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 ELECTRICAL AND ELECTRONICS ENGINEERING

Alumni Feedback on curriculum

Alumni Feedback Analysis **(2020-2021)** for the **B. Tech (Electrical and Electronics 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	43	27	3	5	Excellent & good	65%
2	There is adequate emphasis on employability skills/ skill development/entrepreneurship in the curriculum	26	40	17	10	7	Excellent & good	66%
3	The electives offered in the curriculum suits the industry needs and technological advancements.	20	48	18	9	5	Excellent & good	68%

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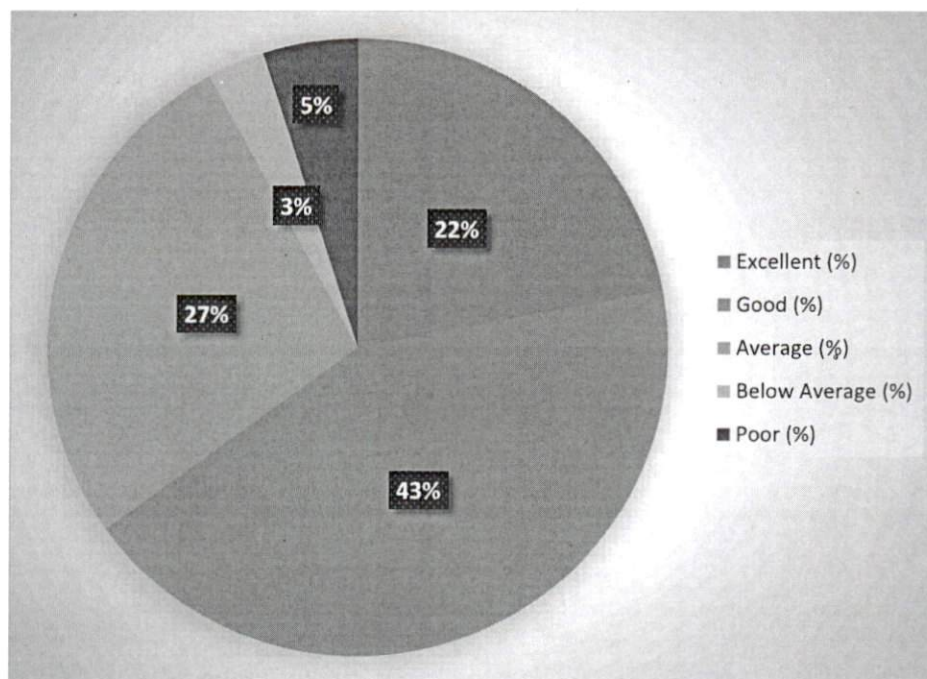
1. Curriculum is contemporary and need based

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

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

Values shown: 26%, 40%, 17%, 10%, 7%

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

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

Values shown: 20%, 48%, 18%, 9%, 5%
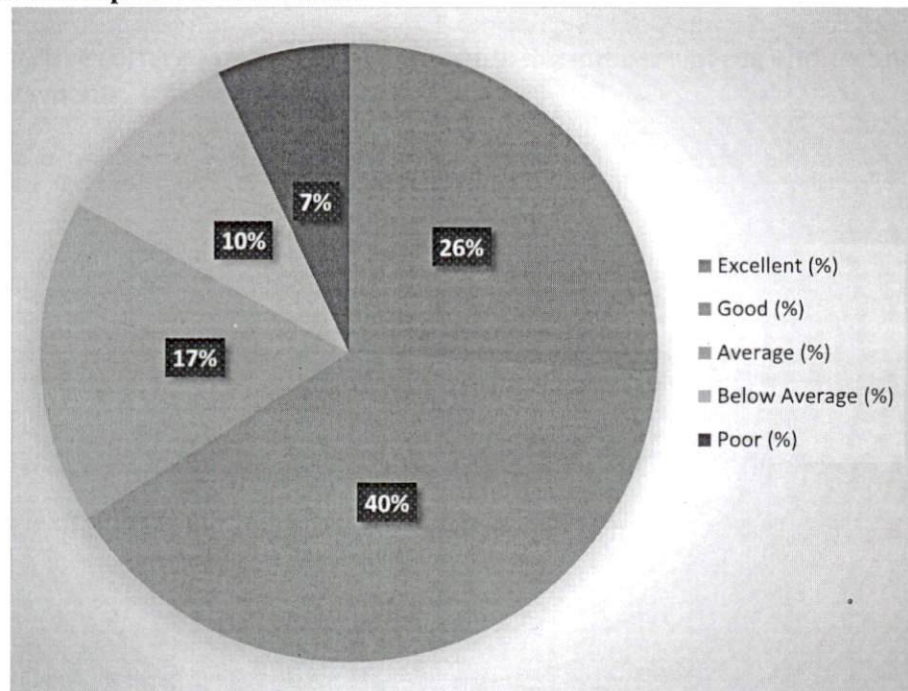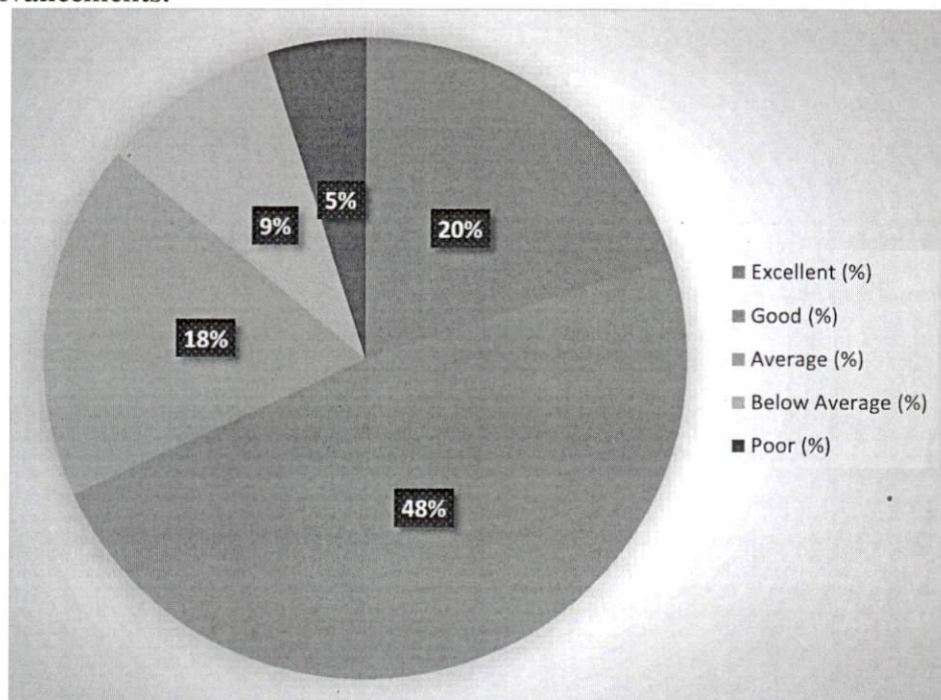
Suggest any courses to be added to /removed from the curriculum
1. Course structure is to be modified with some practical oriented knowledge.
2. Power quality and FACTS syllabus is to be reduced.
3. Recent trends on fuzzy logic is to be added.

Suggest any new topics/technologies/tools/modules to be learned by students to make them industry- ready
1. Software industry related coding subjects like Applications of Artificial intelligence to Electrical Engineering and Python Programming are to added.
2. Topics on dual converters is to be included.
3. Real-time technological applications are to be considered.

Give any other suggestions for improving the Curriculum
1. More focus on campus placement related courses are considered.
2. Courses on Non Renewable energy sources is to be modified.
3. Courses are to be framed in such a way that student should gain both theoretical and practical knowledge in parallel.

The following are observations on Alumni feedback and action need to be initiated:
1. Course structure of some subjects are to be modified in such a way student can gain more knowledge.
2. The course content of "Power quality and FACTS" in AR19 is vast and is to be reduced.
3. The courses of "Applications of Artificial intelligence to Electrical Engineering and Python Programming" are to be offered to the students that shares the knowledge of coding in electrical applications

Program Coordinator

Head of the Department
Head of The Department
Dept: Of Electrical & Electronics Engineering
Aditya Engineering College (A9)

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## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Employer Feedback on curriculum

Employer Feedback Analysis **(2020-2021)** for the B. Tech **(Electrical and Electronics 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	20	45	25	5	5	Excellent & good	65%
2	There is adequate emphasis on employability skills/ skill development/entrepreneurship in the curriculum	18	47	23	7	5	Excellent & good	65%
3	The electives offered in the curriculum suits the industry needs and technological advancements.	22	44	20	9	5	Excellent & good	66%

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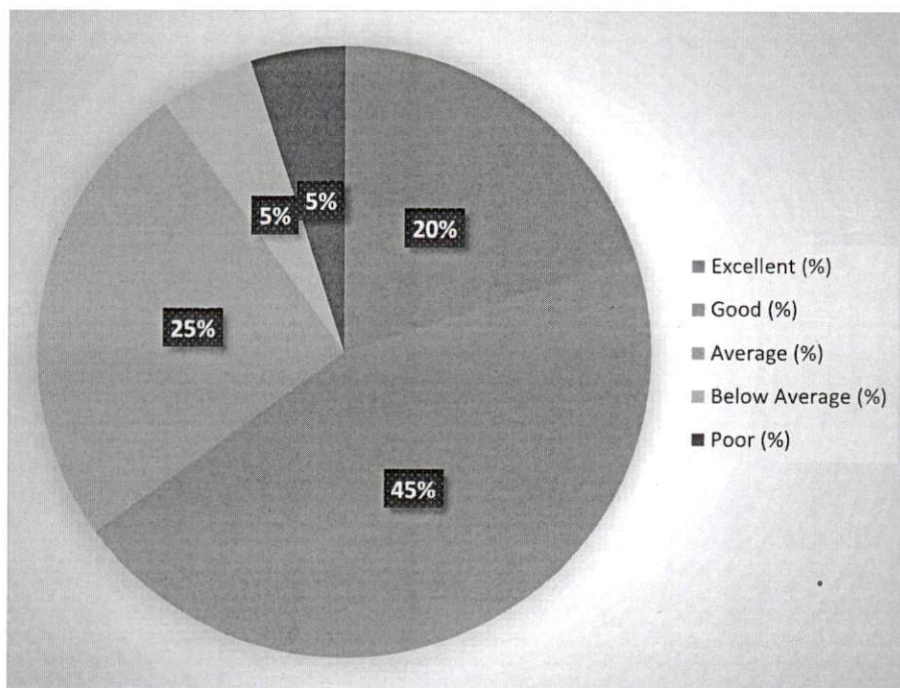
1. **Curriculum is contemporary and need based**

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

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

Values shown: 18%, 47%, 23%, 7%, 5%

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

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

Values shown: 22%, 44%, 20%, 9%, 5%
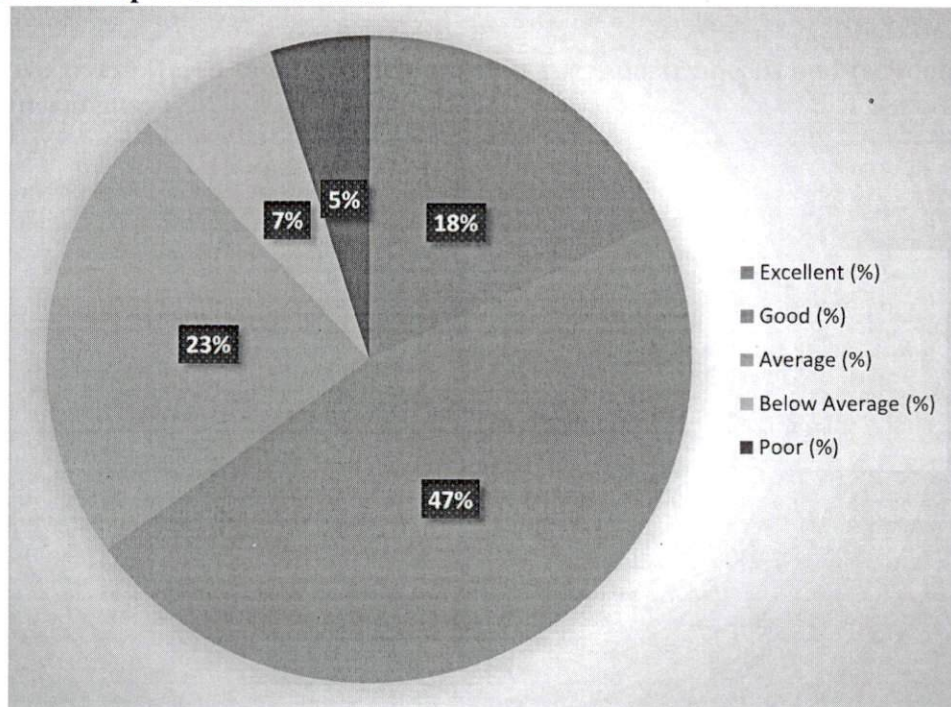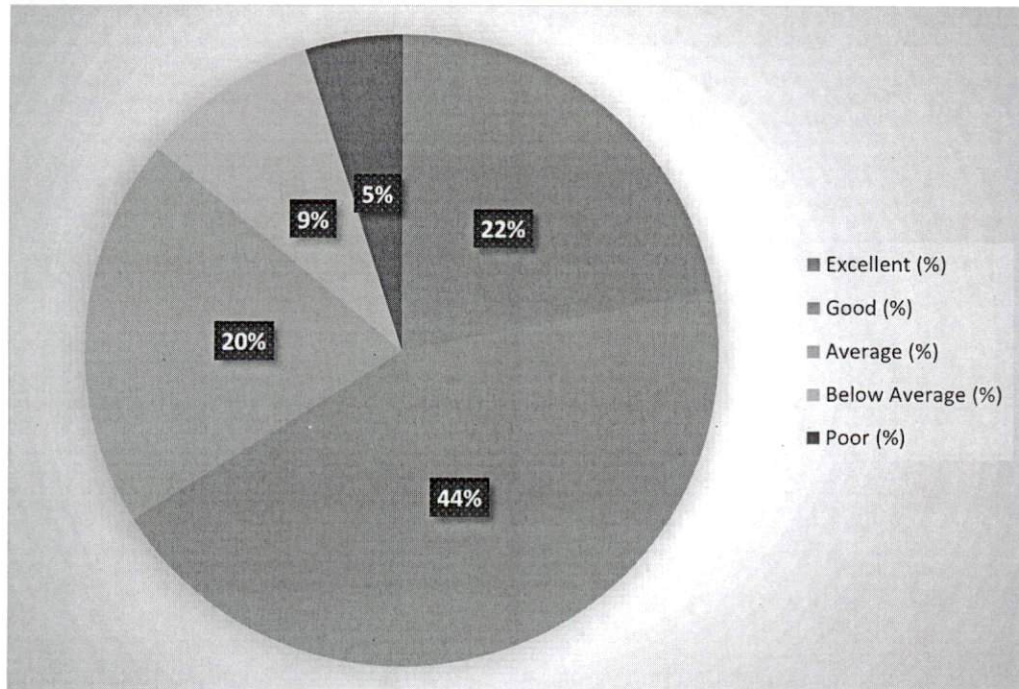
Suggest any courses to be added to /removed from the curriculum

1. Topics on electric vehicles is to be included in the curriculum.
2. The basics of choppers in power electronics course is to be removed from the curriculum.
3. Topics like fuel cell and ocean energy are to be removed from non-conventional energy sources course.

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

1. Students should have a brief idea of working and construction of current and potential transformers.
2. The course PLC is to be needed for the students to gain a job on core side.
3. Brief description on the concept of electric vehicles is to be added.

Any other suggestions on Curriculum

1. Soft computing techniques are to be added in the curriculum.
2. Concept of power system stabilizers is to be removed.
3. Thrust areas like battery management system and machine learning is to be offered for the systems.

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

1. As electrical vehicles are a trendy topic in the coming years. Students are encouraged to know about the Electric Vehicles.
2. The importance is step up and step down of voltage and current is gaining importance in industry sector. The concept of instrumentation transformers (CT, PT) are to be included in the power systems of AR20.
3. The course "MAX DNA" should be considered in the place id "PLC" for the industry oriented jobs

Program Coordinator

Head of the Department
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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Teacher Feedback on curriculum

Teacher Feedback Analysis **(2020-2021)** for the B. Tech **(Electrical and Electronics Engineering)** program.
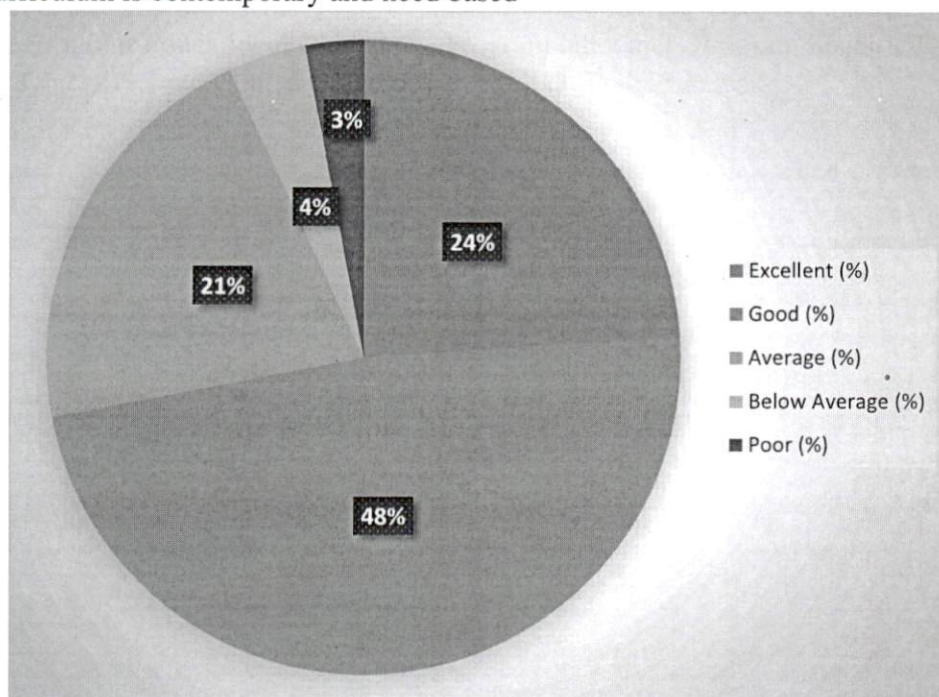
S. NO	Question related to Curriculum	Opinion of the Teacher with percentage					Majority opinion	% of Majority Opinion
		Excellent (%)	Good (%)	Average (%)	Below Average (%)	Poor (%)		
1	Curriculum is contemporary and need based	24	48	21	4	3	Excellent & good	72%
2	The Program Educational Objectives, Program outcomes, Program Specific Outcomes, Course Objectives and Course Outcomes are well defined and clear.	22	51	19	6	2	Excellent & good	73%
3	Curriculum has good balance of Theory and Practical courses.	18	56	12	10	4	Excellent & good	74%
4	Faculty have the freedom to adopt new techniques for teaching like seminars, presentations, group discussions, flip class room etc.	23	48	18	7	4	Excellent & good	71%
5	The hands on experience gained by the students through the laboratory courses is up to the expectations.	20	50	10	11	9	Excellent & good	70%
6	The students attain the PEOs, POs, PSOs and COs satisfactorily.	19	52	17	7	5	Excellent & good	71%
7	There is adequate emphasis on employability skills/	23	47	12	13	5	Excellent & good	70%

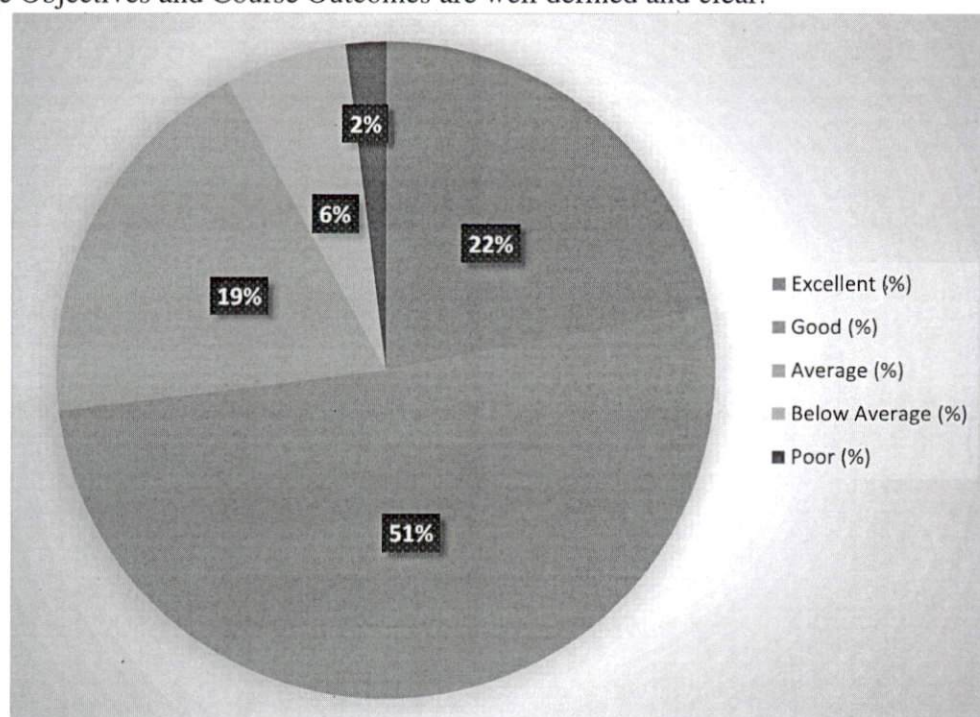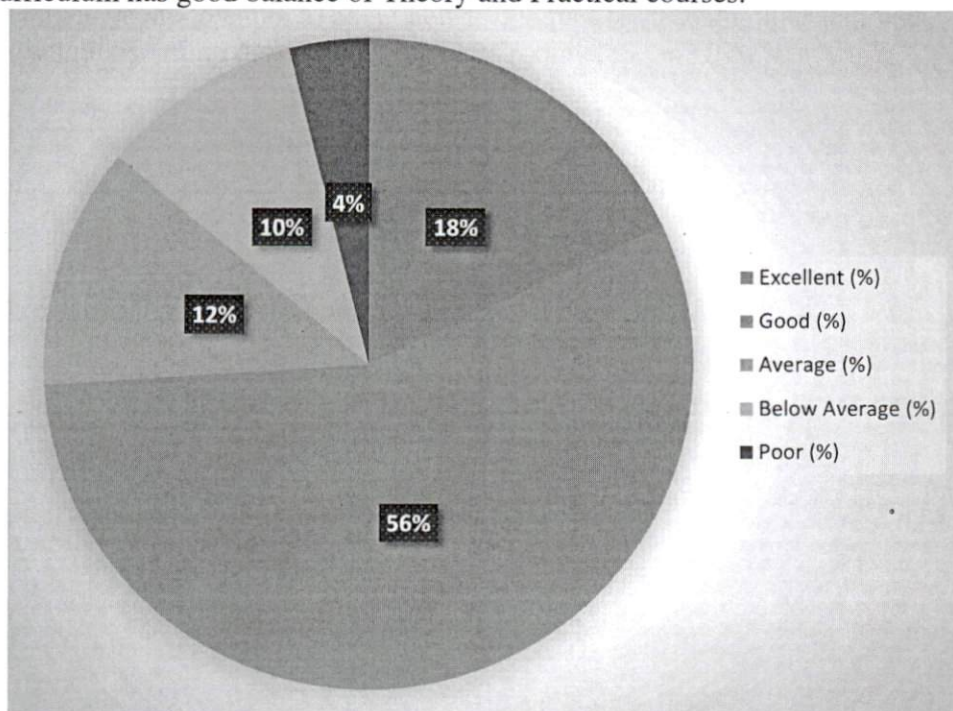|							
	skill development/entrepreneurship in the curriculum.						
8	There is adequate emphasis on Communication Skills in the Curriculum	18	50	16	10	6	Excellent & good	68%
9	There is adequate emphasis on Human Values, ethics and Professionalism in the Curriculum.	25	41	12	12	8	Excellent & good	67%
10	The curriculum has sufficient number of electives.	19	51	12	12	6	Excellent & good	70%
11	The electives offered in the curriculum suits the industry needs and technological advancements.	21	50	12	11	6	Excellent & good	71%
12	The books prescribed/listed as reference in curriculum are relevant, appropriate and updated.	24	48	16	8	4	Excellent & good	72%
13	The rubrics for assessment is described clearly and there is adequate weightage for Continuous Internal Evaluation and Semester End Examination	17	55	20	7	1	Excellent & good	72%

Graphical representation of Teacher feedback on curriculum

1. Curriculum is contemporary and need based

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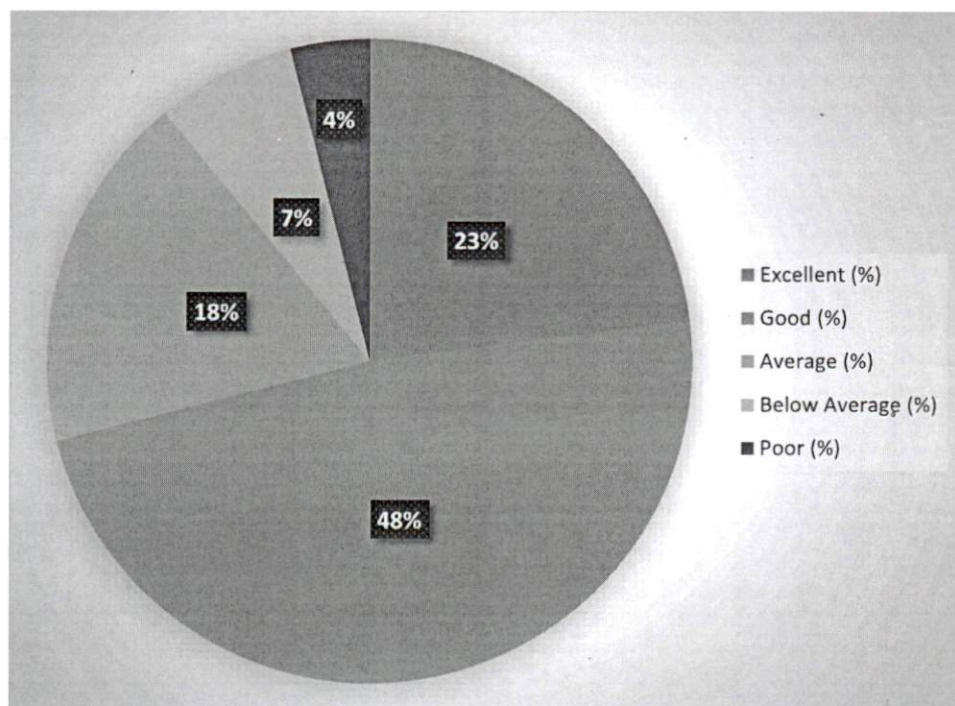- Below Average (%)
- Poor (%)

Values: 3%, 4%, 24%, 21%, 48%

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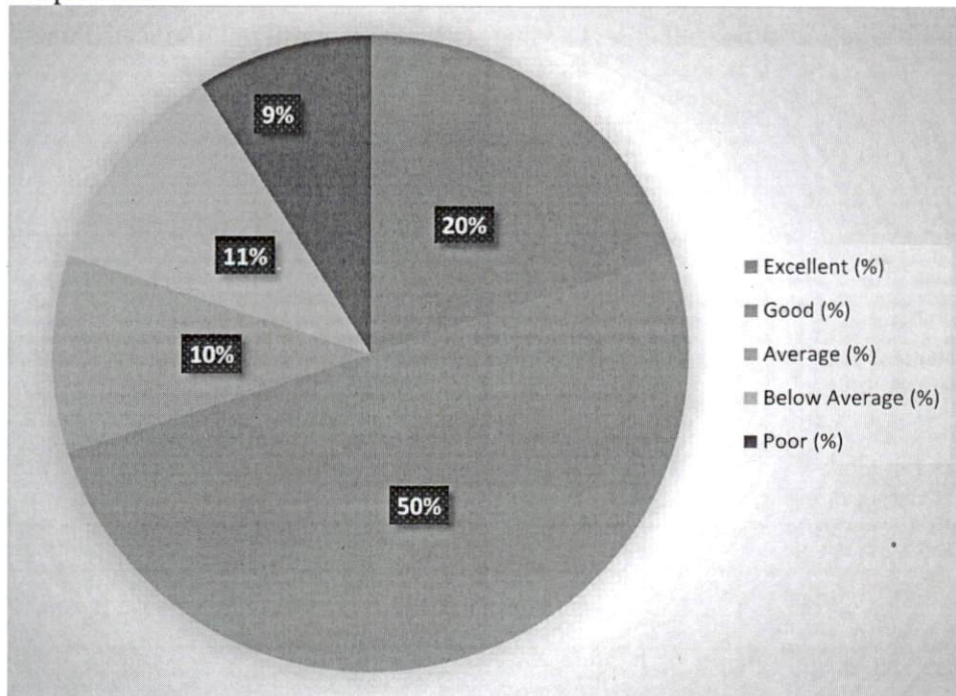

Legend:
- Excellent (%)
- Good (%)
- Average (%)
- Below Average (%)
- Poor (%)

Values: 2%, 6%, 22%, 19%, 51%

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

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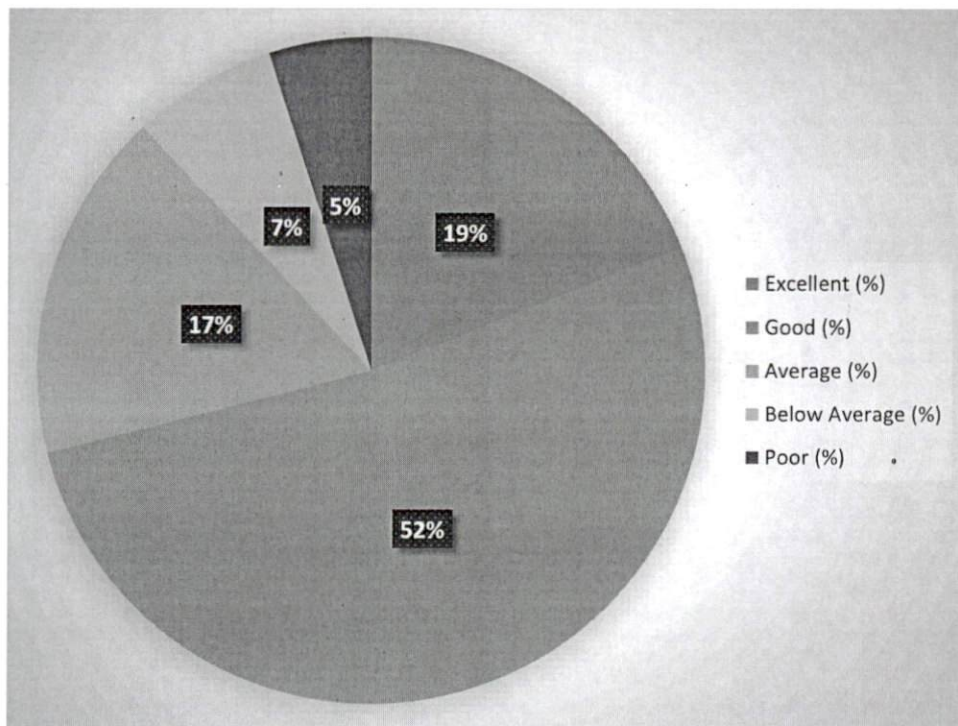- Below Average (%)
- Poor (%)

Values: 4%, 10%, 18%, 12%, 56%

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: 4%, 7%, 23%, 18%, 48%

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

Pie chart legend:
- Excellent (%)
- Good (%)
- Average (%)
- Below Average (%)
- Poor (%)

Values: 20%, 50%, 10%, 11%, 9%

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

Pie chart legend:
- Excellent (%)
- Good (%)
- Average (%)
- Below Average (%)
- Poor (%)

Values: 19%, 52%, 17%, 7%, 5%

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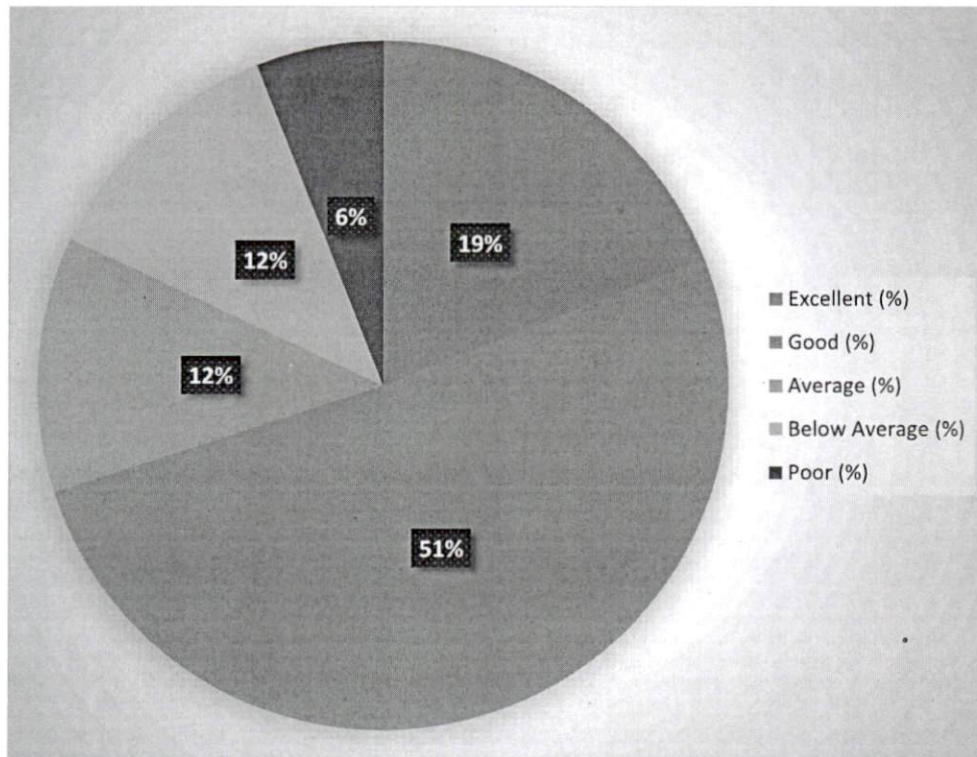

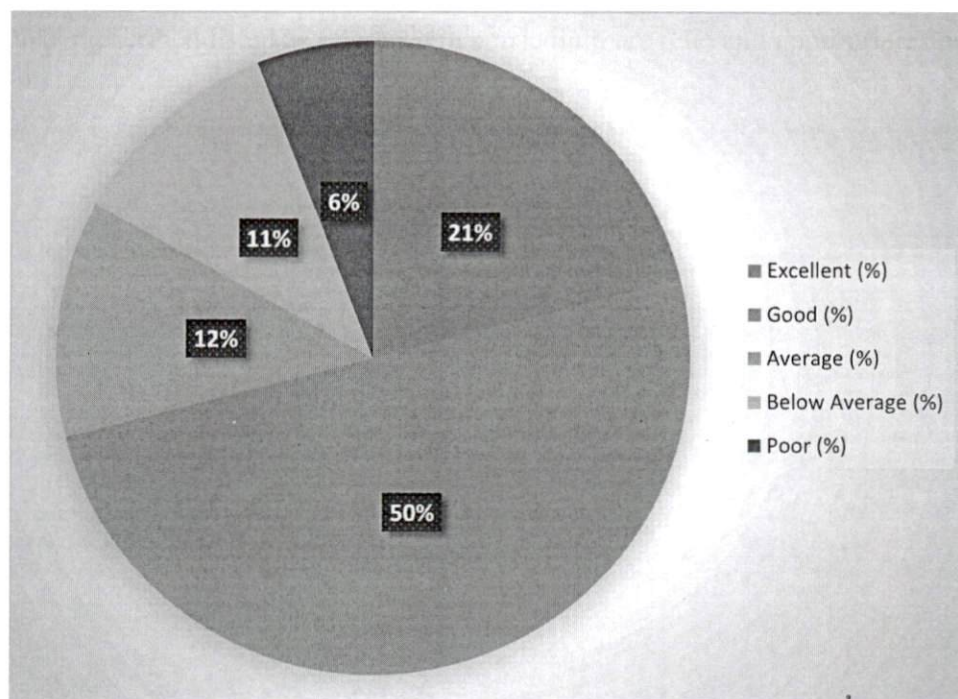8. There is adequate emphasis on Communication Skills in the Curriculum.

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

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

Values shown: 26%, 42%, 12%, 12%, 8%

10. The curriculum has sufficient number of electives.

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

Values shown: 19%, 51%, 12%, 12%, 6%

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

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

Values: 21%, 6%, 11%, 12%, 50%

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

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

Values: 24%, 4%, 8%, 16%, 48%
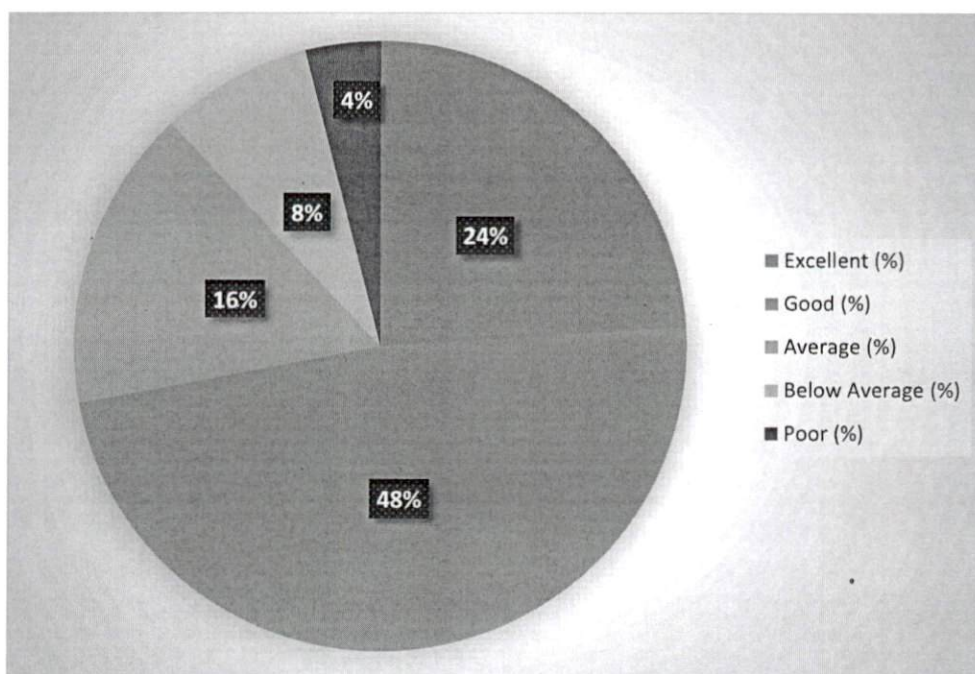
13. The rubrics for assessment is described clearly and there is adequate weightage for Continuous Internal Evaluation and Semester End Examination.
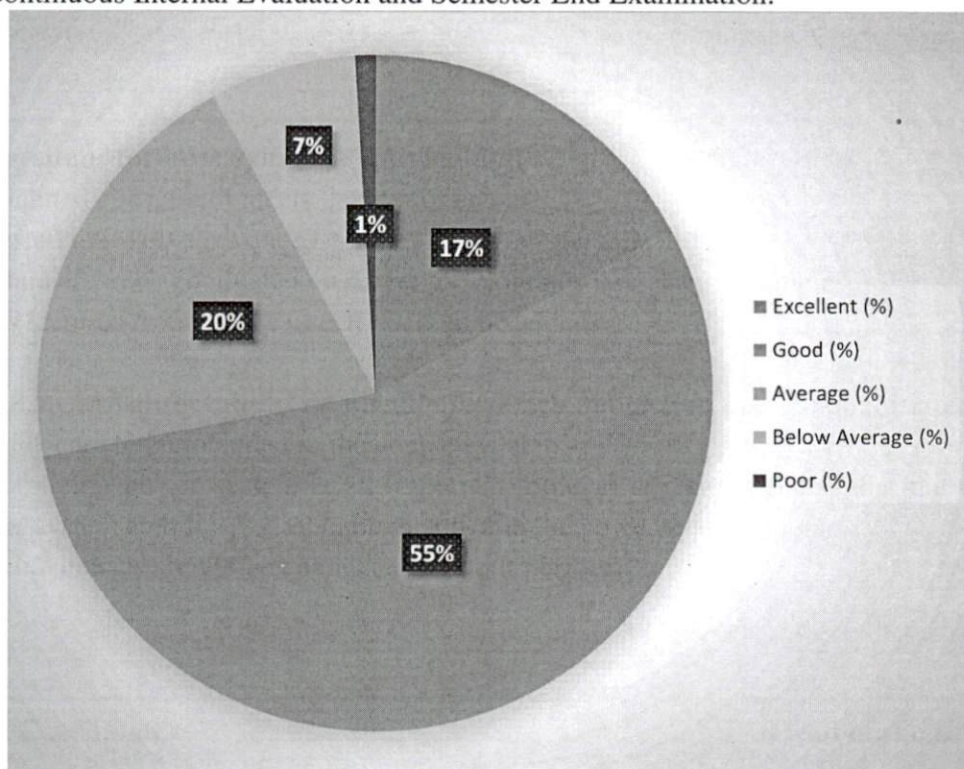
Give suggestions for improving the Curriculum
1. The planned curriculum meets the requirements.
2. Suggested to involve advanced courses based on specialization.
3. Seminars are to be conducted on recent technologies like electric vehicles
4. Guests lectures from industry sectors are to be added.

The following are observations on Faculty feedback and action need to be initiated:
1. Web links are to be included in the course syllabus
2. As stabilizing power system is an important topic, it is recommended that the concept of "power system stabilizer" should be included in the power system course
3. Remedial classes should be conducted for poor performers

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Student Feedback on curriculum

Student Feedback Analysis (2020-2021) for the B. Tech (Electrical and Electronics 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	24	48	21	4	3	Excellent & good	72%
2	Curriculum has good balance of Theory and Practical courses	21	50	20	6	3	Excellent & good	71%
3	The curriculum has sufficient number of electives	20	53	18	7	2	Excellent & good	73%
4	There is adequate emphasis on employability skills / skill development/entrepreneurship in the curriculum.	23	51	14	8	4	Excellent & good	74%
5	There is adequate emphasis on Communication Skills in the Curriculum.	25	45	17	9	4	Excellent & good	70%
6	There is adequate emphasis on Human Values, ethics and Professionalism in the Curriculum.	26	46	21	4	3	Excellent & good	72%
7	The electives offered in the curriculum suits the industry needs and technological advancements.	24	51	15	7	3	Excellent & good	75%
8	The books prescribed/listed as reference in curriculum are relevant, appropriate and updated.	22	52	17	8	2	Excellent & good	73%
9	The Program Educational Objectives, Program outcomes, Program Specific Outcomes, Course Objectives and Course Outcomes are well defined and clear.	20	53	20	4	3	Excellent & good	73%

10	The rubrics for assessment is described clearly and there is adequate weightage for Continuous Internal Evaluation and Semester End Examination.	27	47	15	8	3	Excellent & good	74%

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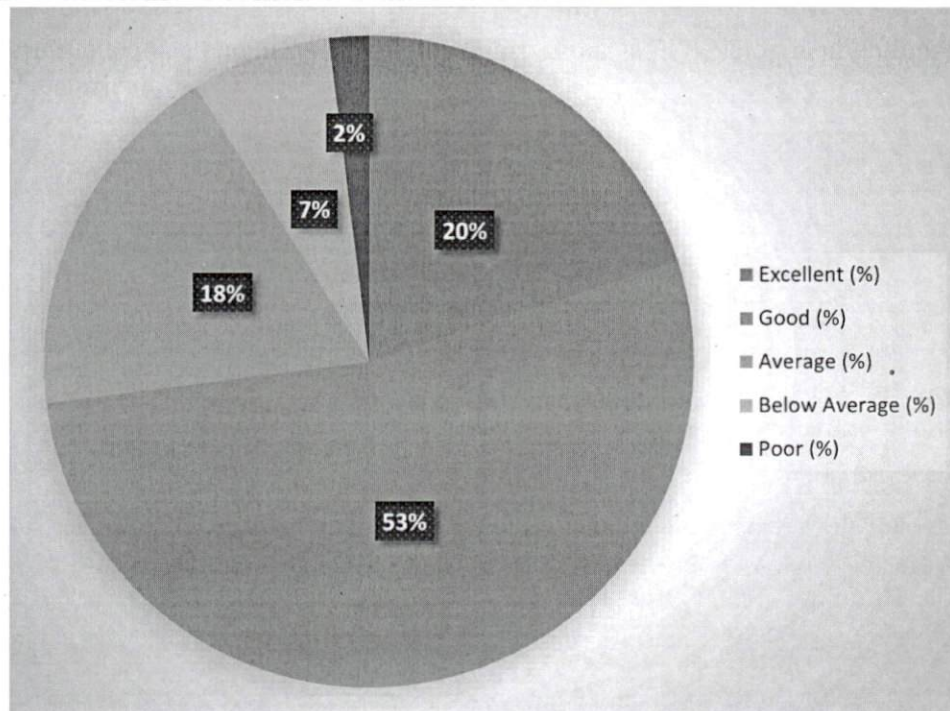
1. Curriculum is contemporary and need based
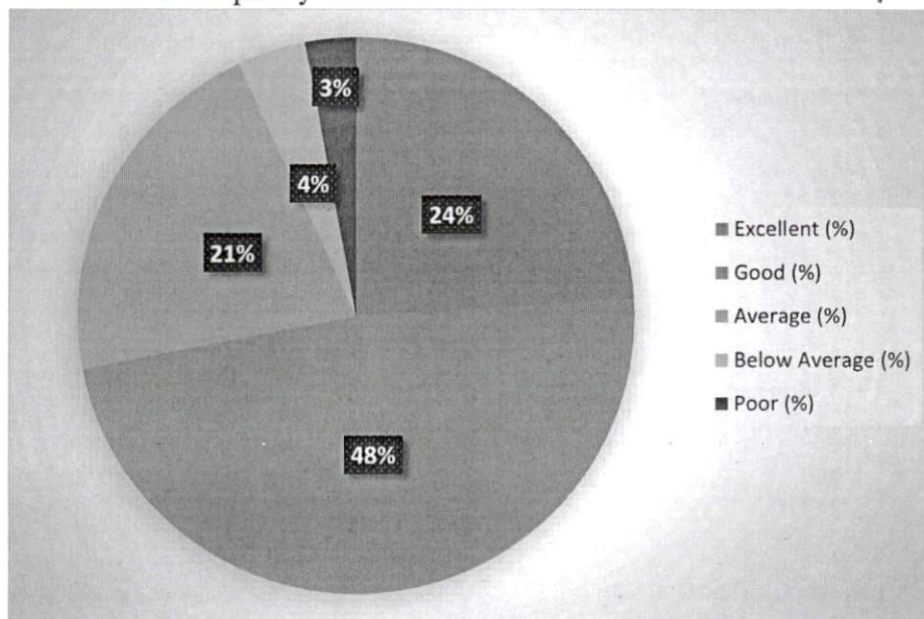
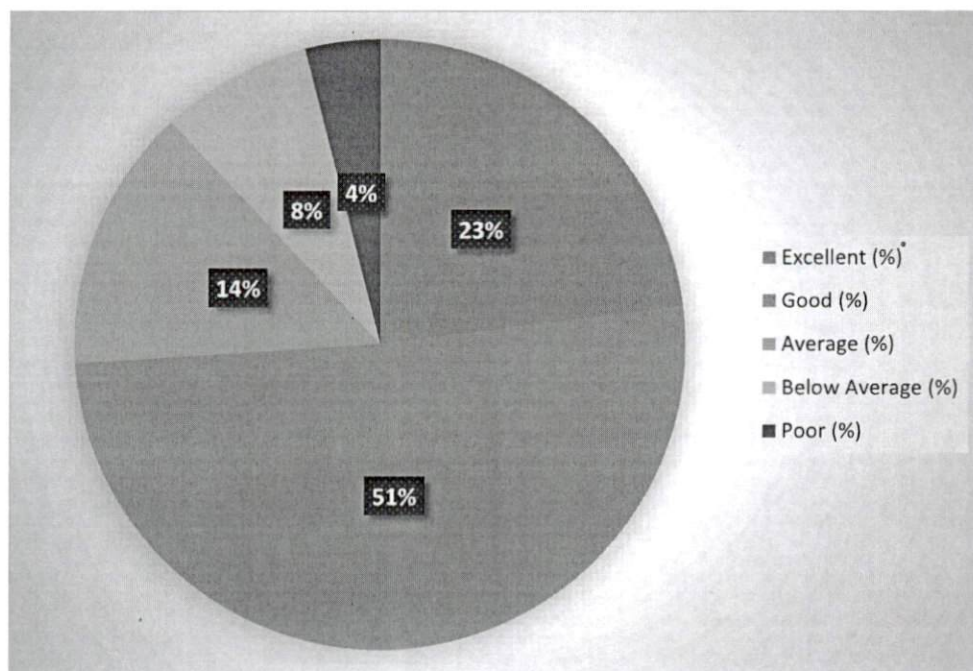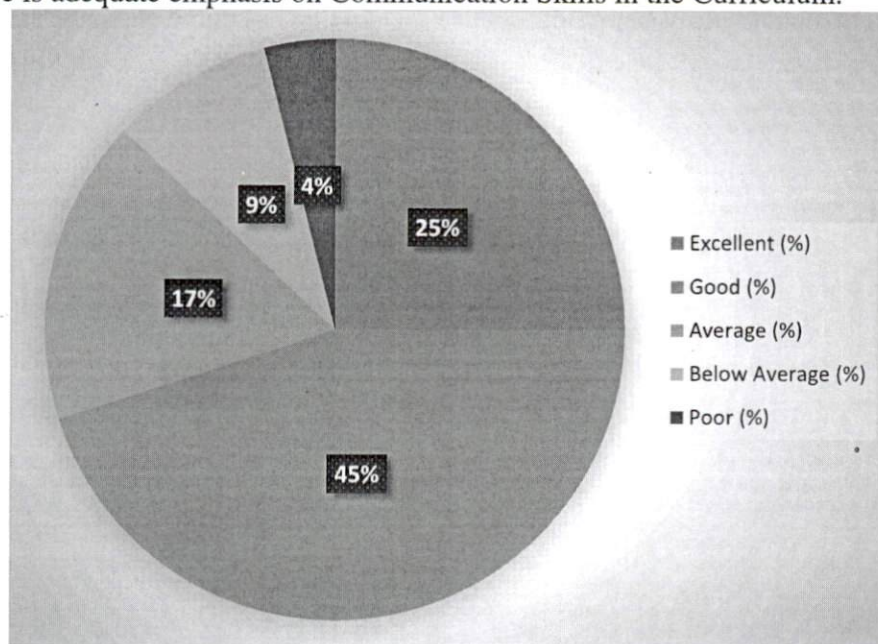2. Curriculum has good balance of Theory and Practical courses.
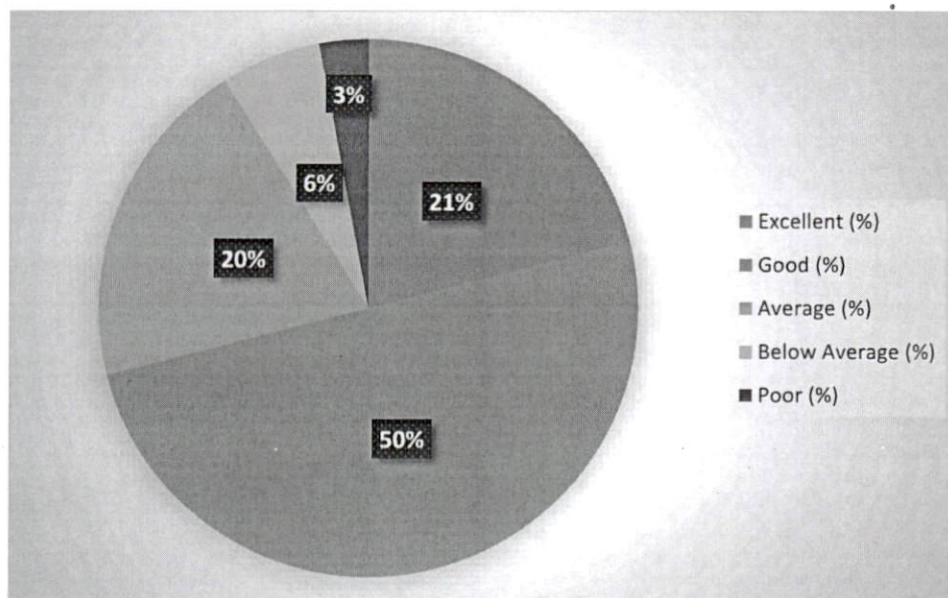
3. The curriculum has sufficient number of electives

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 (%)

4%, 9%, 25%, 17%, 45%

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

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

3%, 4%, 26%, 21%, 46%
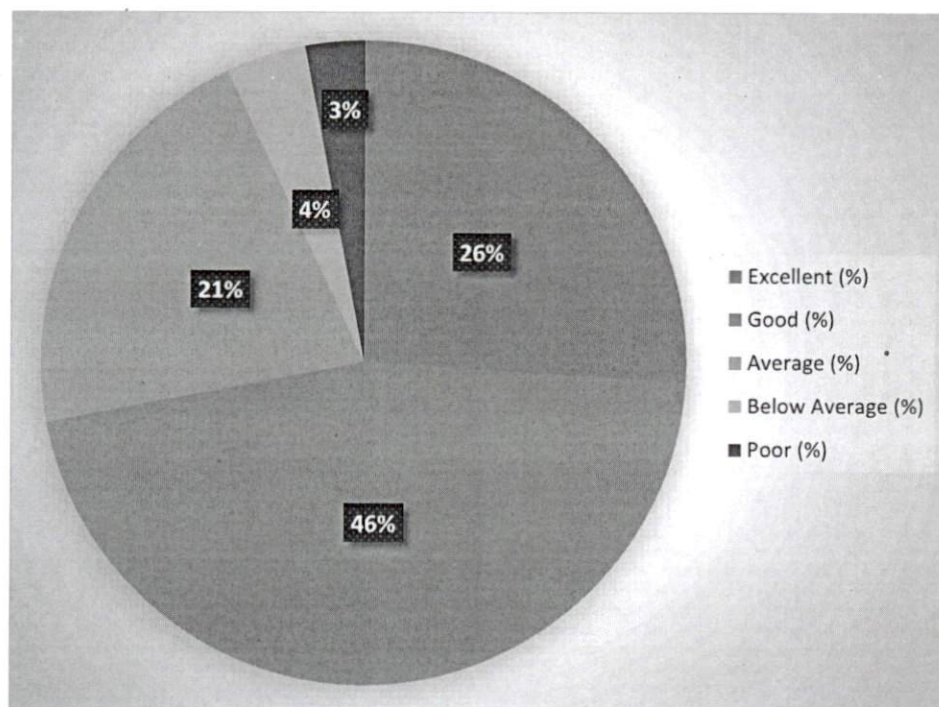
7. The electives offered in the curriculum suits the industry needs and technological advancements.
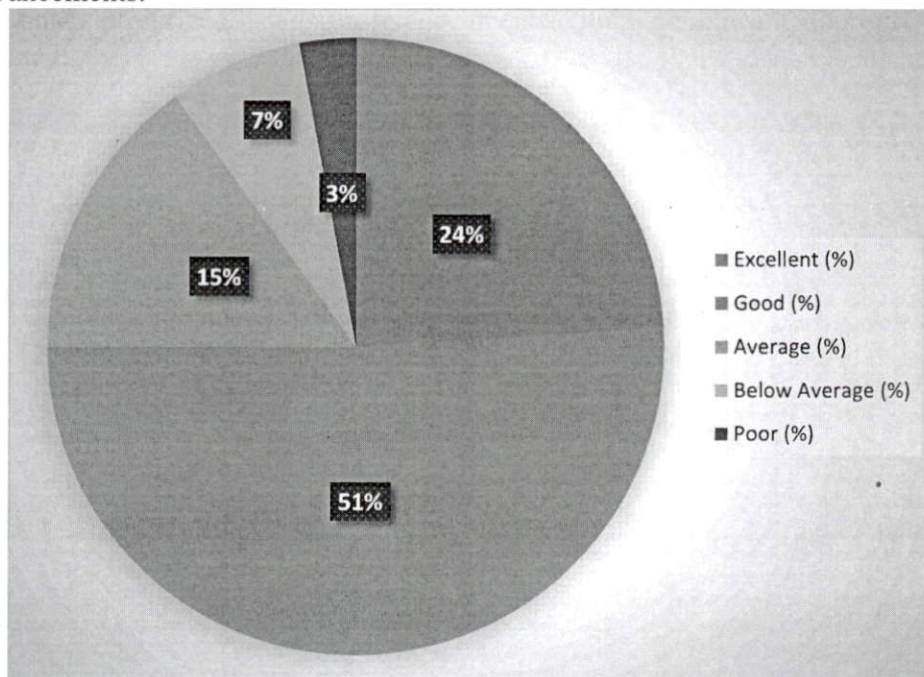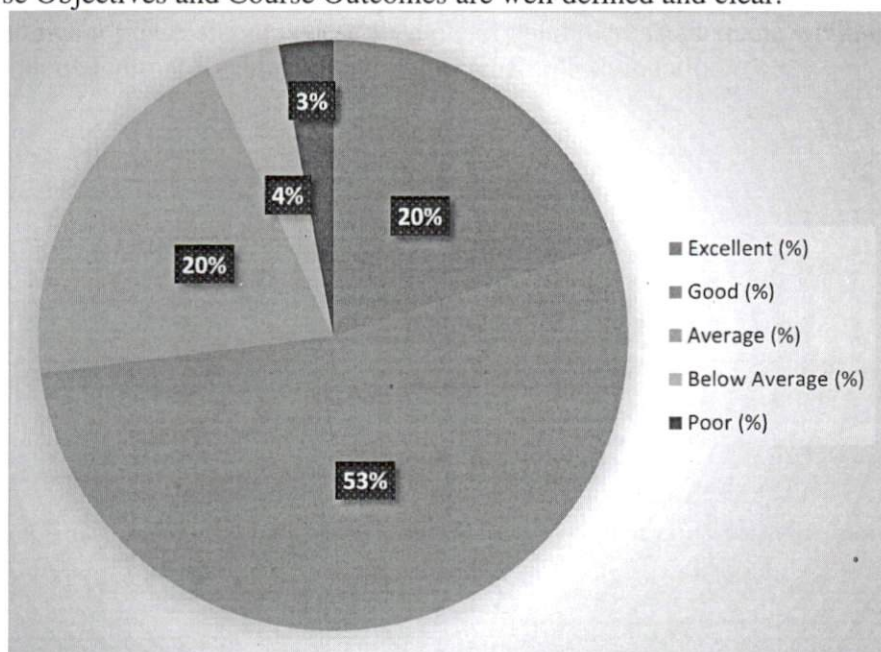

8. The books prescribed/listed as reference in curriculum are relevant, appropriate and updated.
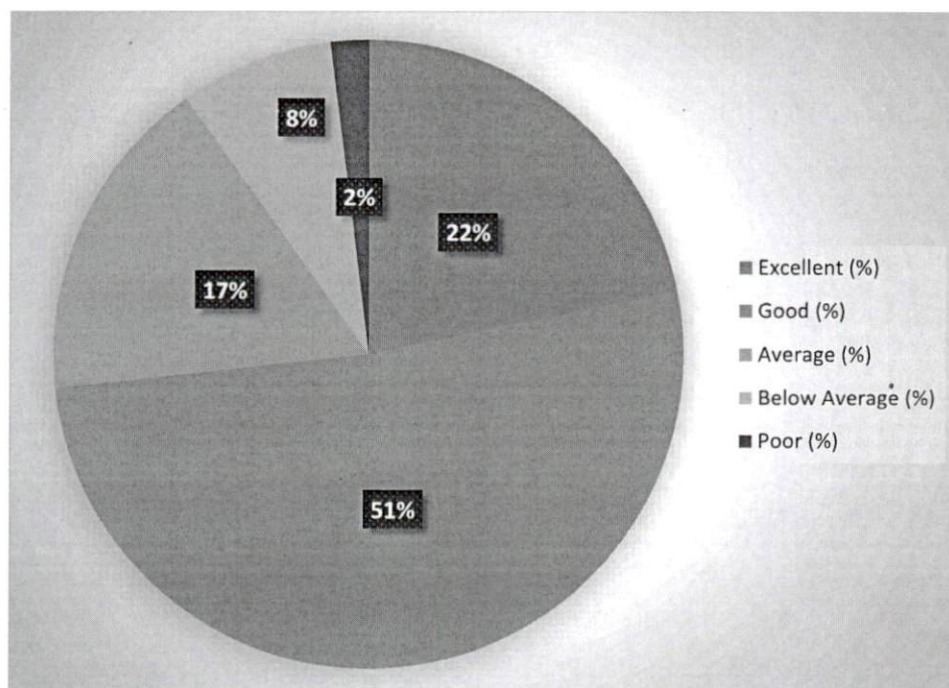
9. The Program Educational Objectives, Program outcomes, Program Specific Outcomes, Course Objectives and Course Outcomes are well defined and clear.

10. The rubrics for assessment is described clearly and there is adequate weightage for Continuous Internal Evaluation and Semester End Examination.
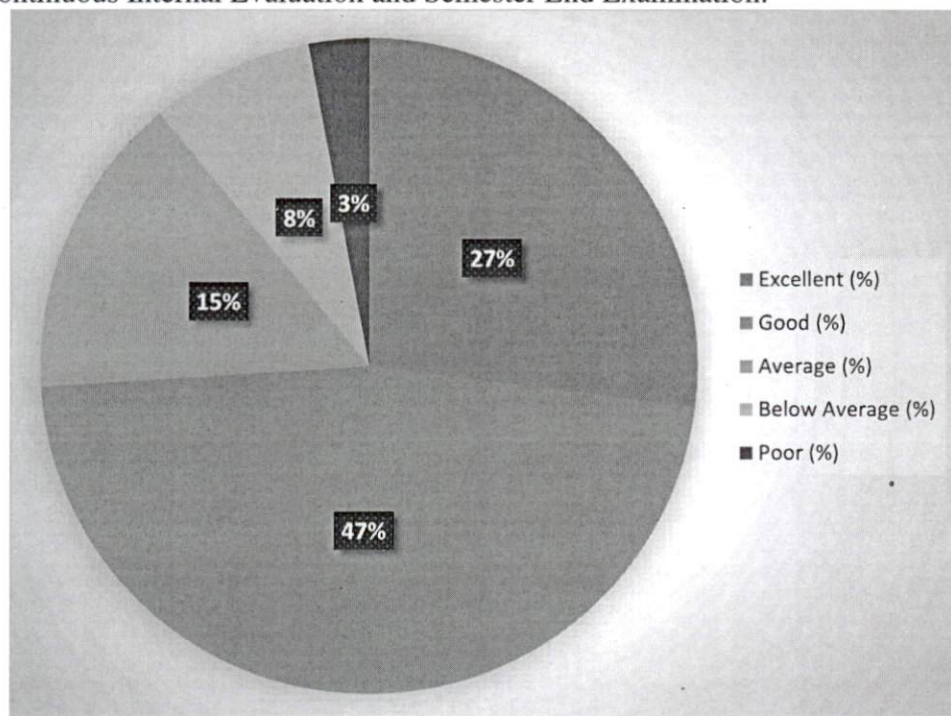
Give your suggestions for improving the curriculum

1. New courses are to be framed so that student can be placed in industry side.
2. Classes on GATE are to be conducted.
3. Soft computing related courses are to be included.
4. Teaching of aptitude and skill oriented classes are to be done in an effective manner.
5. Vast topics on power electronics course is to be reduced.

The following are observations on Student feedback and action need to be initiated:
1. Increase industrial training practically
2. Value added courses are to be conducted.
3. As it is difficult to understand the concepts of "Neural Networks and Fuzzy logic" it is suggested to remove it from the curriculum

Program Coordinator

Head of the Department

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