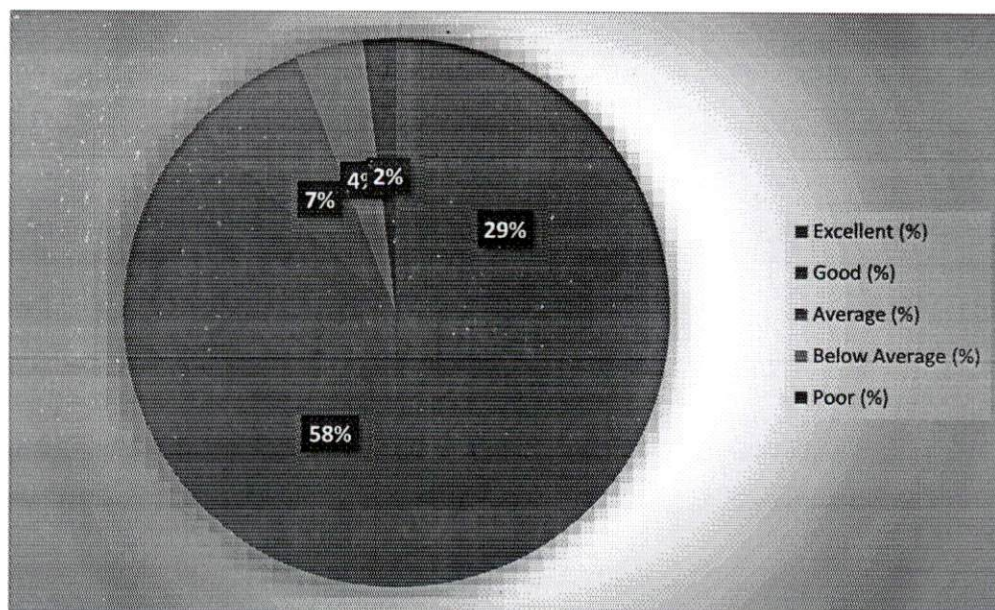
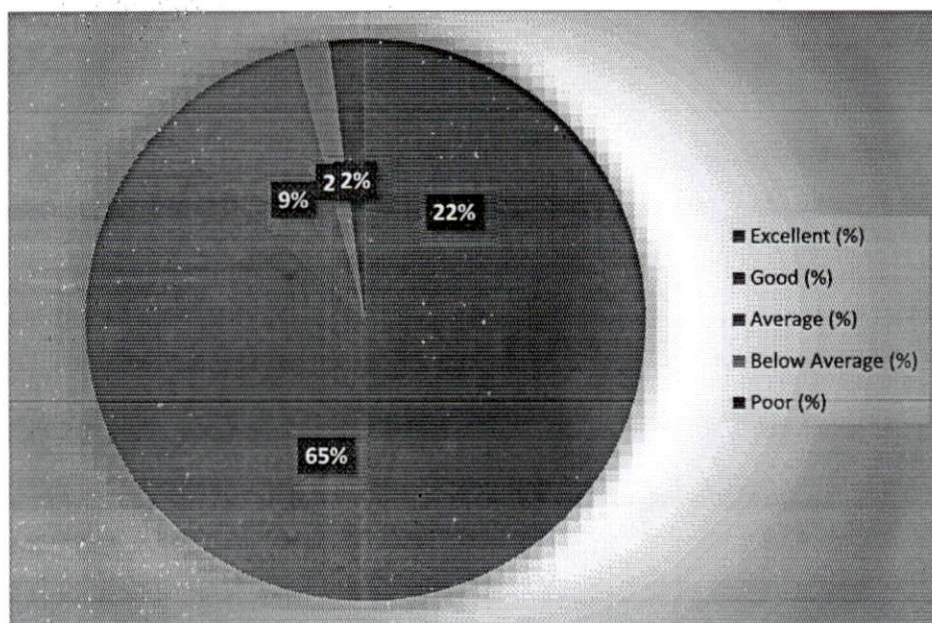10. The curriculum has sufficient number of electives.

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.

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

Values: 2 2% 9% 22% 65%

13. The rubrics for assessment is described clearly and there is adequate weightage for Continuous Internal Evaluation and Semester End Examination.

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

Values: 3 2% 8% 28% 59%
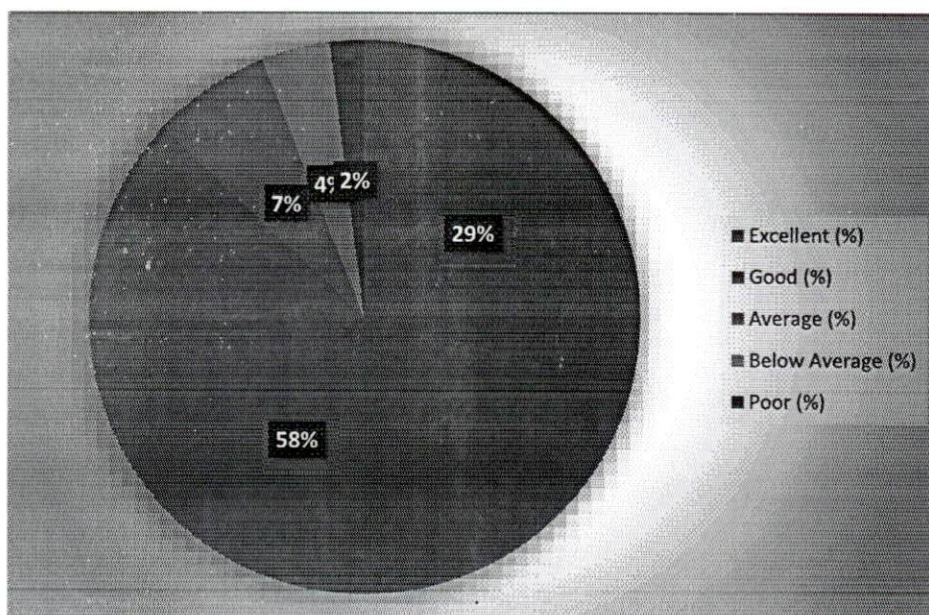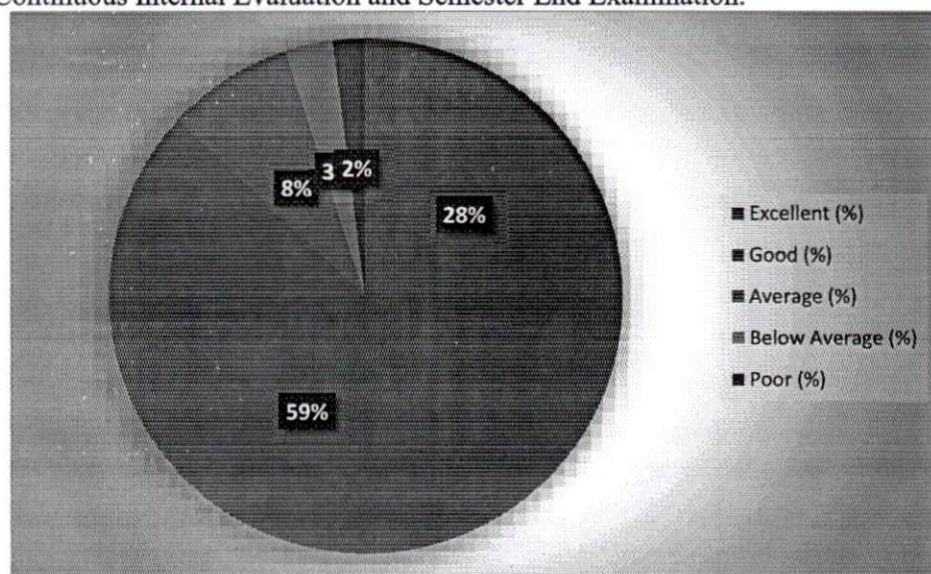
Give suggestions for improving the Curriculum

1. Curriculum is good, project internships and case studies may add value to the B.Tech program.

2. Importance should be given to the topics that are application oriented.

3. I suggest to add some more recent advancements in the mining industry.

4. The number of credits per semester was reduced because of which many of the core subjects were compressed.

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

1. The syllabus needs few rectifications as the few subjects are not including the automation and new needs of the mining world.

2. Students should be aware of new sampling and geostatistical approach for collection of sample in the mining field.

3. Students should be more exposed to the real time problems of the mining industry.

Head of the Department
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Department of Mining Engineering

Student Feedback on Curriculum

Student Feedback Analysis **(2019- 2020)** for the B. Tech **(Mining Engineering)** Program.

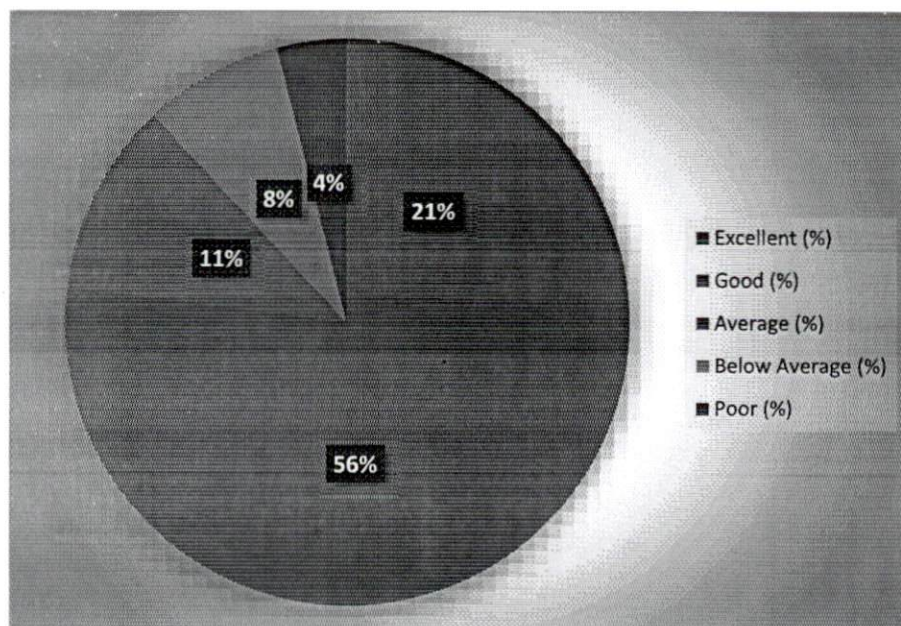| S. NO	Question related to Curriculum	Opinion of the Students with Percentage					Majority opinion	% of Majority Opinion
		Excellent (%)	Good (%)	Average (%)	Below Average (%)	Poor (%)		
1	Curriculum is contemporary and need based	26	49	11	9	5	Excellent & good	75%
2	Curriculum has good balance of Theory and Practical courses	21	56	11	8	4	Excellent & good	77%
3	The curriculum has sufficient number of electives	23	55	10	8	4	Excellent & good	78%
4	There is adequate emphasis on employability skills / skill development/entrepreneurship in the curriculum.	21	59	9	9	2	Excellent & good	80%
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.	20	58	15	5	2	Excellent & good	78%
7	The electives offered in the curriculum suits the industry needs and technological advancements.	19	59	11	7	4	Excellent & good	78%
8	The books prescribed/listed as reference in curriculum are relevant, appropriate and updated.	22	59	10	7	2	Excellent & good	81%
9	The Program Educational Objectives, Program outcomes, Program Specific Outcomes, Course Objectives and Course Outcomes are well defined and clear.	23	60	10	5	2	Excellent & good	83%
10	The rubrics for assessment is described clearly and there is adequate weightage for Continuous Internal Evaluation and Semester End Examination.	20	60	10	8	2	Excellent & good	80%

Graphical representation of Students feedback on curriculum
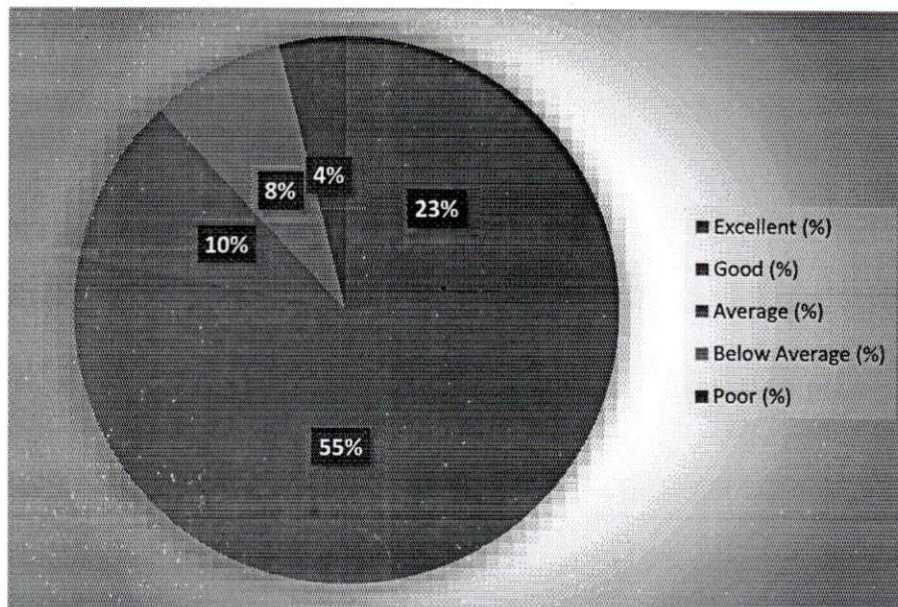
1. Curriculum is contemporary and need based
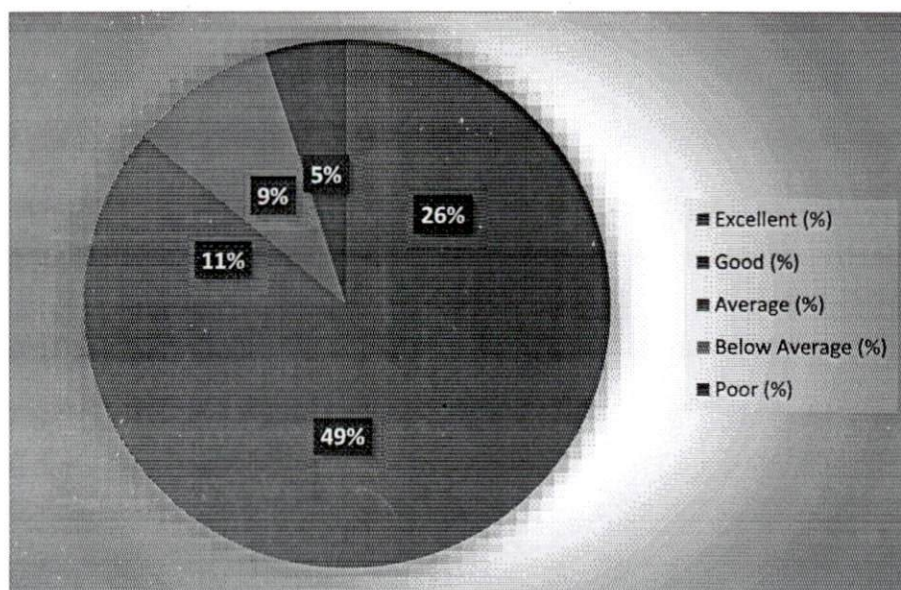
2. Curriculum has good balance of Theory and Practical courses.

3. The curriculum has sufficient number of electives

Pie chart data:
- 4%
- 8%
- 10%
- 23%
- 55%

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

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

Pie chart data:
- 2%
- 9%
- 9%
- 21%
- 59%

Legend:
- Excellent (%)
- Good (%)
- Average (%)
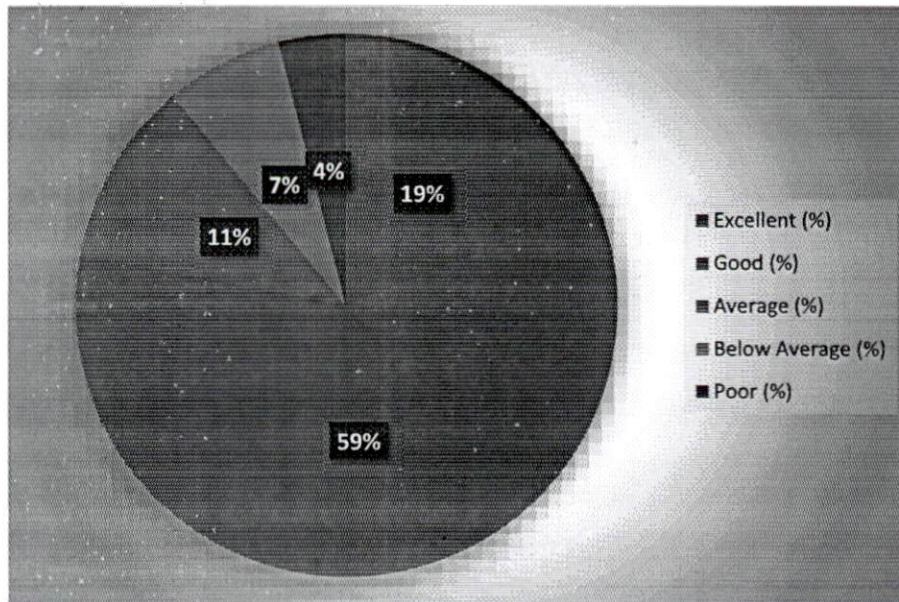- Below Average (%)
- Poor (%)
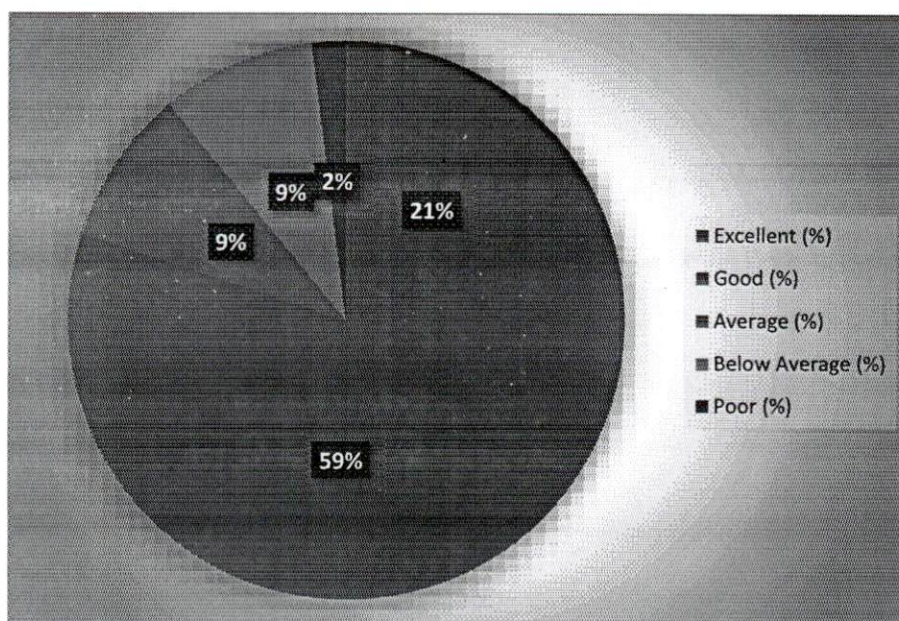
5. There is adequate emphasis on Communication Skills in the Curriculum.
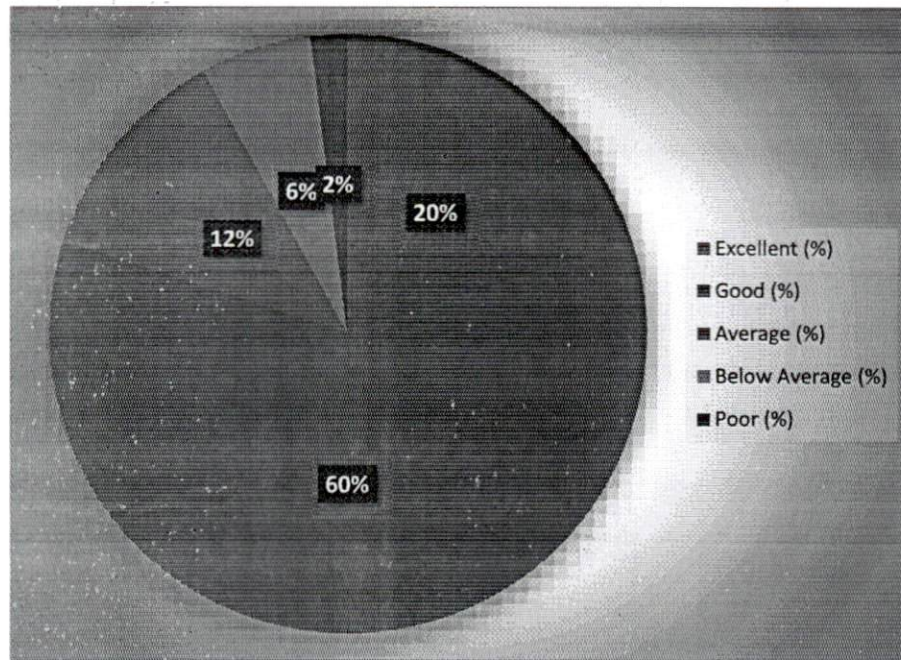
6. There is adequate emphasis on Human Values, ethics and Professionalism in the Curriculum.

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


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

Values: 19%, 59%, 11%, 7%, 4%

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

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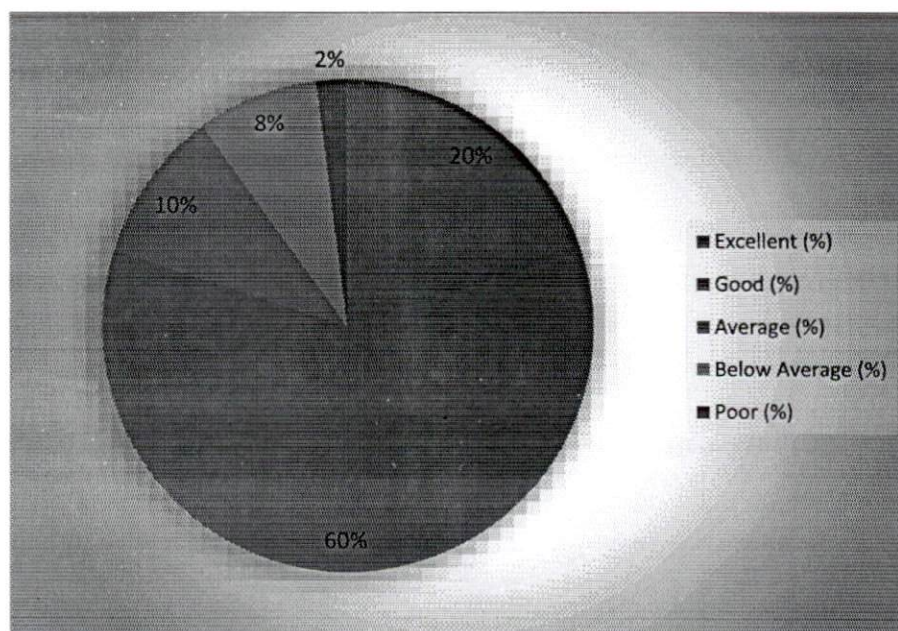- Poor (%)

Values: 22%, 59%, 10%, 7%, 2%
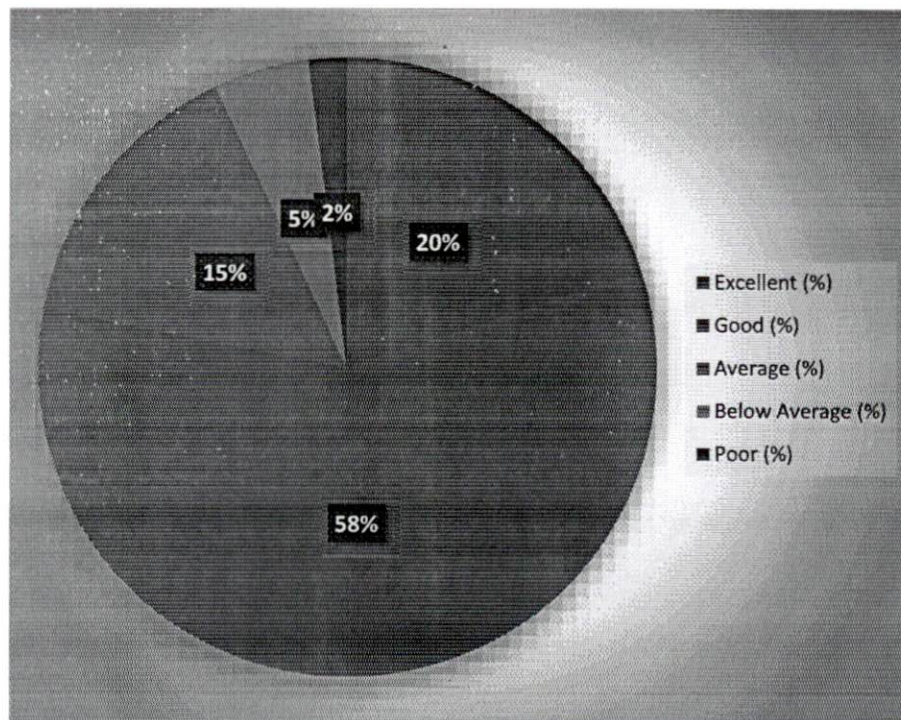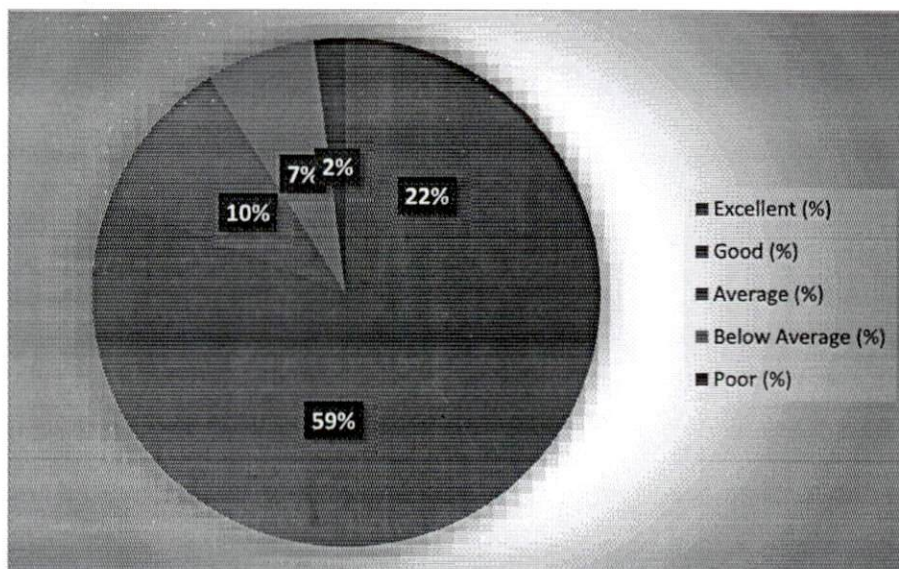
9. The Program Educational Objectives, Program outcomes, Program Specific Outcomes, Course Objectives and Course Outcomes are well defined and clear.
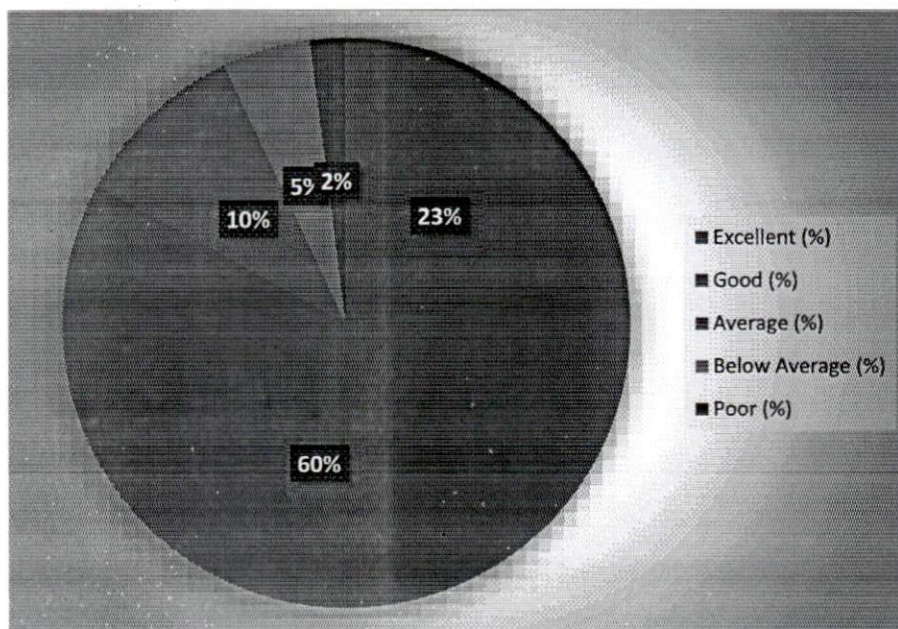
10. The rubrics for assessment is described clearly and there is adequate weightage for Continuous Internal Evaluation and Semester End Examination.

Give your suggestions for improving the curriculum

1. More industrial tours required.
2. More practicals required to understand the concepts.
3. Labs needed to improve English proficiency.

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

1. Students should be allowed for internship and industrial visit
2. Sports culture should be developed in the college and proper timing should be given to it.
3. Students should be aware of modern design prospects of a mine.

Head of the Department
Head of the Department
DEPARTMENT OF MINING ENGINEERING
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