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 ELECTRONICS AND COMMUNICATION ENGINEERING

Name of the program- **M. Tech (Embedded Systems)**

Alumni Feedback Analysis **(2018-2019)**

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	45	18	10	5	Excellent & Good	67%
2	There is adequate emphasis on employability skills/ skill development/entrepreneurship in the curriculum	20	47	19	8	6	Excellent & Good	67%
3	The electives offered in the curriculum suits the industry needs and technological Advancements.	21	44	17	11	7	Excellent & Good	65%

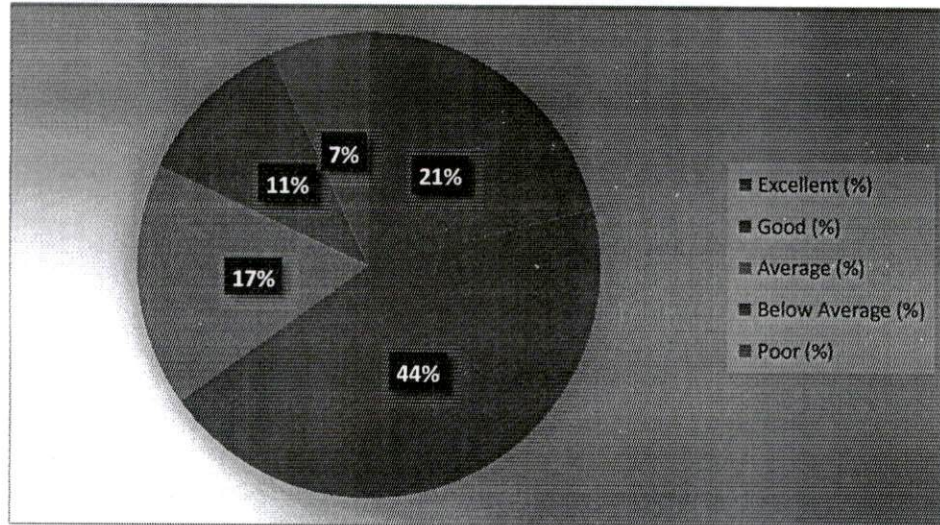**Graphical representation of Alumni feedback analysis**
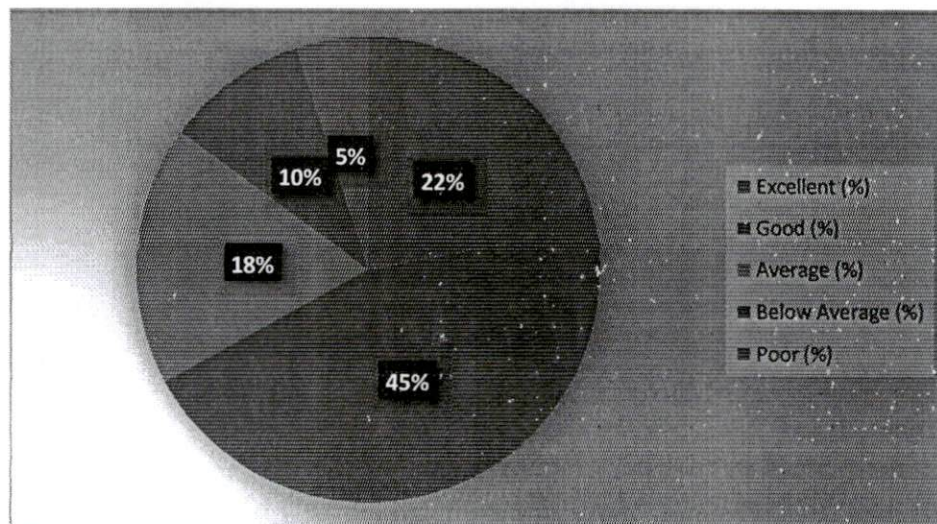
1. Curriculum is contemporary and need based.

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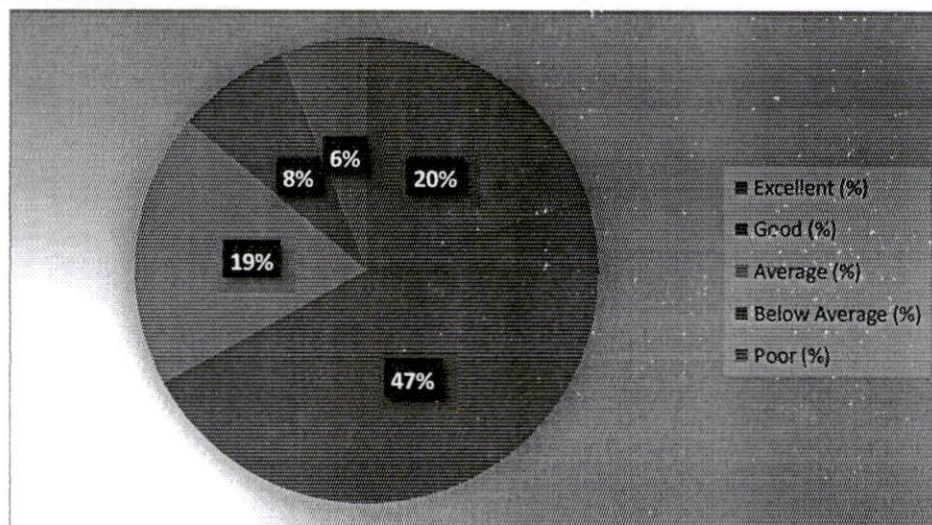
3. The electives offered in the curriculum suits the industry needs and technological advancements.

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

1. No need of any changes.
2. Embedded Systems State Machines & Data Structures
3. Foundation of Embedded Systems with ARM Cortex and STM32

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

1. ESP8266 Operating Modes
2. LoRa IoT Dashboard.
3. PyCharm, WebStorm.

Give any other suggestions for improving the Curriculum.

1. Guidance for competitive exams needed.

2. Communication skills are to be inculcated among students. This may be facilitated in the curriculum itself.

The following are observations on Alumni feedback and action need to be initiated:
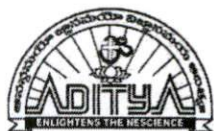
1. Include courses which will help the students in getting through competitive exams and placements as well.

Program Coordinator

Head of the Department

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## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Name of the program- **M. Tech (Embedded Systems)**

Employer Feedback Analysis **(2018- 2019)**

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	49	18	5	5	Excellent & Good	72%
2	There is adequate emphasis on employability skills/ skill development/ entrepreneurship in the curriculum	18	45	21	9	7	Excellent & Good	63%
3	The electives offered in the curriculum suits the industry needs and technological advancements.	19	49	19	8	5	Excellent & Good	68%

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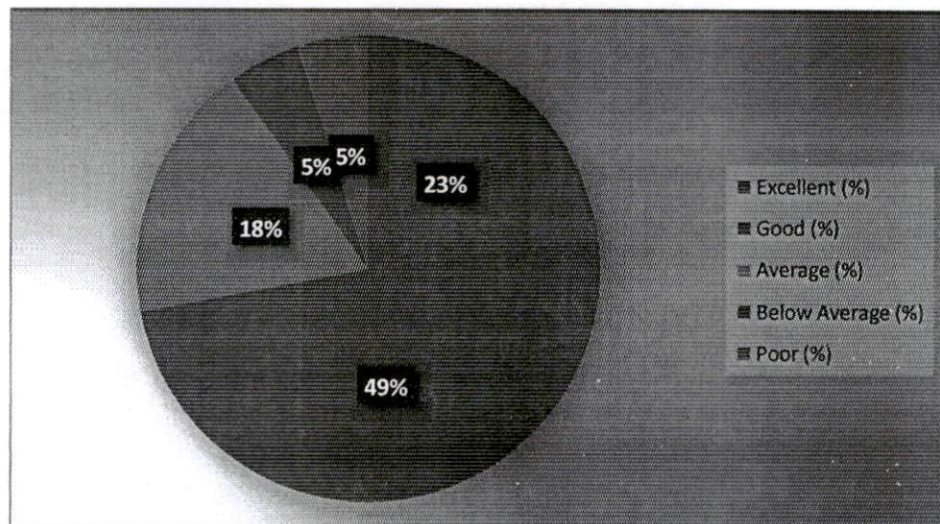
1. Curriculum is contemporary and need based.

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

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

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

Pie chart values: 5%, 8%, 19%, 19%, 49%
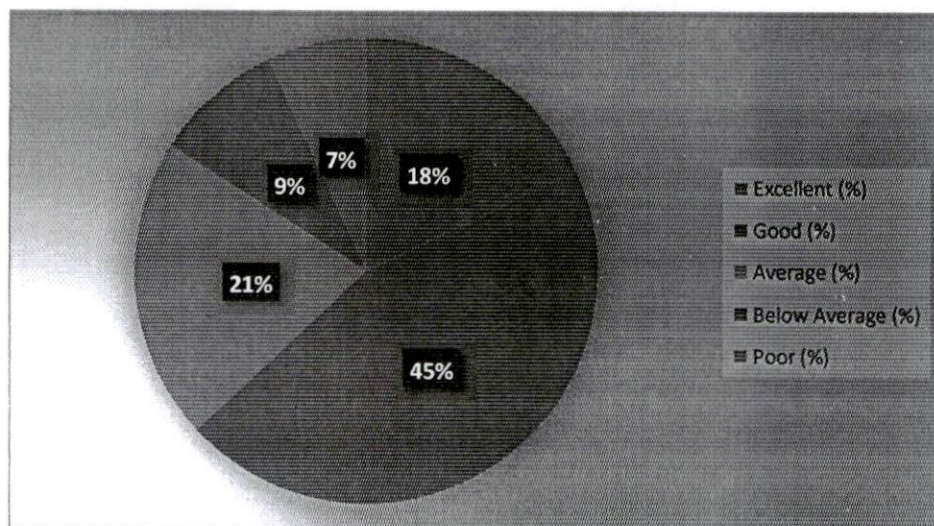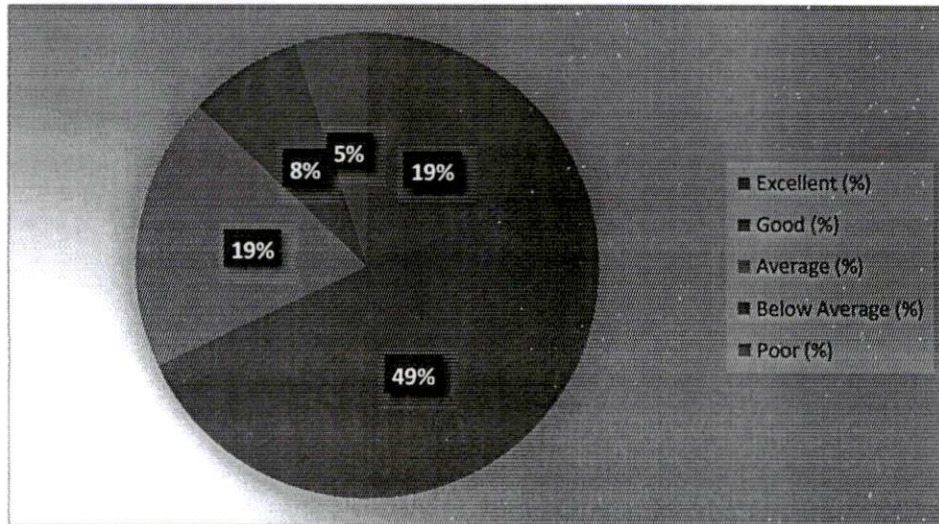
Suggest any courses to be added to /removed from the curriculum.

1. Protocol courses such as PCIe, DDR, USB4 & USB3 may be facilitated in the curriculum.
2. SOC Design Verification, Debug Techniques may be added
3. Design for Testability [DFT], Custom/Analog layout can be included in the curriculum.

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

1. QtCreator, MPLAB X to be mastered by Embedded Systems candidate to get through the industry.
2. Students should be acquittanced to the tools like NetBeans, MATLAB to be a part of the industry.
3. The tool ARM Keil is a trending tool which will help students to prove themselves in the industry if mastered.

Any other suggestions on Curriculum.

1. Domain specific tools and courses should be included in the curriculum so that students can fit into industry.

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

1. Incorporate courses in the curriculum so as to get the students ready to meet the industry requirements.

Program Coordinator

Head of the Department

Head of the Department
Department of E.C.E.
Aditya Engineering College (A9)

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Name of the program- **M. Tech (Embedded Systems)**

Faculty Feedback Analysis **(2018-2019)**

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	25	46	15	10	4	Excellent & Good	71%
2	The Program Educational Objectives, Program outcomes, Program Specific Outcomes, Course Objectives and Course Outcomes are well defined and clear.	19	45	19	13	4	Excellent & Good	64%
3	Curriculum has good balance of Theory and Practical courses.	23	44	18	9	6	Excellent & Good	67%
4	Faculty have the freedom to adopt new techniques for teaching like seminars, presentations, group discussions, flip class room etc.	22	46	17	9	6	Excellent & Good	68%
5	The hands-on experience gained by the students through the laboratory courses is up to the expectations.	13	52	18	12	5	Excellent & Good	65%
6	The students attain the PEOs, POs, PSOs and COs satisfactorily.	20	48	20	7	5	Excellent & Good	68%

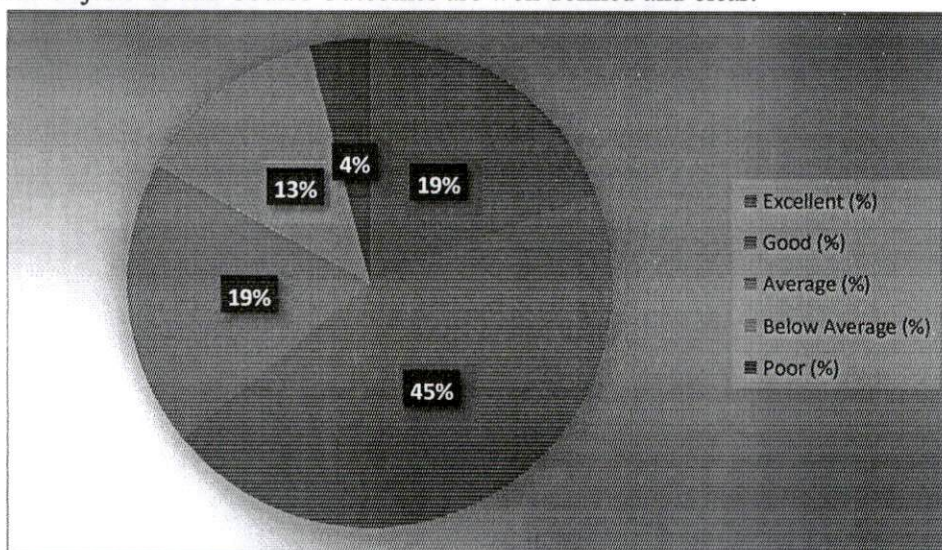| #	Statement						Rating	%
7	There is adequate emphasis on employability skills/ skill development/entrepreneurship in the curriculum.	19	52	18	6	5	Excellent & Good	71%
8	There is adequate emphasis on Communication Skills in the Curriculum	17	47	19	10	7	Excellent & Good	64%
9	There is adequate emphasis on Human Values, ethics and Professionalism in the Curriculum.	18	51	19	7	5	Excellent & Good	69%
10	The curriculum has sufficient number of electives.	23	46	21	5	5	Excellent & Good	69%
11	The electives offered in the curriculum suits the industry needs and technological advancements.	19	46	19	9	7	Excellent & Good	65%
12	The books prescribed/listed as reference in curriculum are relevant, appropriate and updated.	18	51	12	10	9	Excellent & Good	69%
13	The rubrics for assessment is described clearly and there is adequate weightage for Continuous Internal Evaluation and Semester End Examination	20	49	18	8	5	Excellent & Good	69%

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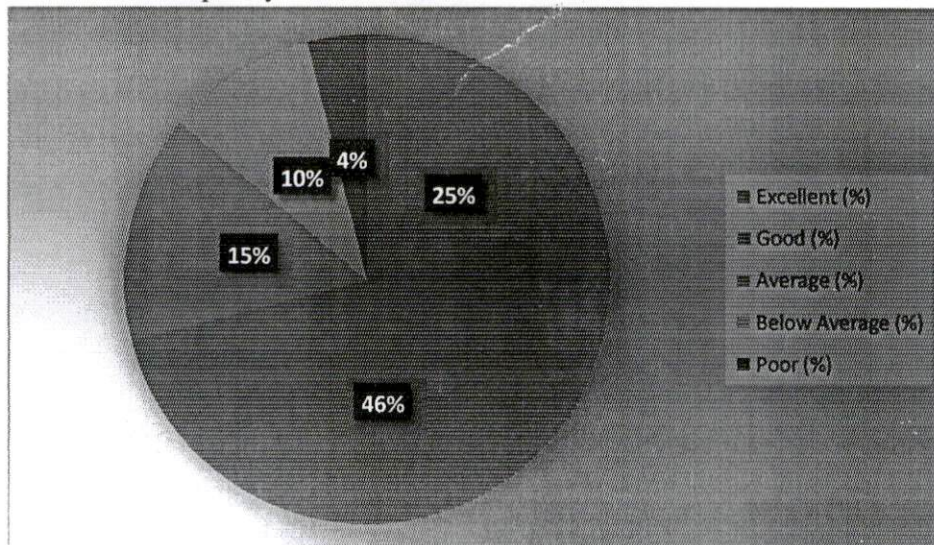
1. Curriculum is contemporary and need based

2. The Program Educational Objectives, Program outcomes, Program Specific Outcomes, Course Objectives and Course Outcomes are well defined and clear.
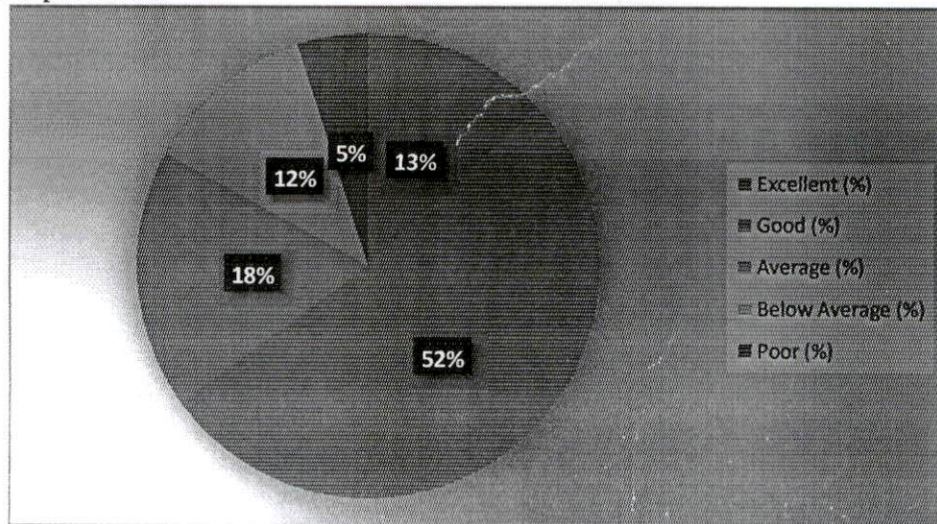
3. Curriculum has good balance of Theory and Practical courses.
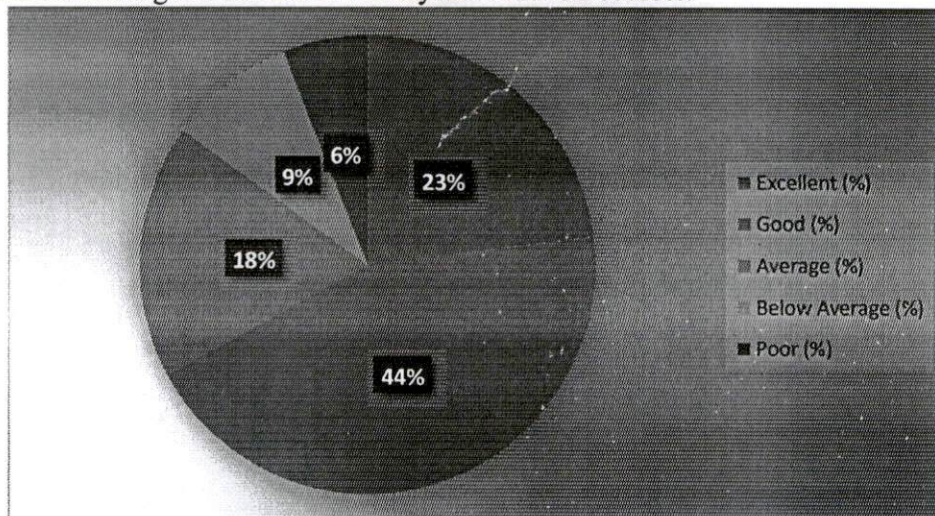
4. Faculty have the freedom to adopt new techniques for teaching like seminars, presentations, group discussions, flip class room etc.
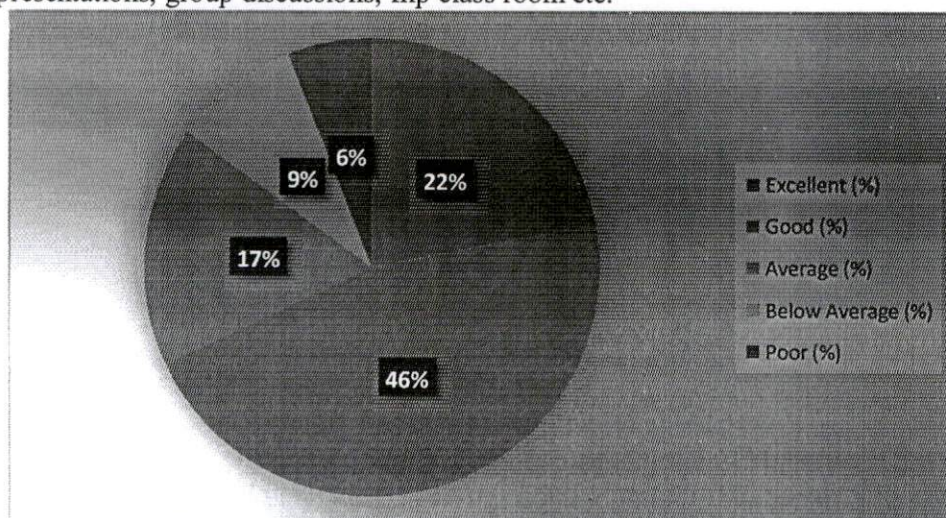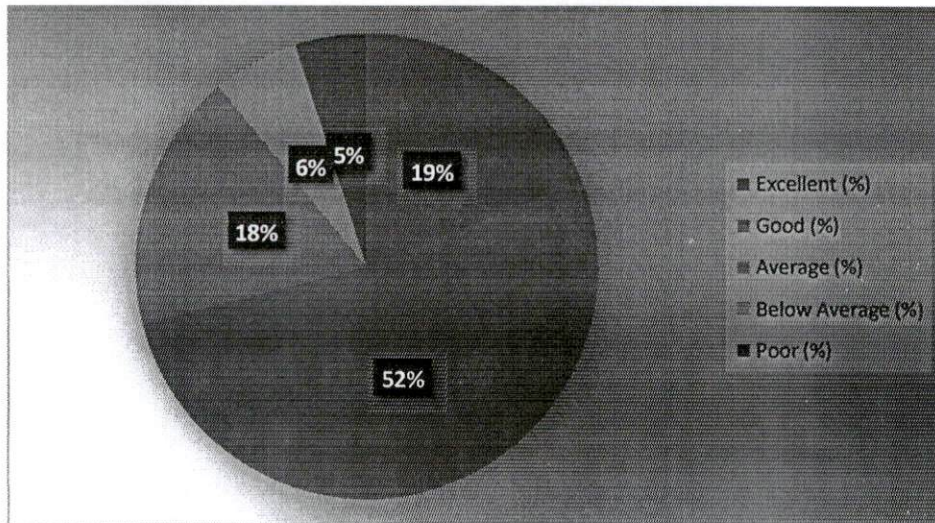
5. The hands-on experience gained by the students through the laboratory courses is up to the expectations.

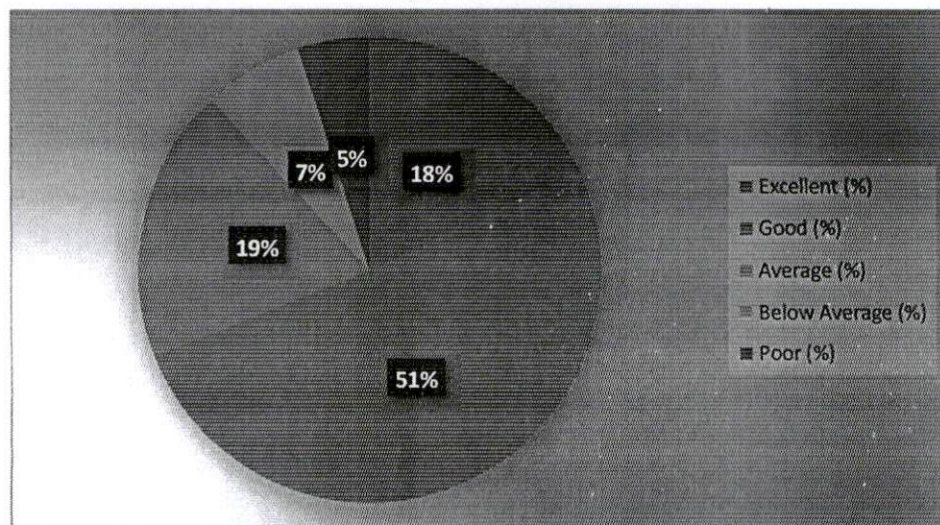6. The students attain the PEOs, POs, PSOs and COs satisfactorily.
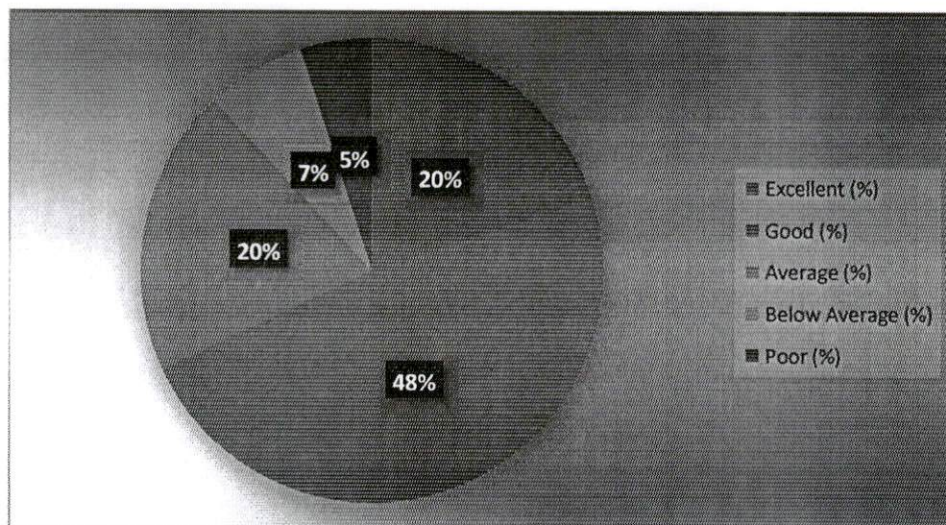
7. There is adequate emphasis on employability skills/ skill development/entrepreneurship in the curriculum
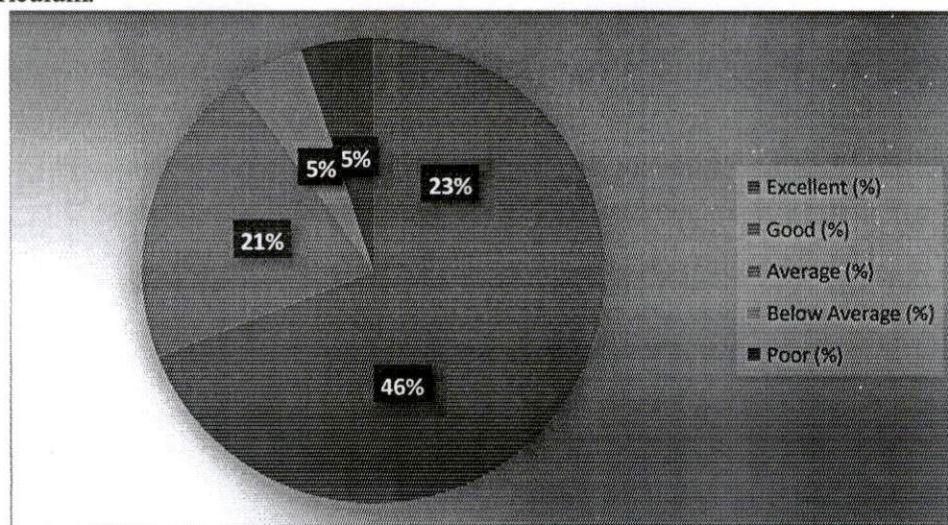

Legend	
Excellent (%)	
Good (%)	
Average (%)	
Below Average (%)	
Poor (%)	

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

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

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

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

Values: 5%, 7%, 18%, 19%, 51%

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

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

Values: 5%, 5%, 21%, 23%, 46%
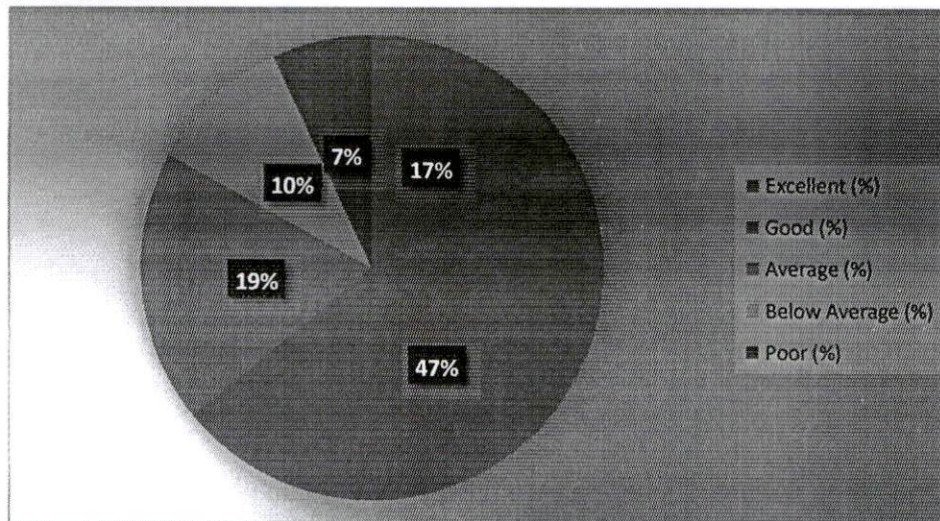
13. The books prescribed/listed as reference in curriculum are relevant, appropriate and updated.
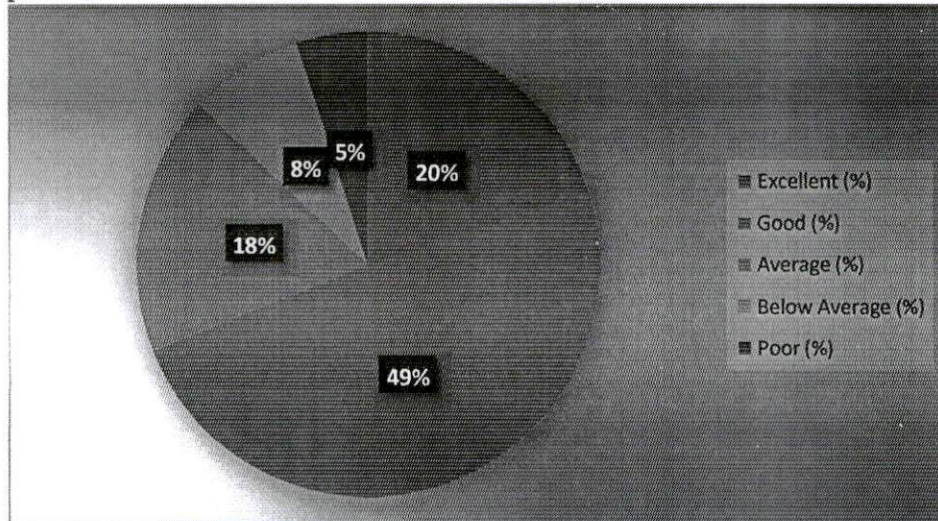
Give suggestions for improving the Curriculum

1. The curriculum should be designed so that students can prepare for higher education as well as job placement.
2. Students need appropriate direction for carrying out high-quality project work and doing research and development. These might be made easier.

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

1. Course content should be in such a way that the students can get ready for placement point of view and also higher studies.

Program Coordinator

Head of the Department

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Name of the program- **M. Tech (Embedded Systems)**

Student Feedback Analysis **(2018-2019).**

| 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	19	46	19	9	7	Excellent & Good	65%
2	Curriculum has good balance of Theory and Practical courses	18	56	10	9	7	Excellent & Good	74%
3	The curriculum has sufficient number of electives	20	54	13	8	5	Excellent & Good	74%
4	There is adequate emphasis on employability skills / skill development/entreprenurship in the curriculum.	25	46	19	6	4	Excellent & Good	71%
5	There is adequate emphasis on Communication Skills in the Curriculum.	28	45	18	5	4	Excellent & Good	73%
6	There is adequate emphasis on Human Values, ethics and Professionalism in the Curriculum.	21	51	16	7	5	Excellent & Good	72%
7	The electives offered in the curriculum suits the industry needs and technological advancements.	19	51	19	8	3	Excellent & Good	70%

8	The books prescribed/listed as reference in curriculum are relevant, appropriate and updated.	18	50	19	9	4	Excellent & Good	68%
9	The Program Educational Objectives, Program outcomes, Program Specific Outcomes, Course Objectives and Course Outcomes are well defined and clear.	19	51	19	8	3	Excellent & Good	70%
10	The rubrics for assessment is described clearly and there is adequate weightage for Continuous Internal Evaluation and Semester End Examination.	20	50	19	8	3	Excellent & Good	70%

Graphical representation of Students feedback on curriculum

1. Curriculum is contemporary and need based.
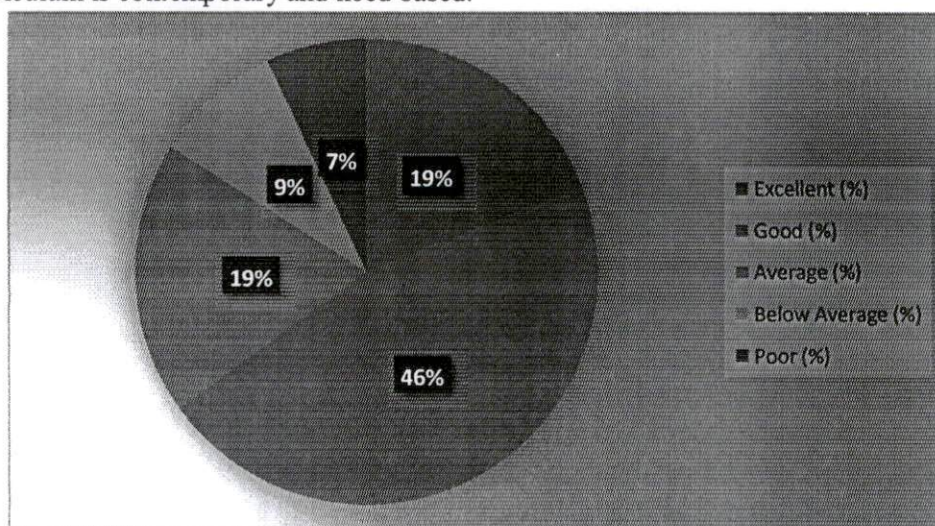
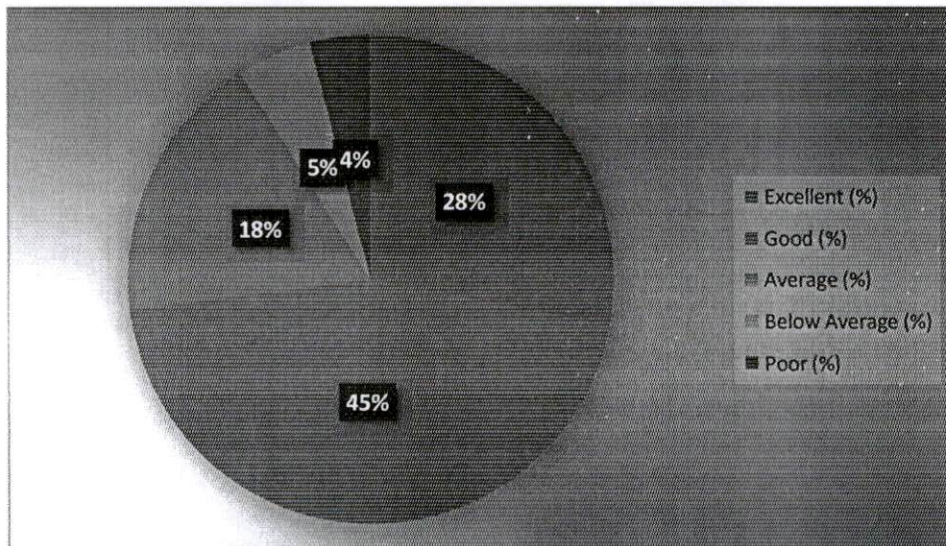2. Curriculum has good balance of Theory and Practical courses.
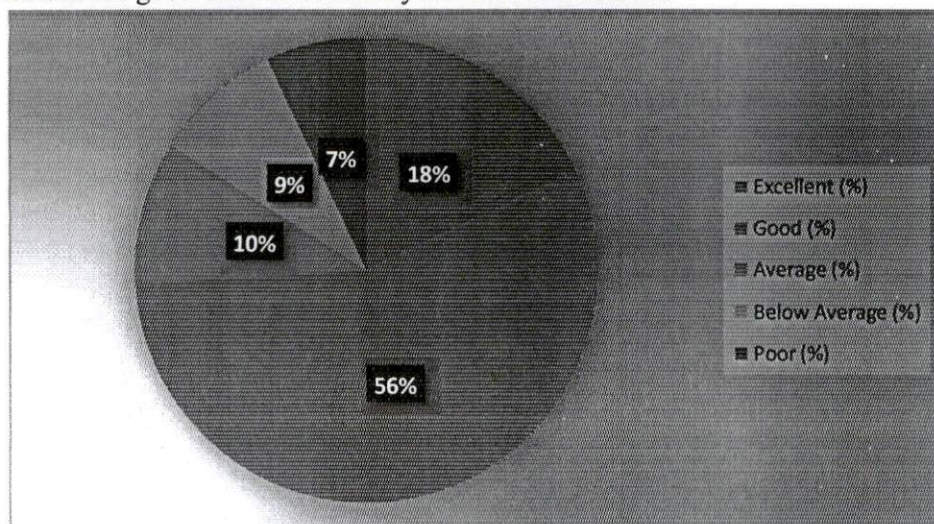
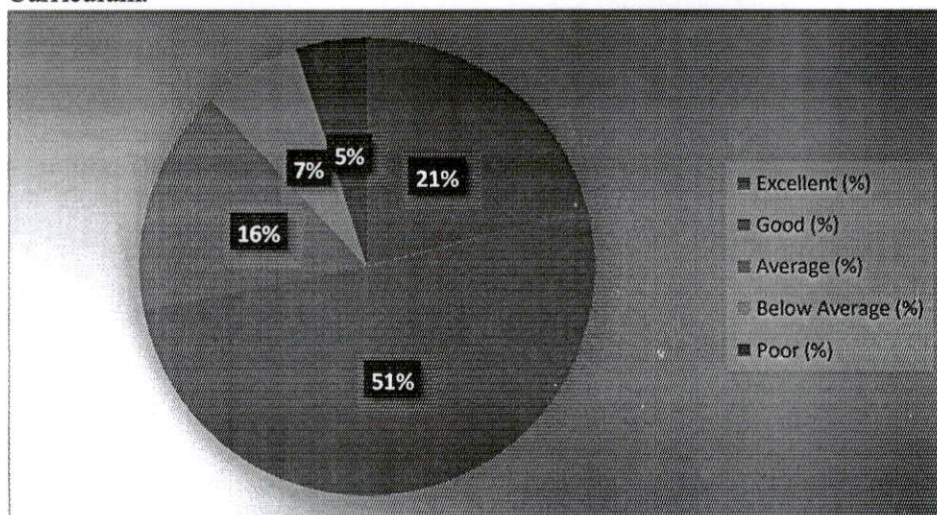3. The curriculum has sufficient number of electives.
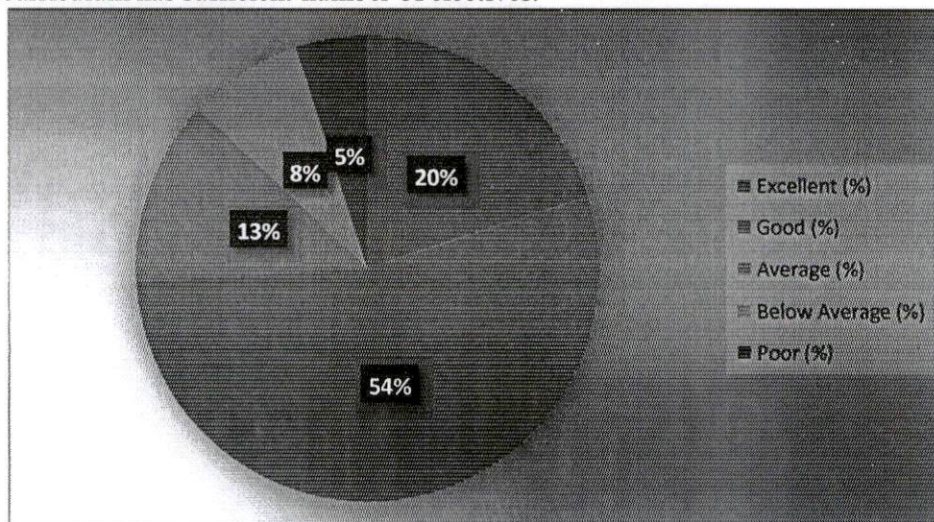
4. There is adequate emphasis on employability skills/ skill development/entrepreneurship in the curriculum.
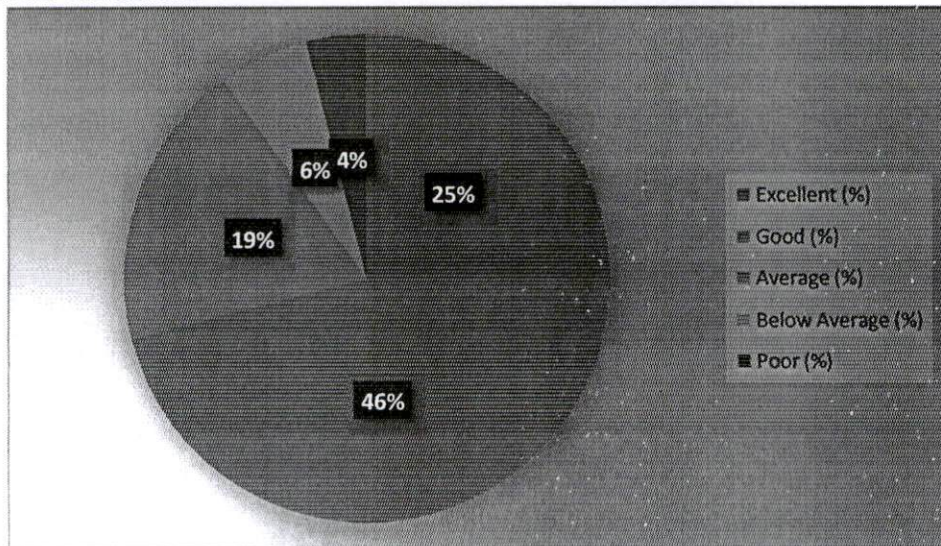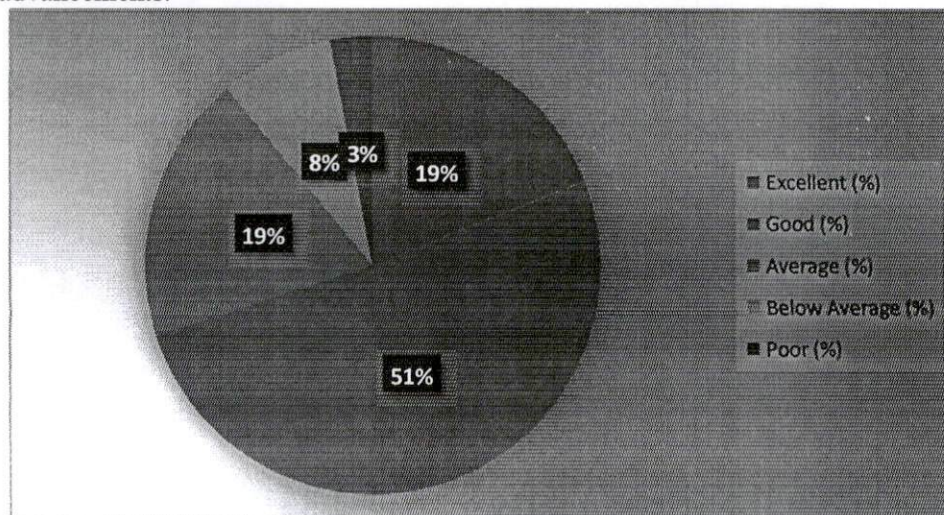

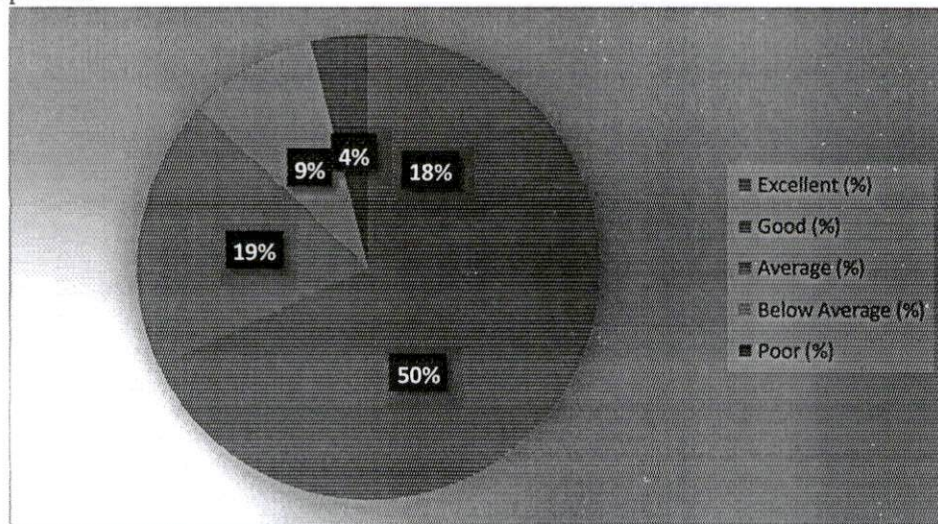5. There is adequate emphasis on Communication Skills in the Curriculum.

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.

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

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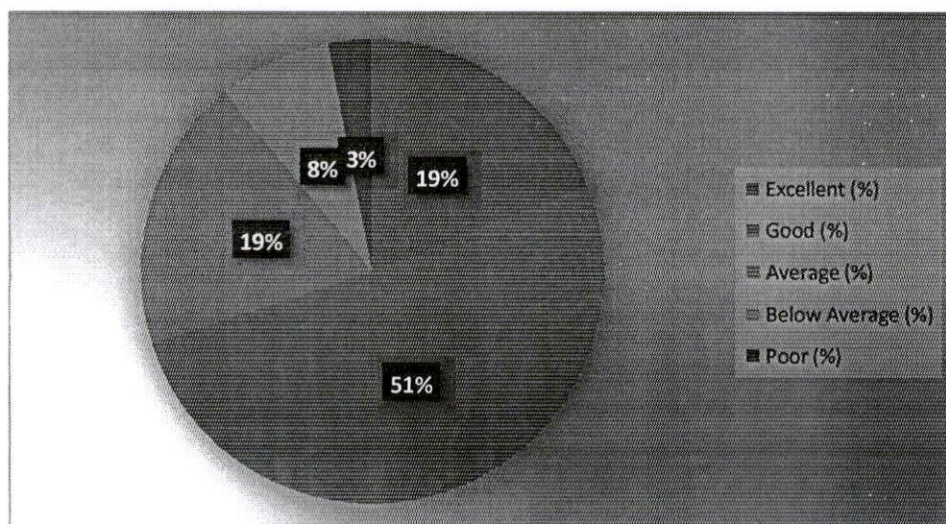
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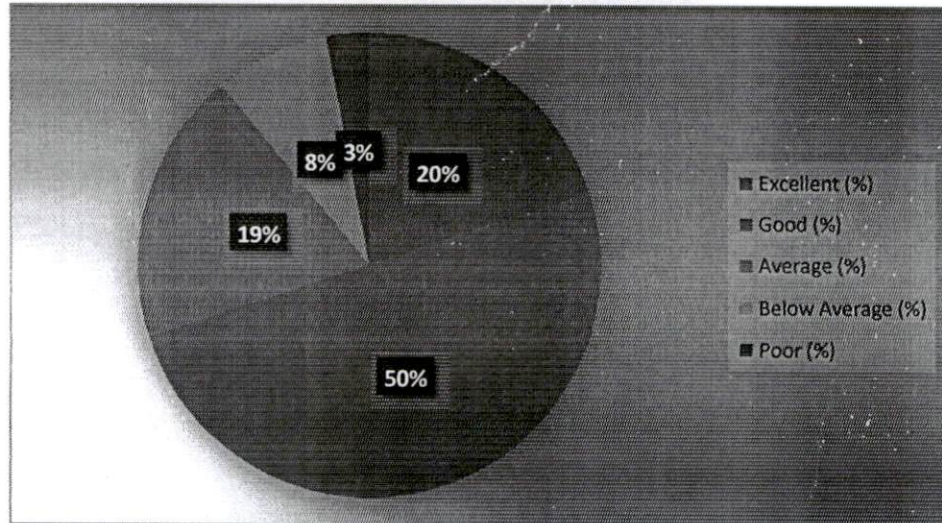
Give your suggestions for improving the curriculum.

1. Increase the number of lab sessions so as to facilitate more hands-on exposure.

2. Need more labs and practical sessions in the curriculum.

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

1. Students are very much enthusiastic in practical and project-oriented courses. It will help the student community if such courses are included in the curriculum.

Program Coordinator

Head of the Department