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 **M.Tech - Power Electronics & Drives** 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	25	45	20	7	3	Excellent & good	70%
2	There is adequate emphasis on employability skills/ skill development/entrepreneurship in the curriculum	23	48	15	9	5	Excellent & good	71%
3	The electives offered in the curriculum suits the industry needs and technological advancements.	26	44	19	8	3	Excellent & good	70%

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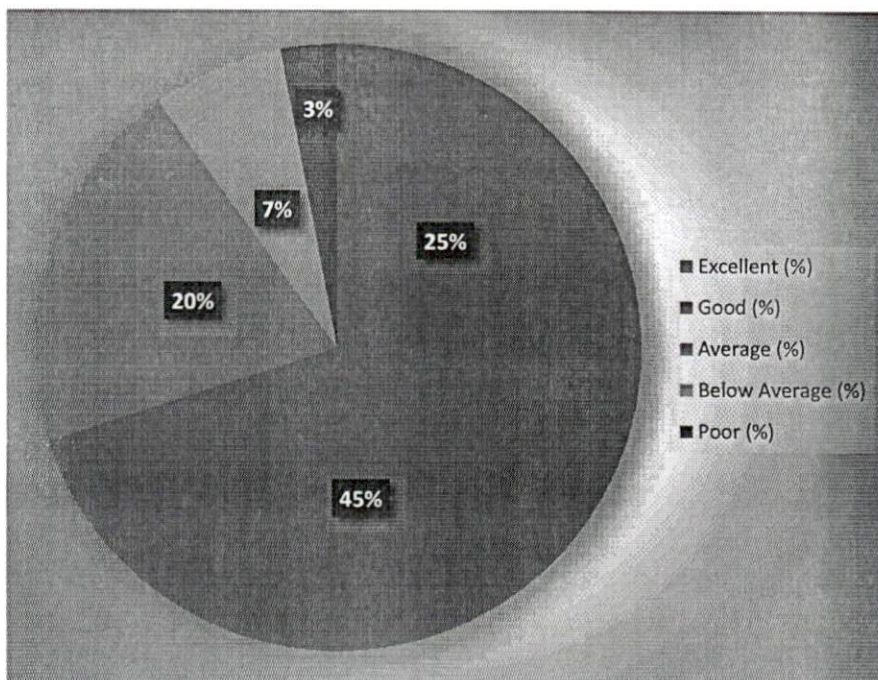
1. **Curriculum is contemporary and need based**

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

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

5% 9% 23% 15% 48%

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

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

3% 8% 26% 19% 44%
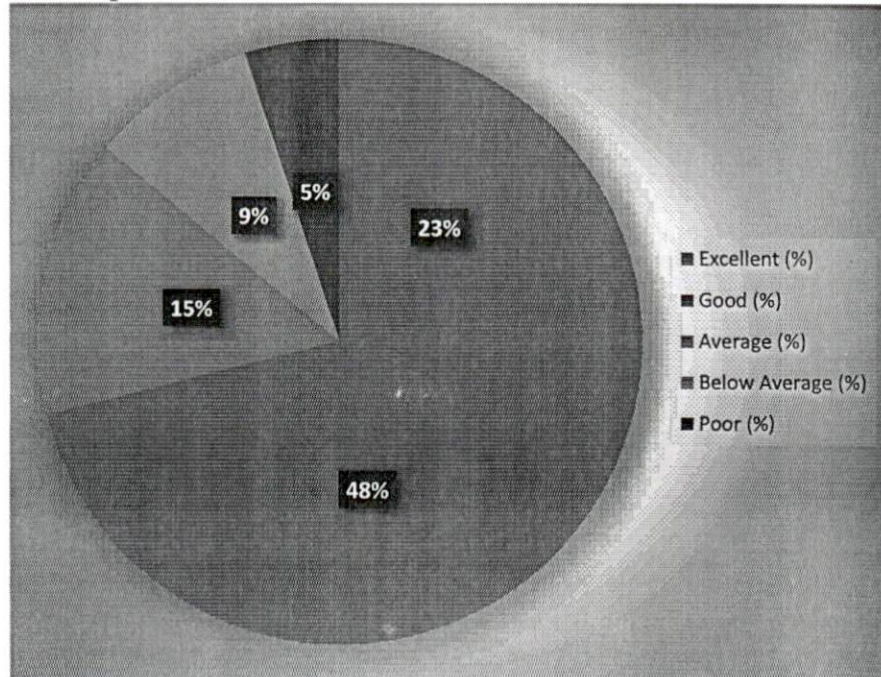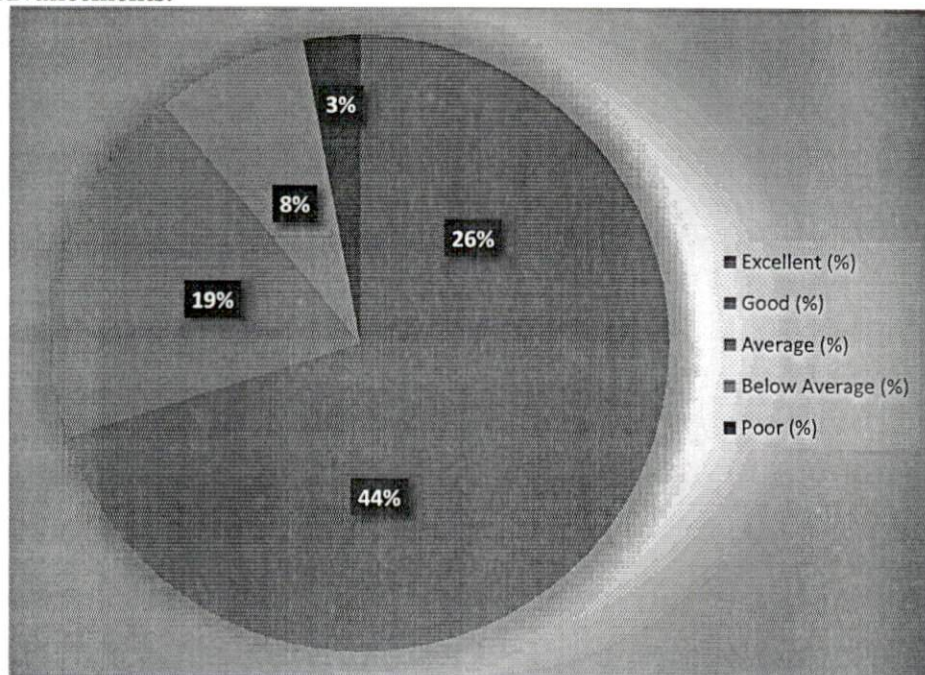
Suggest any courses to be added to /removed from the curriculum

1. Communication and skill oriented classes are required.
2. Course structure is to be modified with some practical oriented knowledge.
3. No modifications.

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. Advanced topics on renewable energy are to be included.
3. The addition of a new lab course can enhance student's communication skills and their command of the English language.

Give any other suggestions for improving the Curriculum

1. No suggestions
2. Focus on placement related courses are to be designed.
3. Depth analysis of renewable energy topics are to be suggested.

The following are observations on Alumni feedback and action need to be initiated:
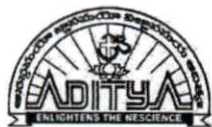
1. The software and hardware knowledge must be balanced by introducing more courses related to simulation and demo oriented expert talks.

Program Coordinator

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

## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Employer Feedback on curriculum

Employer Feedback Analysis **(2020-2021)** for the **M.Tech - Power Electronics & Drives** 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	48	17	10	2	Excellent & good	71%
2	There is adequate emphasis on employability skills/ skill development/entrepreneurship in the curriculum	24	46	16	11	3	Excellent & good	70%
3	The electives offered in the curriculum suits the industry needs and technological advancements.	21	50	16	7	6	Excellent & good	71%

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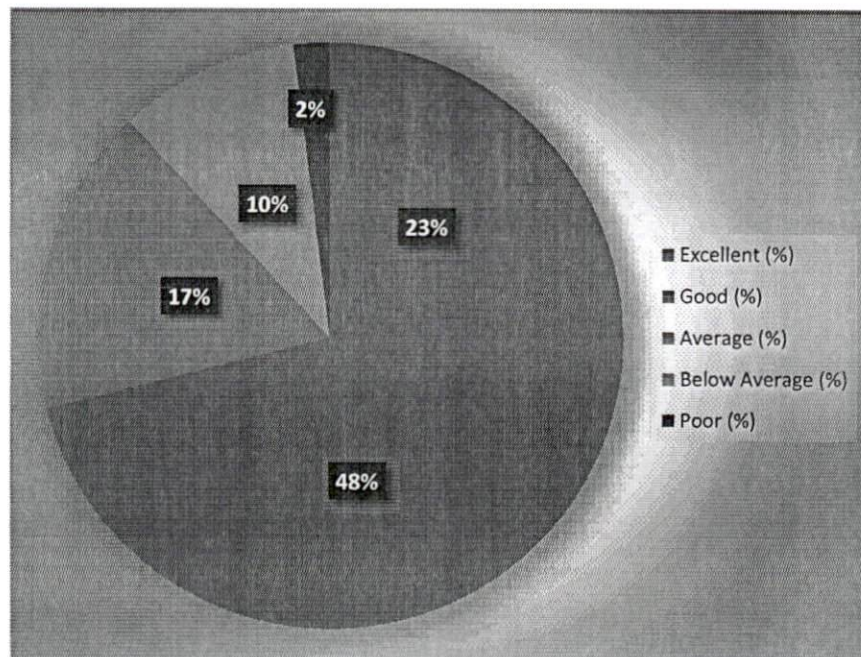
1. **Curriculum is contemporary and need based**

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

Pie chart data:
- Excellent (%): 24%
- Good (%): 46%
- Average (%): 16%
- Below Average (%): 11%
- Poor (%): 3%

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

Pie chart data:
- Excellent (%): 21%
- Good (%): 50%
- Average (%): 16%
- Below Average (%): 7%
- Poor (%): 6%
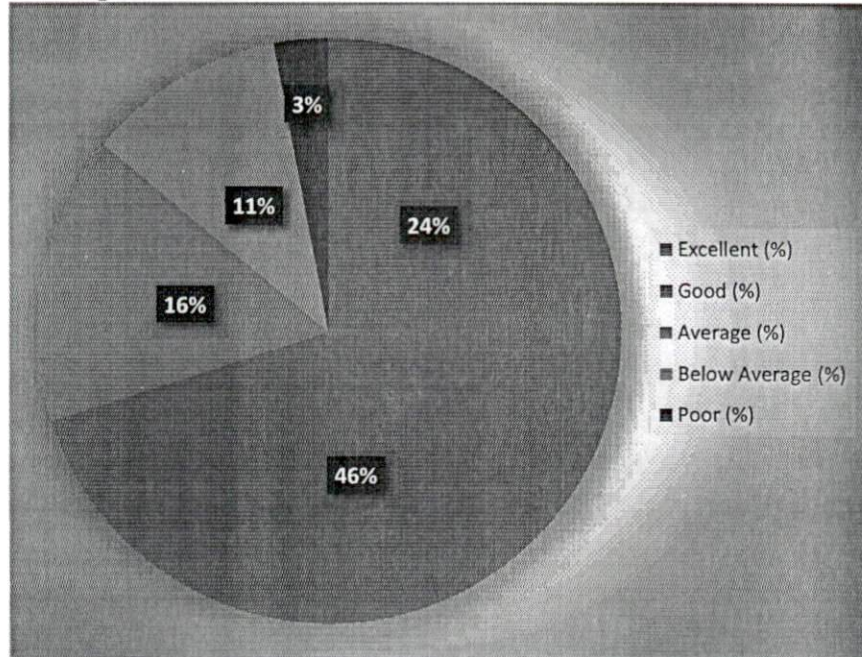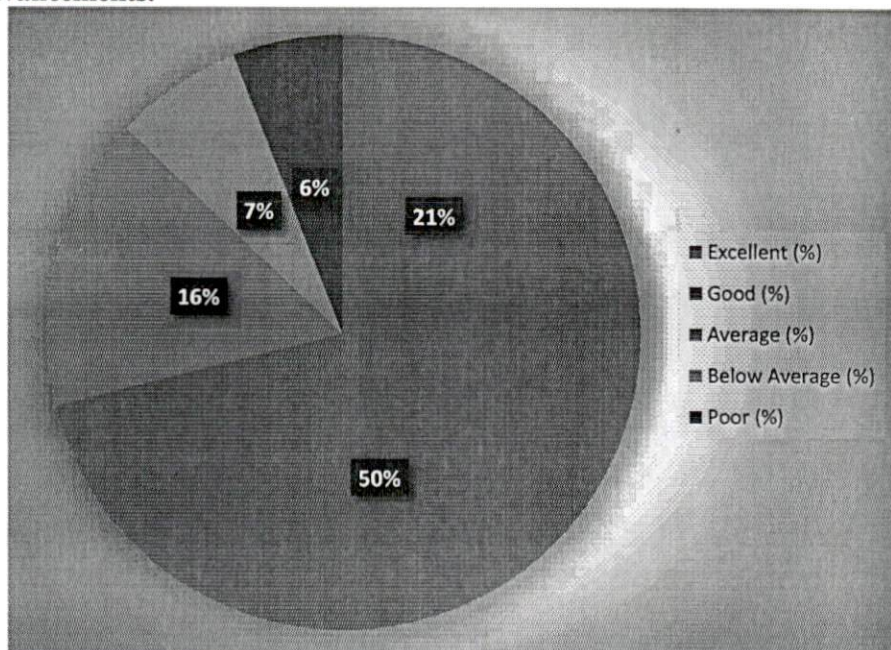
Suggest any courses to be added to /removed from the curriculum
1. Hybrid electric vehicles course is to be added.
2. Topics on energy sources course is to be included.
3. Aptitude and reasoning classes are to be added.

Suggest the skills to be acquired by our students to meet the industry requirements
1. Courses related to electric vehicles and energy sources are suggested.
2. Software related jobs
3. Industrial visits.

Any other suggestions on Curriculum
1. Core side jobs
2. Thrust areas like battery management system and machine learning is to be offered for the systems.
3. Effective visualization of concepts.

The following are observations on Employer feedback and action need to be initiated:
1. For students to work in core sectors, they must have practical knowledge of electrical programming ideas.

Program Coordinator

Head of the Department

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 **M.Tech - Power Electronics & Drives** program.

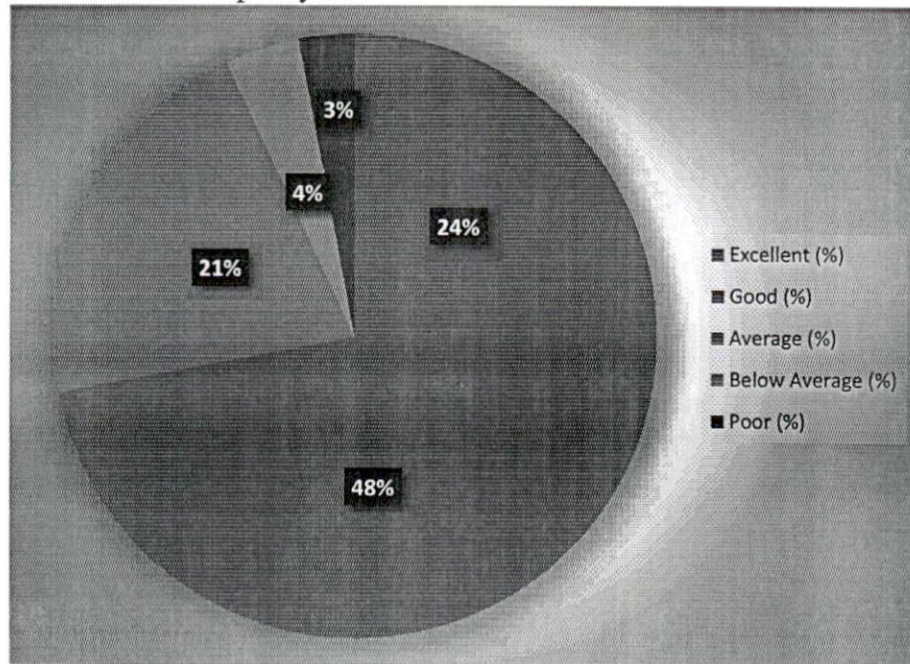| S. NO	Question related to Curriculum	Opinion of the Teacher with percentage					Majority opinion	% of Majority Opinion
		Excellent (%)	Good (%)	Average (%)	Below Average (%)	Poor (%)		
1	Curriculum is contemporary and need based	24	48	21	4	3	Excellent & good	72%
2	The Program Educational Objectives, 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/ skill development/entrepren	23	47	12	13	5	Excellent & good	70%

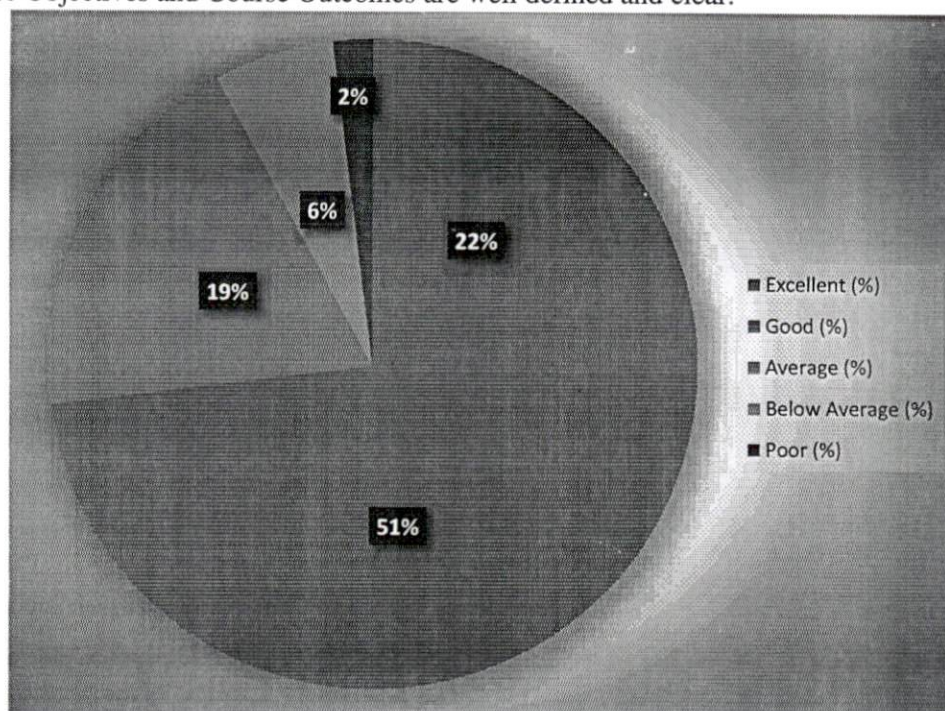|							
	eurship in the curriculum.						
8	There is adequate emphasis on Communication Skills in the Curriculum	18	50	16	10	6	Excellent & good	68%
9	There is adequate emphasis on Human Values, ethics and Professionalism in the Curriculum.	25	41	12	12	8	Excellent & good	67%
10	The curriculum has sufficient 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 (%)
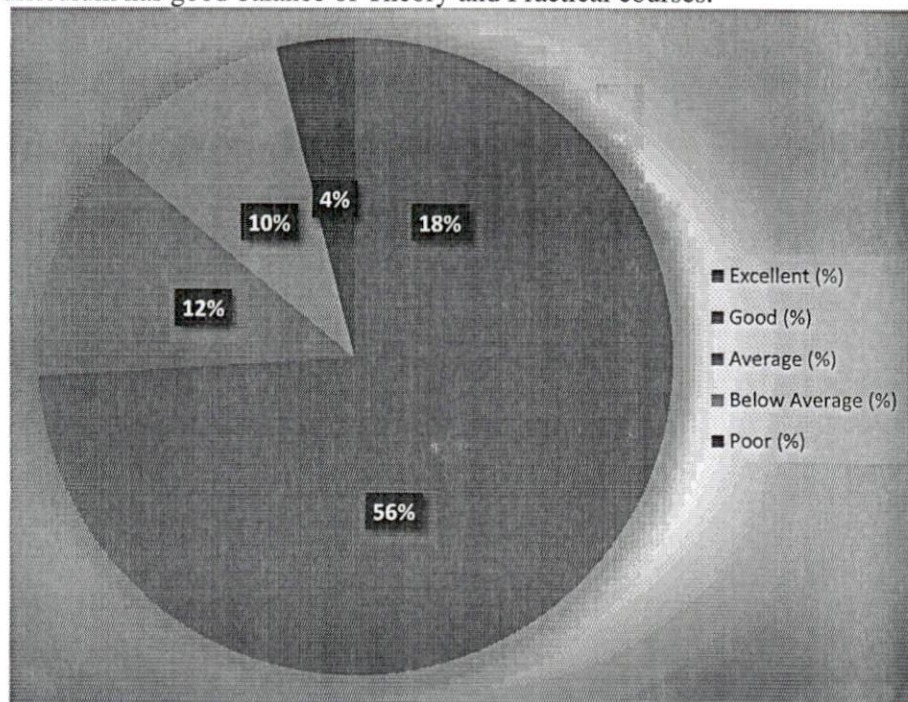- Poor (%)

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.
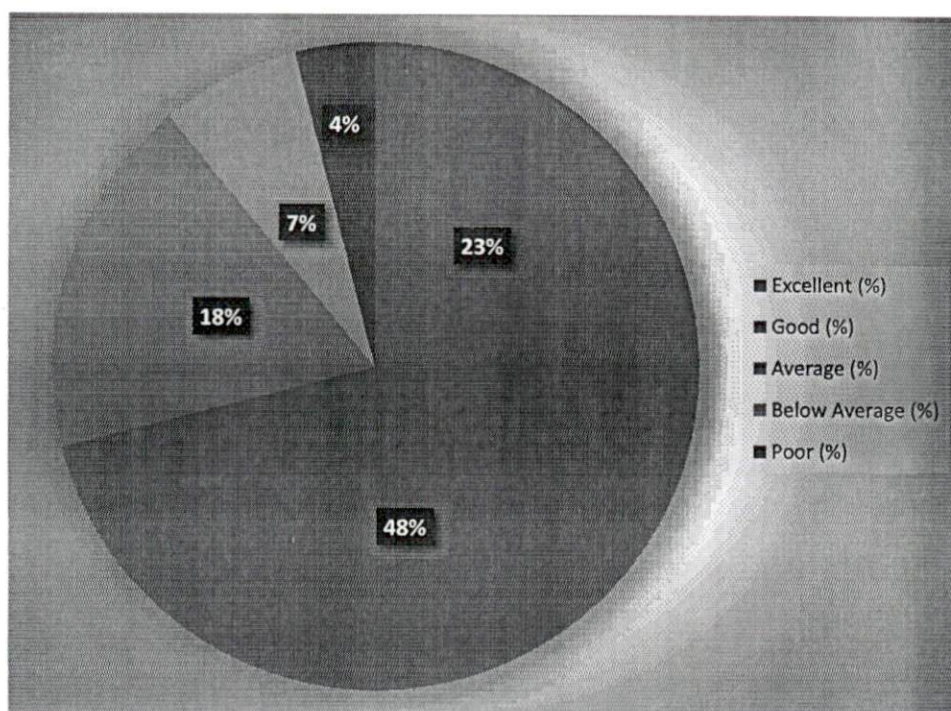

Legend:
- Excellent (%)
- Good (%)
- Average (%)
- Below Average (%)
- Poor (%)

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

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

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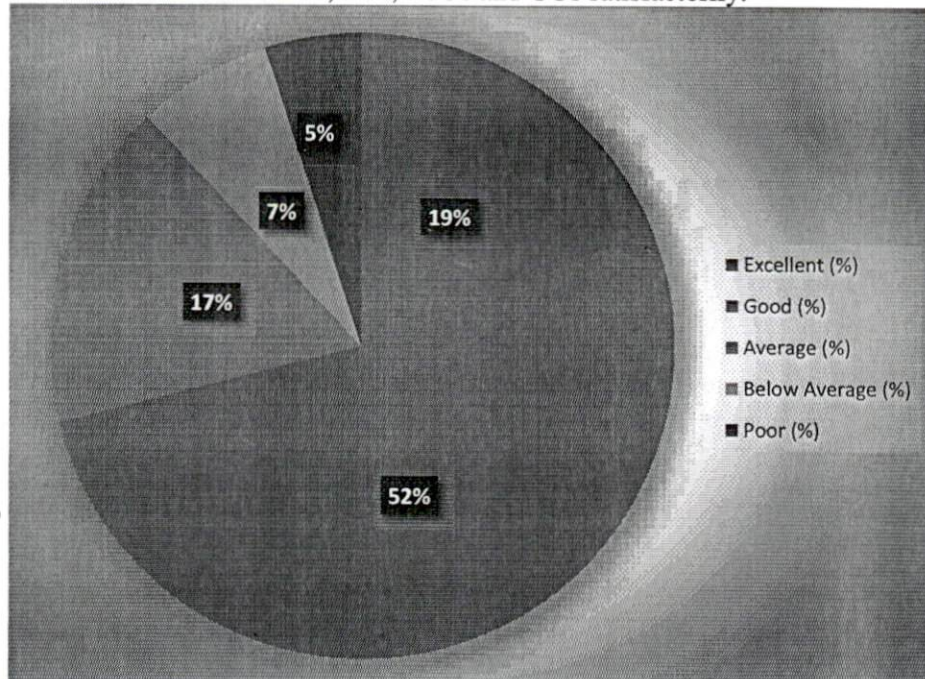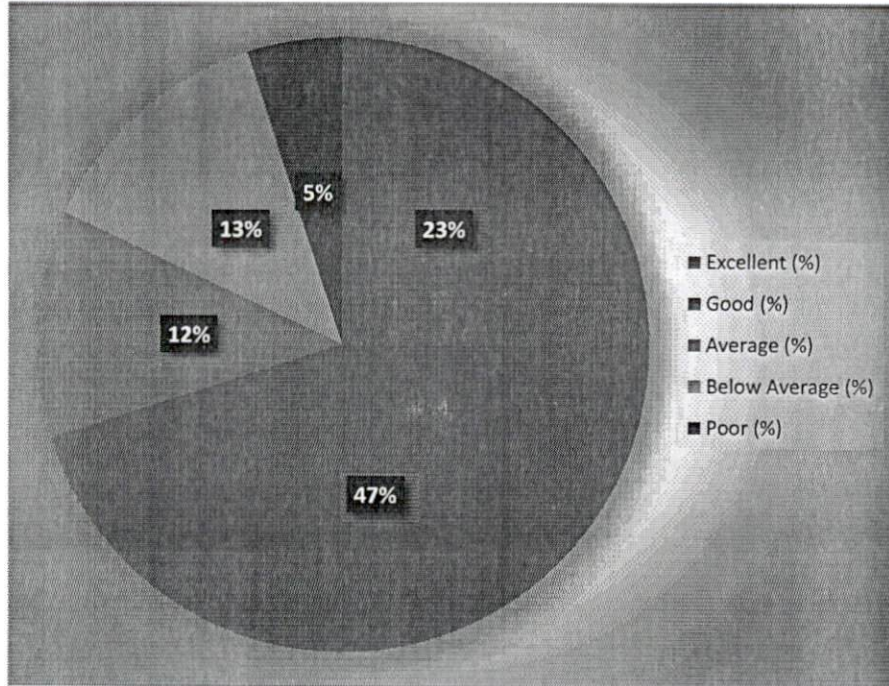
5. The hands on experience gained by the students through the laboratory courses is up to the expectations.
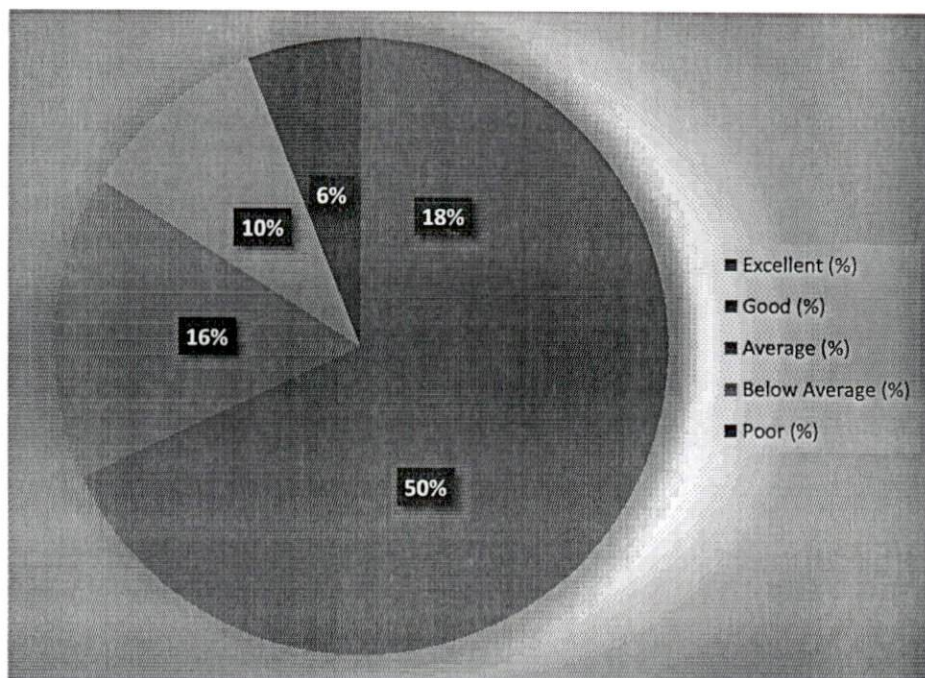

Pie chart showing: 20% Excellent, 50% Good, 10% Average, 11% Below Average, 9% Poor. Legend: Excellent (%), Good (%), Average (%), Below Average (%), Poor (%).

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

Pie chart showing: 19% Excellent, 52% Good, 17% Average, 7% Below Average, 5% Poor. Legend: Excellent (%), Good (%), Average (%), Below Average (%), Poor (%).

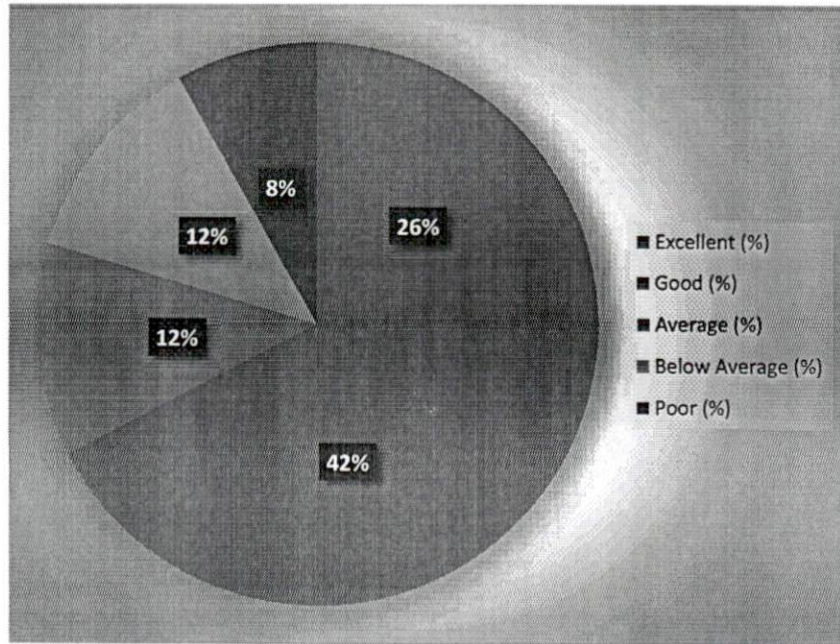7. There is adequate emphasis on employability skills/ skill development/entrepreneurship in the curriculum.

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

Values: 5%, 13%, 23%, 12%, 47%

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

Legend:
- Excellent (%)
- Good (%)
- Average (%)
- Below Average (%)
- Poor (%)
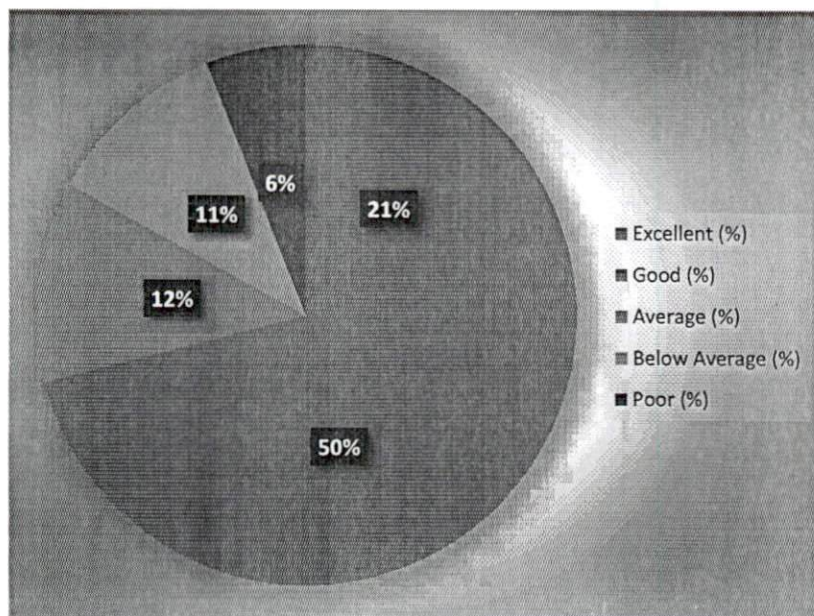
Values: 6%, 10%, 18%, 16%, 50%
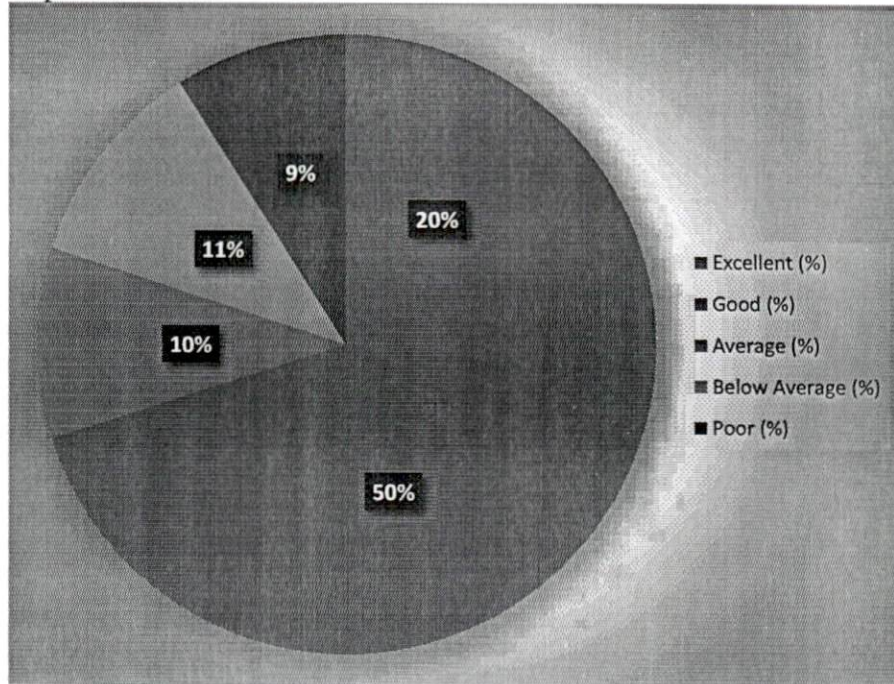
9. There is adequate emphasis on Human Values, ethics and Professionalism in the Curriculum.
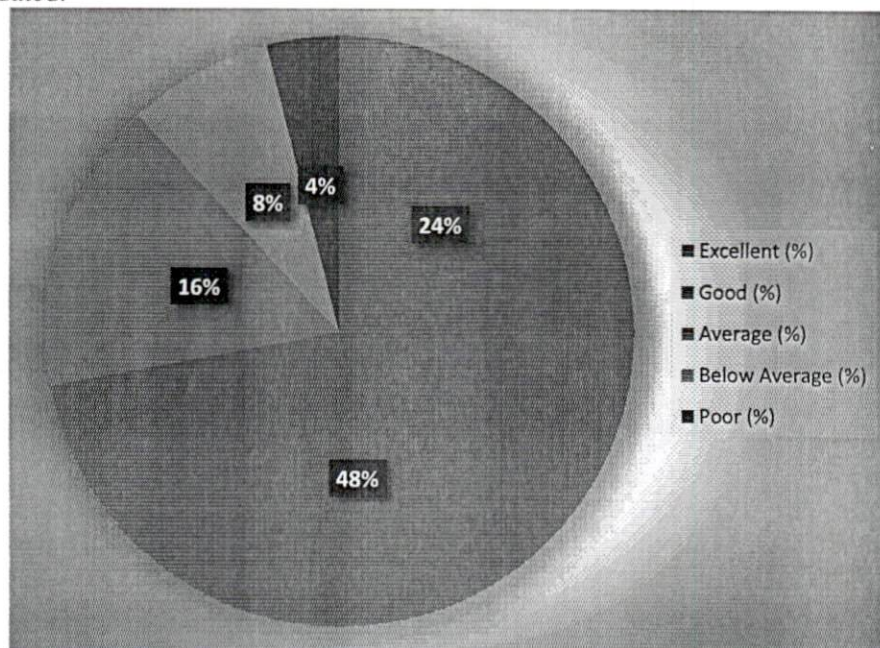

10. The curriculum has sufficient number of electives.
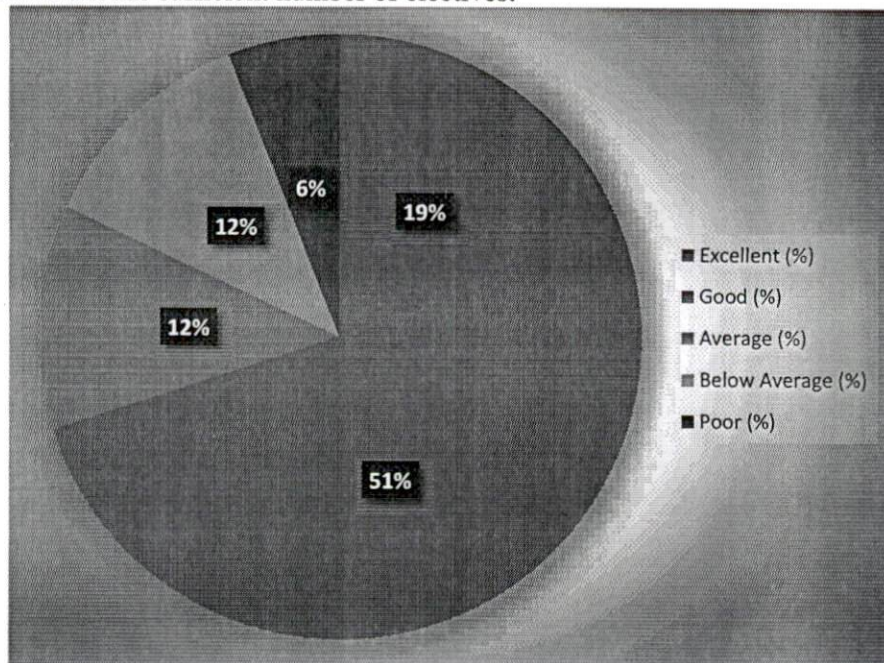
11. The electives offered in the curriculum suits the industry needs and technological advancements.

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

6%
11%
21%
12%
50%

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

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

8% 4%
24%
16%
48%

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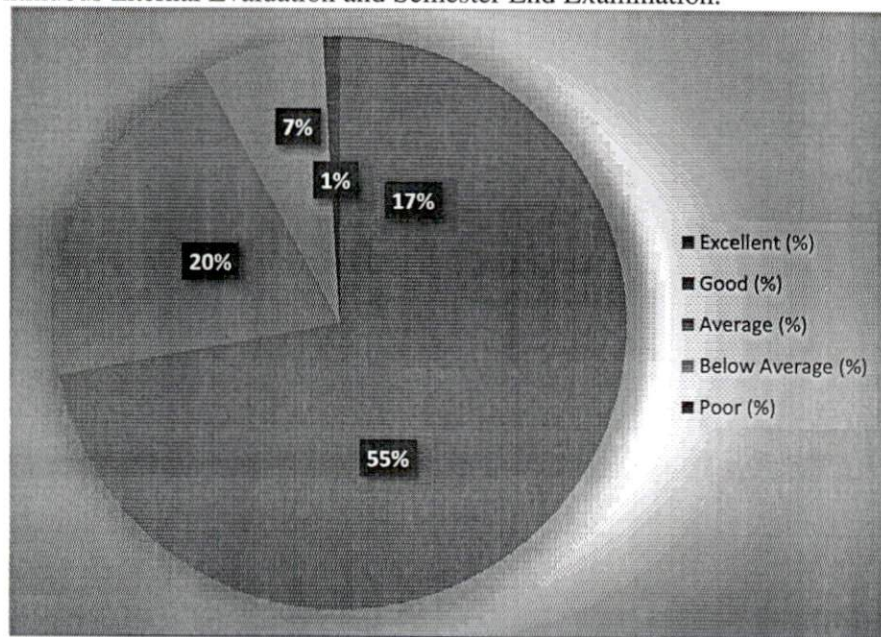
Give suggestions for improving the Curriculum

1. The planned curriculum meets the requirements.
2. Guests lectures and expert talks from industry sectors are to be added.
3. Suggested to involve advanced courses based on specialization

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

1. Students should know the basics of all the fundamentals of power electrical devices.

Program Coordinator

Head of the Department

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Student Feedback on curriculum

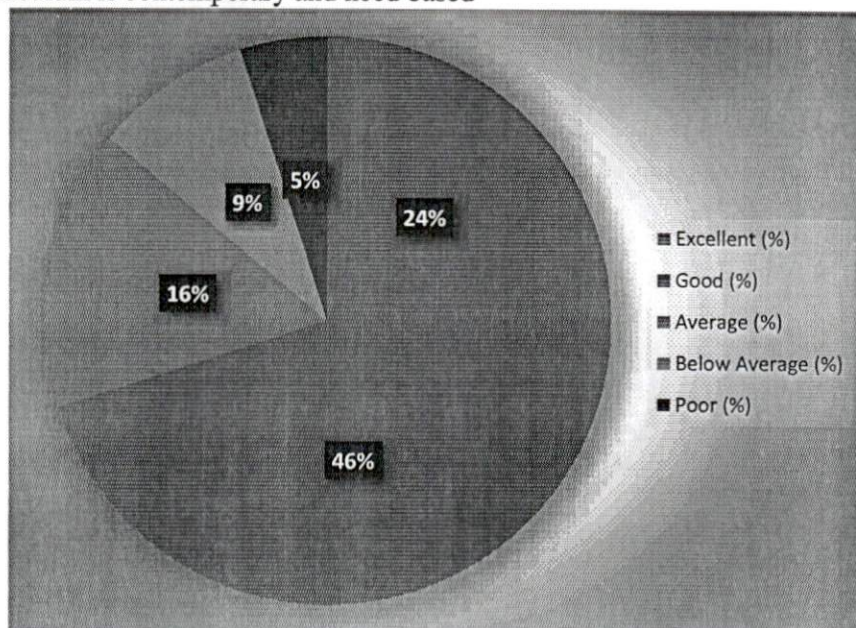Student Feedback Analysis **(2020-2021)** for the **M.Tech - Power Electronics & Drives** program.

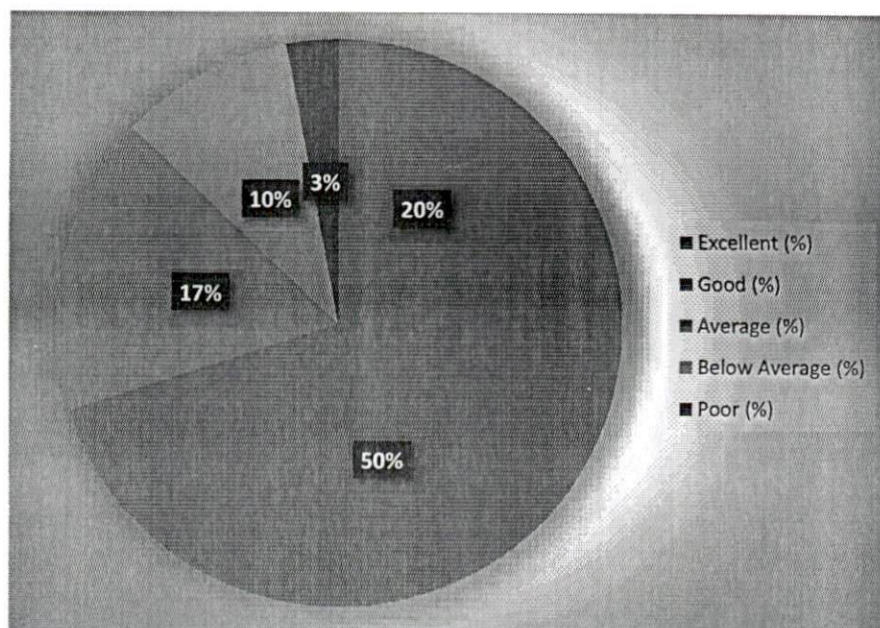| S. NO	Question related to Curriculum	Excellent (%)	Good (%)	Average (%)	Below Average (%)	Poor (%)	Majority opinion	% of Majority Opinion
1	Curriculum is contemporary and need based	24	46	16	9	5	Excellent & good	70%
2	Curriculum has good balance of Theory and Practical courses	20	50	17	10	3	Excellent & good	70%
3	The curriculum has sufficient number of electives	23	46	19	9	3	Excellent & good	69%
4	There is adequate emphasis on employability skills / skill development/entrepreneurship in the curriculum.	24	45	16	10	5	Excellent & good	69%
5	There is adequate emphasis on Communication Skills in the Curriculum.	23	46	17	10	4	Excellent & good	69%
6	There is adequate emphasis on Human Values, ethics and Professionalism in the Curriculum.	24	47	21	5	3	Excellent & good	71%
7	The electives offered in the curriculum suits the industry needs and technological advancements.	25	45	16	12	2	Excellent & good	70%
8	The books prescribed/listed as reference in curriculum are relevant, appropriate and updated.	23	46	15	12	4	Excellent & good	69%
9	The Program Educational Objectives, Program outcomes, Program Specific Outcomes, Course Objectives and Course Outcomes are well defined and clear.	24	45	19	9	3	Excellent & good	69%
10	The rubrics for assessment is described clearly and there is adequate weightage for Continuous Internal	23	46	17	9	5	Excellent & good	69%

Evaluation and Semester End Examination.							

Graphical representation of Students feedback on curriculum

1. Curriculum is contemporary and need based

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

Values shown: 5%, 9%, 24%, 16%, 46%

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

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

Values shown: 3%, 10%, 20%, 17%, 50%

3. The curriculum has sufficient number of electives

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

Values: 3%, 9%, 23%, 19%, 46%

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

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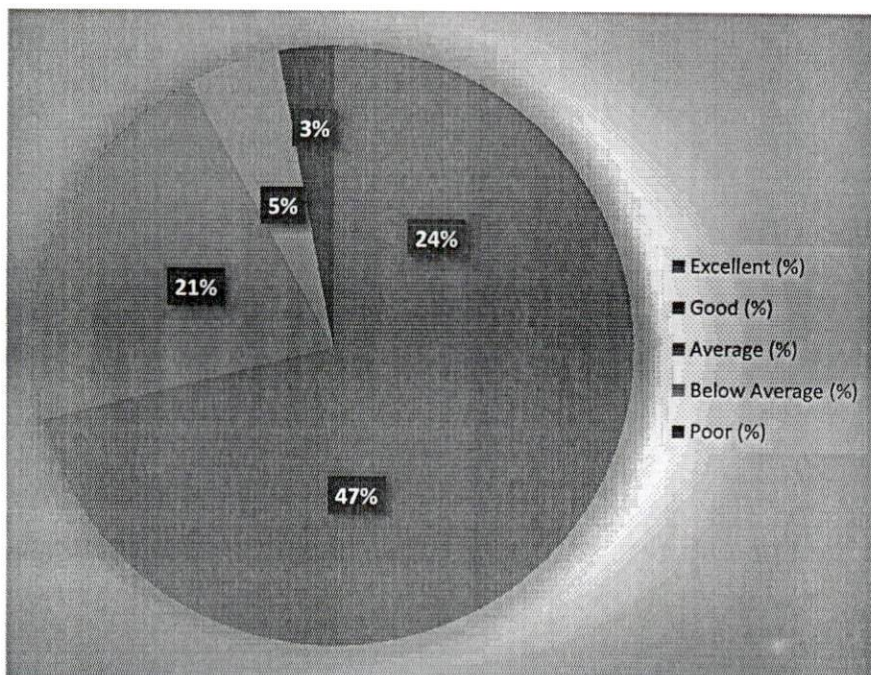- Poor (%)

Values: 5%, 10%, 24%, 16%, 45%
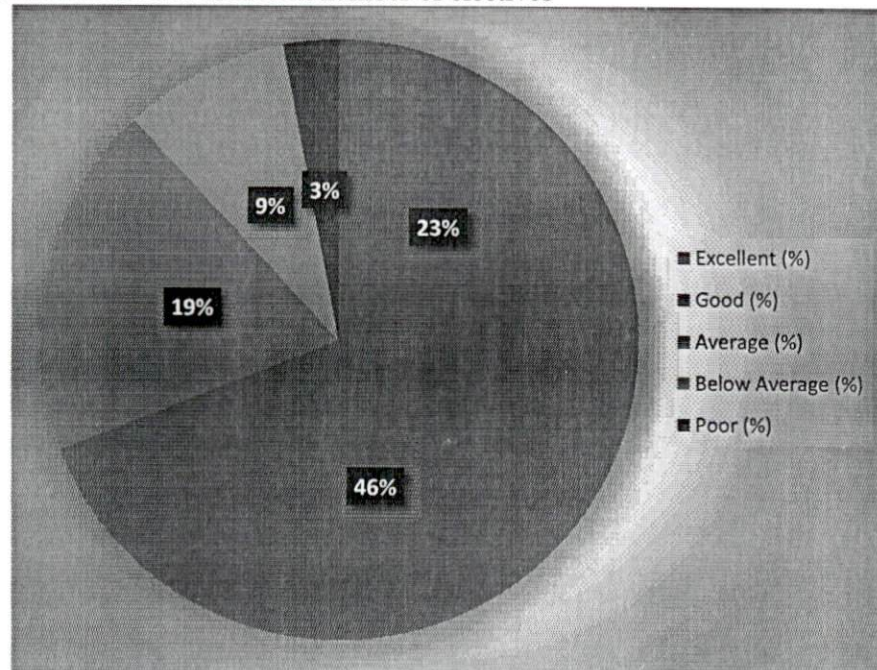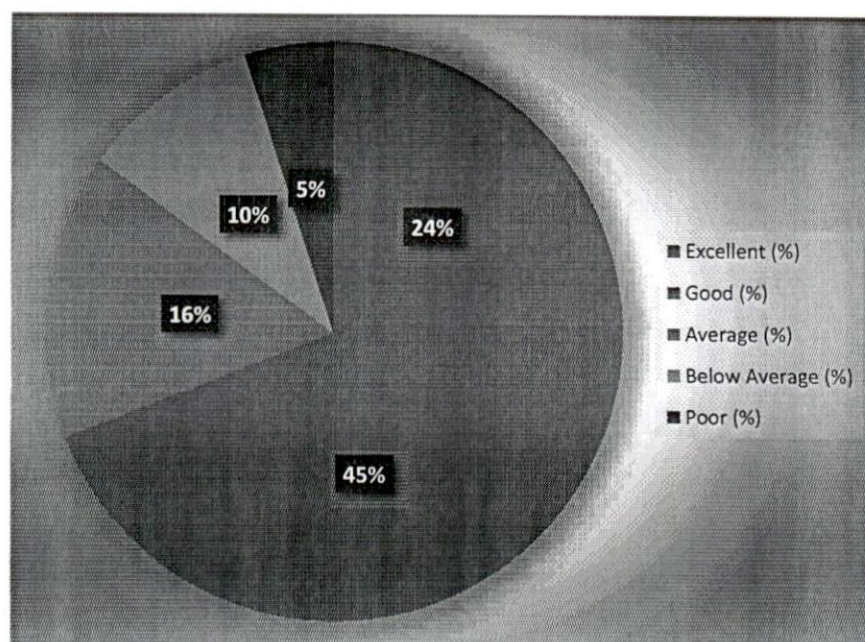
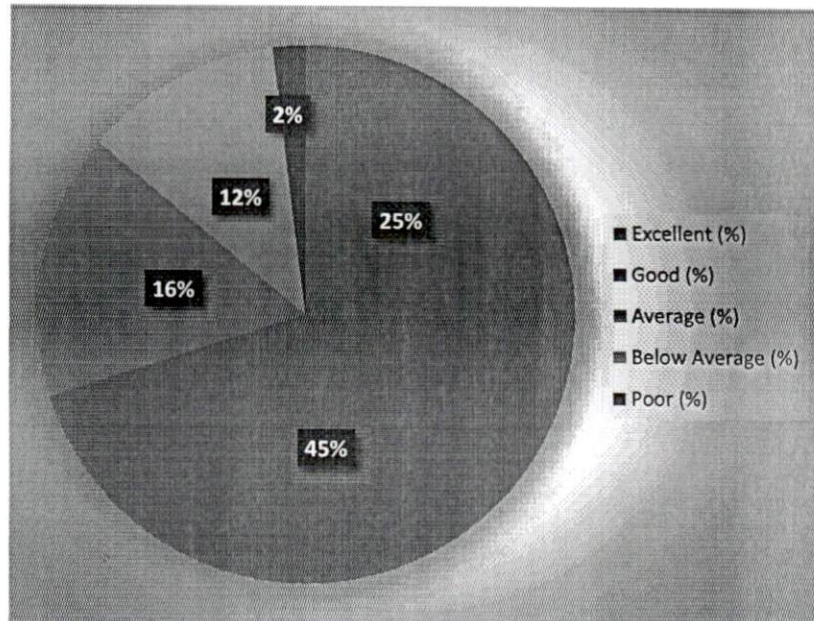5. There is adequate emphasis on Communication Skills in the Curriculum.
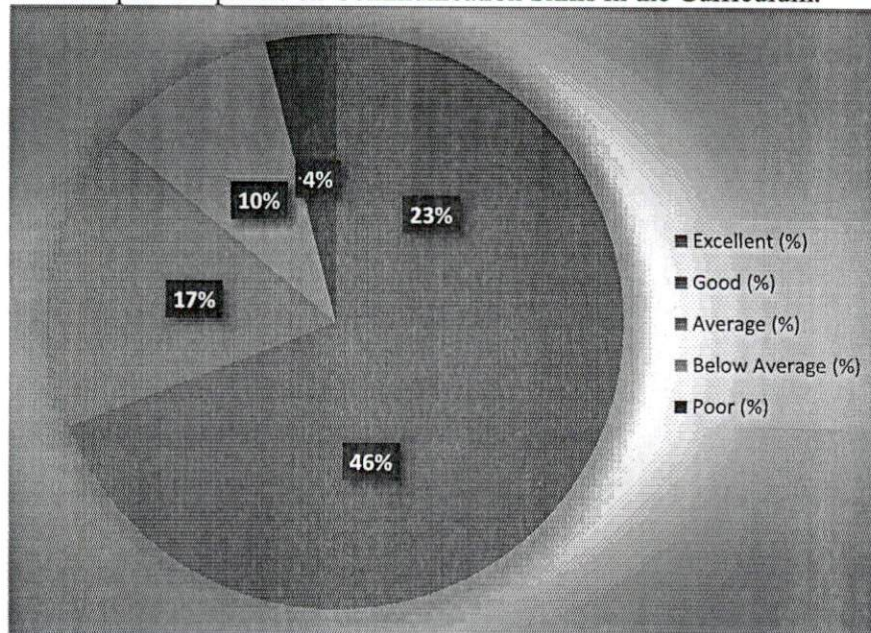
6. There is adequate emphasis on Human Values, ethics and Professionalism in the Curriculum.

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


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

Values: 2%, 12%, 25%, 16%, 45%

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

Legend: Excellent (%), Good (%), Average (%), Below Average (%), Poor (%)
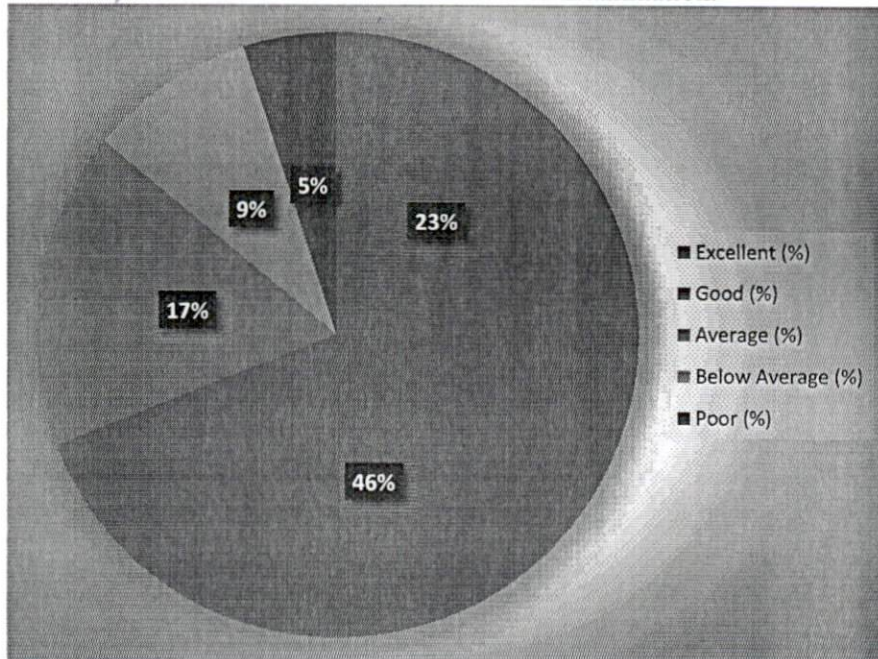
Values: 4%, 12%, 23%, 15%, 46%
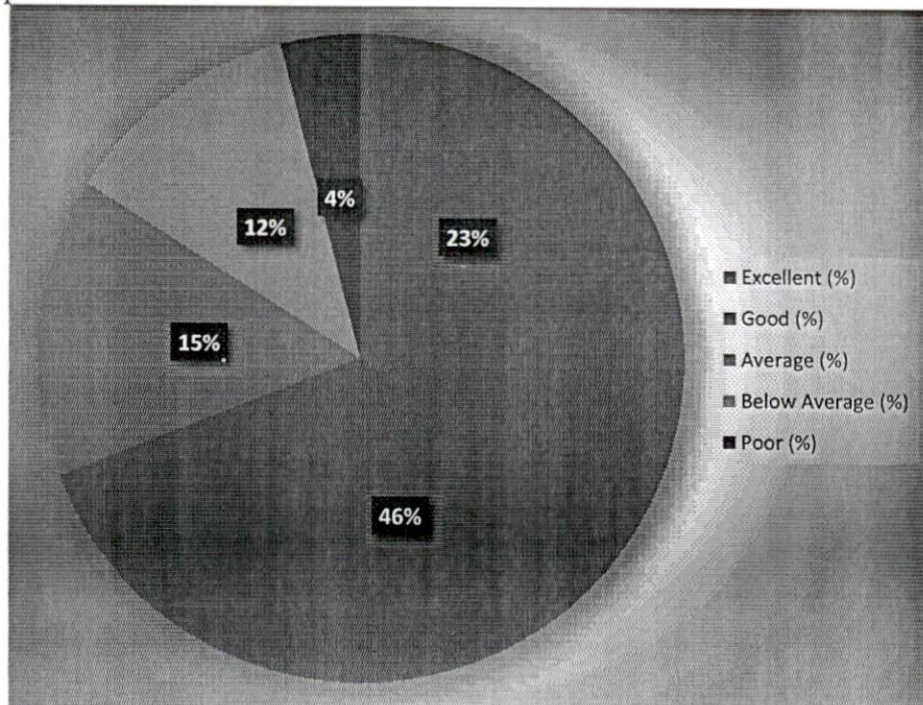
9. The Program Educational Objectives, Program outcomes, Program Specific Outcomes, Course Objectives and Course Outcomes are well defined and clear.
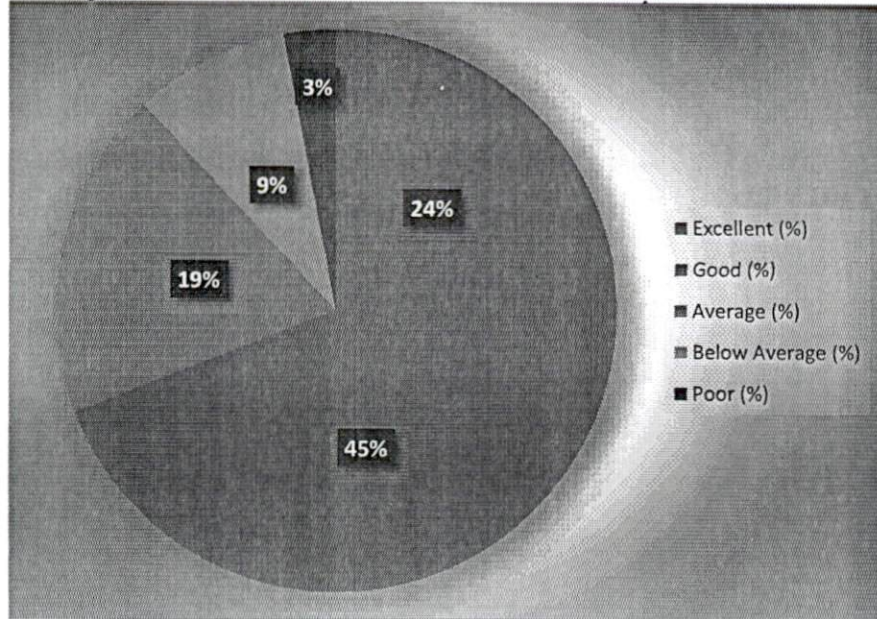
10. The rubrics for assessment is described clearly and there is adequate weightage for Continuous Internal Evaluation and Semester End Examination.

Give your suggestions for improving the curriculum

1. There will be additional skill-development courses.
2. Include a course to help students for meeting the demands of the industry.
3. Improvements in curriculum based on the reality of the present industry needs and globalization

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

1. The addition of a new lab course can enhance student's communication skills and their command of the English language.

Program Coordinator

Head of the Department

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