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

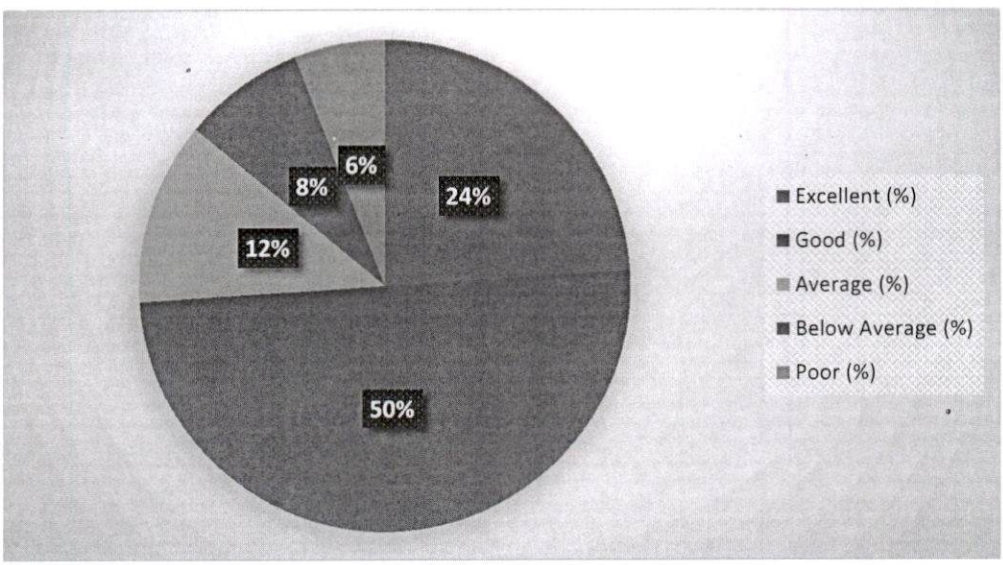
Program: **B. Tech**

Alumni Feedback Analysis (**2020-2021**)

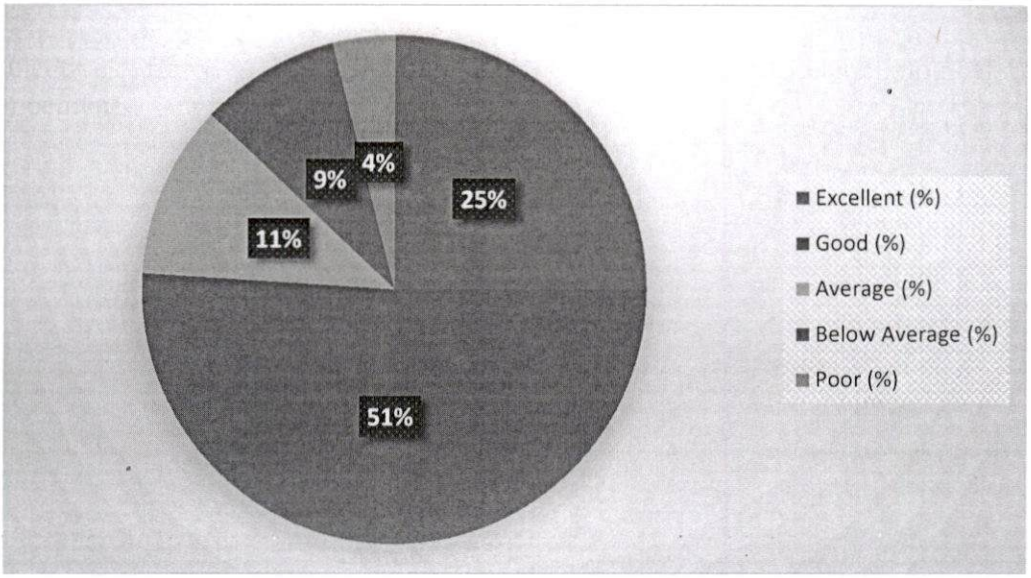
S. NO	Question related toCurriculum	Opinion of the alumni with percentage					Majority opinion	% of Majority Opinion
		Excellent (%)	Good (%)	Average (%)	Below Average (%)	Poor (%)		
1	Curriculum is contemporaryand need based	24	50	12	8	6	Excellent & Good	74%
2	There is adequate emphasis on employability skills/ skill development/entrepreneurship in the curriculum	25	51	11	9	4	Excellent & Good	76%
3	The electives offered in the curriculum suits the industryneeds and technological Advancements.	20	53	12	8	7	Excellent & Good	73%

Graphical representation of Alumni feedback analysis

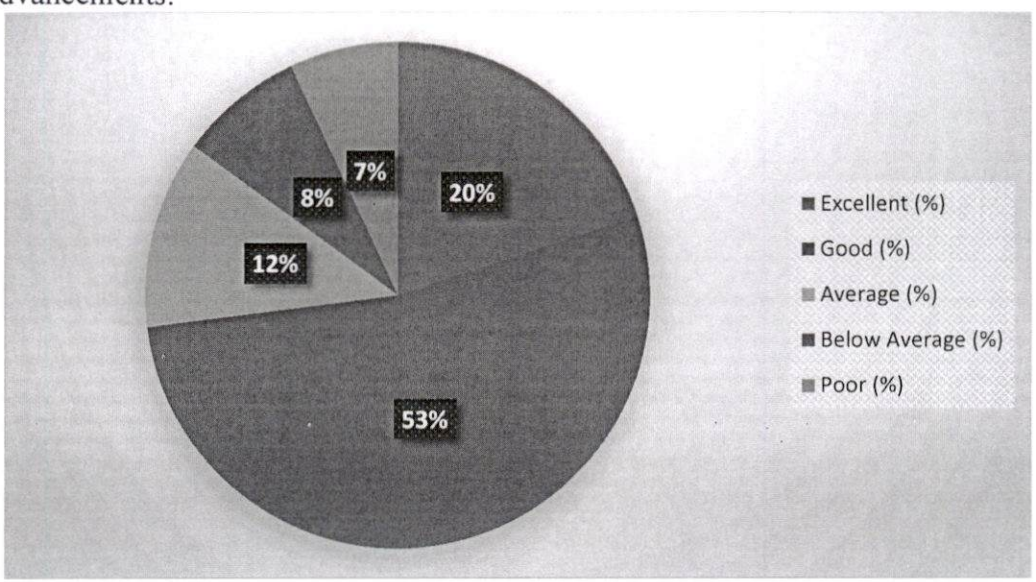
1. Curriculum is contemporary and need based.



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. The course Advanced Machine Learning and Signal Processing, is part of the Advanced Data Science Specialization. Should be included in the curriculum
2. The concepts Supervised and Unsupervised Machine Learning Models used by experts in many fields' relevant disciplines. This has many job opportunities. These courses should be added in the curriculum.
3. Nonlinear System analysis courses should be included in the curriculum.

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

1. Heterogeneity in algorithms, design methods, implementation technologies may be included.
2. Machine Learning and Internet of Things, this is very important for students in terms of job opportunities and internships.
3. Introduction to Embedded Systems, which will have more hands-on labs, practical experience, and something they can really use as a skill when they apply for jobs.

Give any other suggestions for improving the Curriculum.

1. Modern IT Signal Processing and Decision-Making Techniques for Machining with Zero Defects creates a lot of opportunities for the electronics and communication engineers. These courses should be a part of the curriculum.
2. Binary tree related course should be added in the curriculum.
3. Advanced Probability & Statistics for Engineers courses creates vast opportunities for jobs and higher studies as well. Suggested to include these courses in the curriculum.

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

1. Differential equations and linear algebra, Applied Physics courses are included in I[ST] semester. It will be a difficult task for fresh engineering graduate to handle two mathematical background courses in the very first semester. This may be taken care of to reduce the burden over an average performing students.
2. Environmental Science and Constitution of India are included in the same semester which is non- technical courses. Please substitute one of the courses with a technical course.
3. A course should be included in the curriculum which provides a proper guideline for project work.

A. Kora

Program Coordinator

G. Siddhartha

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

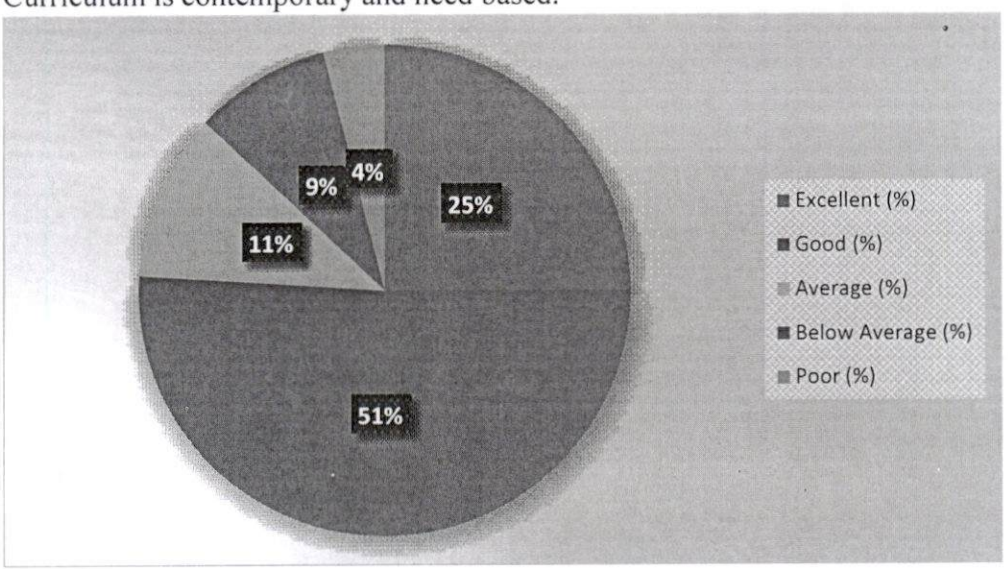
Name of the program- **B. Tech**

Employer Feedback Analysis **(2020-2021)**

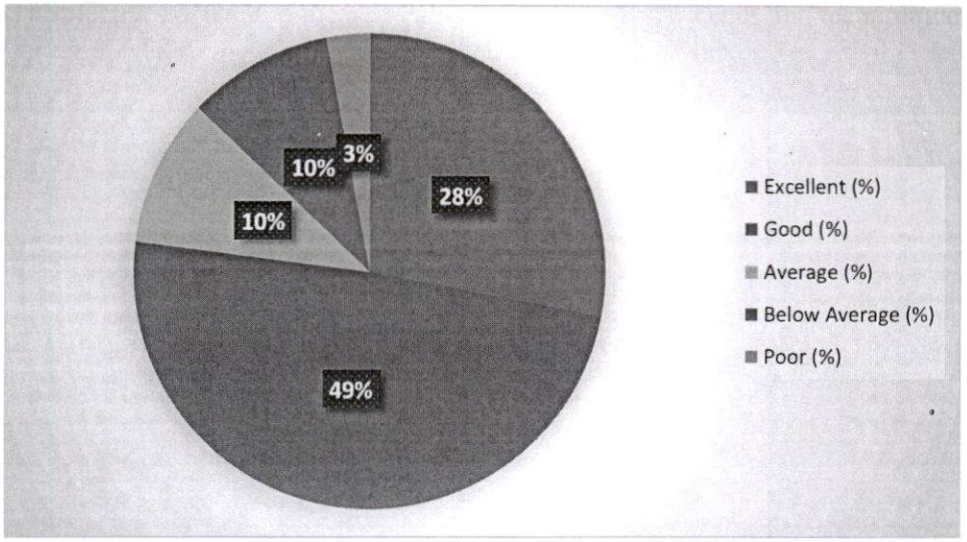
S. NO	Question related to Curriculum	Opinion of the employer with percentage					Majority opinion	% of Majority Opinion
		Excellent (%)	Good (%)	Average (%)	Below Average (%)	Poor (%)		
1	Curriculum is contemporary and need based	25	51	11	9	4	Excellent & Good	76%
2	There is adequate emphasis on employability skills/ skill development/entrepreneur in the curriculum	28	49	10	10	3	Excellent & Good	77%
3	The electives offered in the curriculum suitsthe industry needs and technological advancements.	20	60	12	6	2	Excellent & Good	80%

Graphical representation of Employer feedback analysis

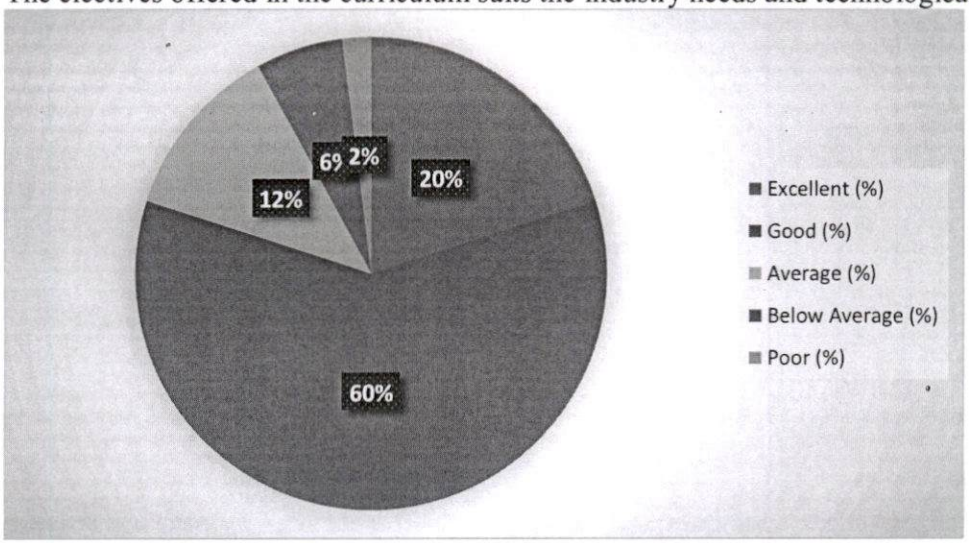
1. Curriculum is contemporary and need based.



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 technologicaladvancements.



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

1. Big Data is an important course which is to be included in the curriculum.
2. Machine Learning and Internet of Things, this is very important for students in terms of job opportunities and internships.
3. Multimedia Processing for the signals course offers wide opportunities, related courses may be introduced.

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

1. Knowledge of semiconductor/VLSI design and designing chip.
2. fundamentals of digital and analog circuits, design methodologies.
3. hardware description languages.

Any other suggestions on Curriculum.

1. Analytical and Problem-Solving skills are on the go, making an effort to expanding your problem-solving ability and analytical ability will build your employ-ability because it's more practical than any other theoretical skill. These related courses may be added.
2. Technical skills such as that of C, C++, Java, Data Structures which we can say are practically compulsory for engineers. Also, learning some level of Web Development, DBMS and SQL will give you an edge over others in the industry. May be included in the curriculum.
3. Some specific tools for Electronics and Communication are PCB design and EDA tools, Embedded systems, Electromagnetic applications, and technical calculation and perception should be facilitated.

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

1. Institution and Industry interaction is needed for the students.
2. Include cutting technologies in the syllabus.
3. Include a greater number of courses related to IT.

A Kad

Program Coordinator

G. Seidu

Head of the Department

Head of the Department
Department of E.C.E.
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Name of the program- **B. Tech**

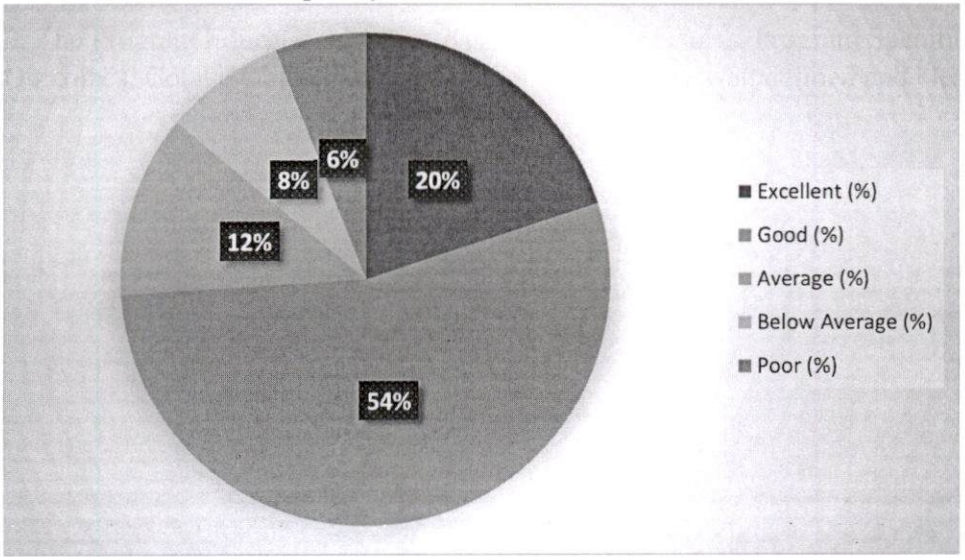
Teachers' Feedback Analysis **(2020-2021)**

S. NO	Question related to Curriculum	Opinion of the teachers with percentage					Majority opinion	% of Majority Opinion
		Excellent (%)	Good (%)	Average (%)	Below Average (%)	Poor (%)		
1	Curriculum is contemporary and need based	20	54	12	8	6	Excellent & Good	74%
2	The Program Educational Objectives, Program outcomes, Program Specific Outcomes, Course Objectives and Course Outcomes are well defined and clear.	18	54	18	6	4	Excellent & Good	72%
3	Curriculum has good balance of Theory and Practical courses.	19	57	9	9	6	Excellent & Good	76%
4	Faculty have the freedom to adopt new techniques for teaching like seminars, presentations, group discussions, flip class room etc.	25	58	8	5	4	Excellent & Good	83%
5	The hands-on experience gained by the students through the laboratory courses is up to the expectations.	20	53	12	10	5	Excellent & Good	73%

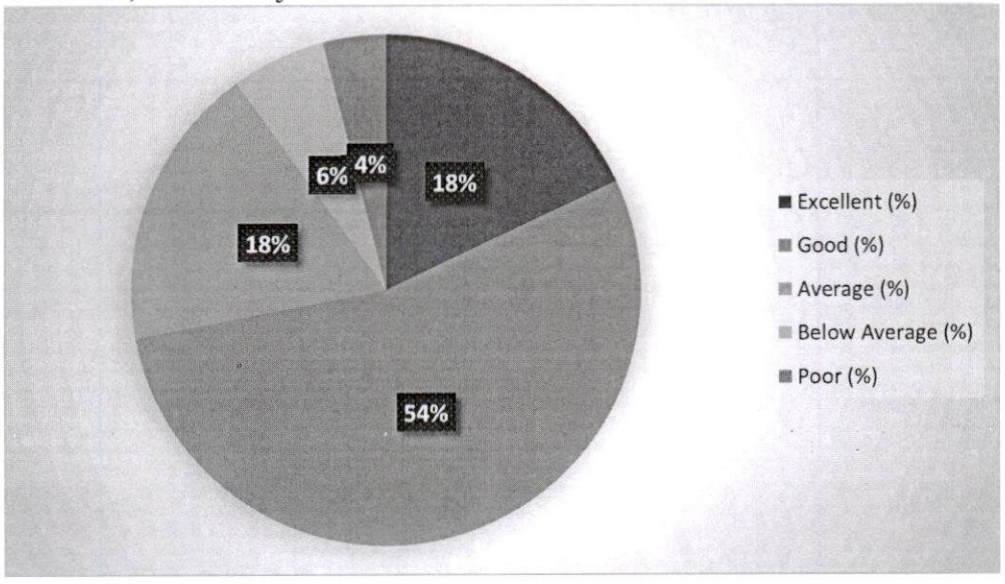
6	The students attain the PEOs, POs, PSOs and COs satisfactorily.	21	55	10	10	4	Excellent & Good	76%
7	There is adequate emphasis on employability skills/ skill development/entre preneurship in the curriculum.	23	58	6	7	6	Excellent & Good	81%
8	There is adequate emphasis on Communication Skills in the Curriculum	17	57	14	8	4	Excellent & Good	74%
9	There is adequate emphasis on Human Values, ethics and Professionalism in the Curriculum.	18	57	13	7	5	Excellent & Good	75%
10	The curriculum has sufficient number of electives.	24	60	8	5	3	Excellent & Good	84%
11	The electives offered in the curriculum suits the industry needs and technological advancements.	27	50	11	7	5	Excellent & Good	77%
12	The books prescribed/listed as reference in curriculum are relevant, appropriate and updated.	28	51	10	7	4	Excellent & Good	79%
13	The rubrics for assessment is described clearly and there is adequate weightage for Continuous Internal Evaluation and Semester End Examination	26	58	6	6	4	Excellent & Good	84%

Graphical representation of Teacher feedback on curriculum

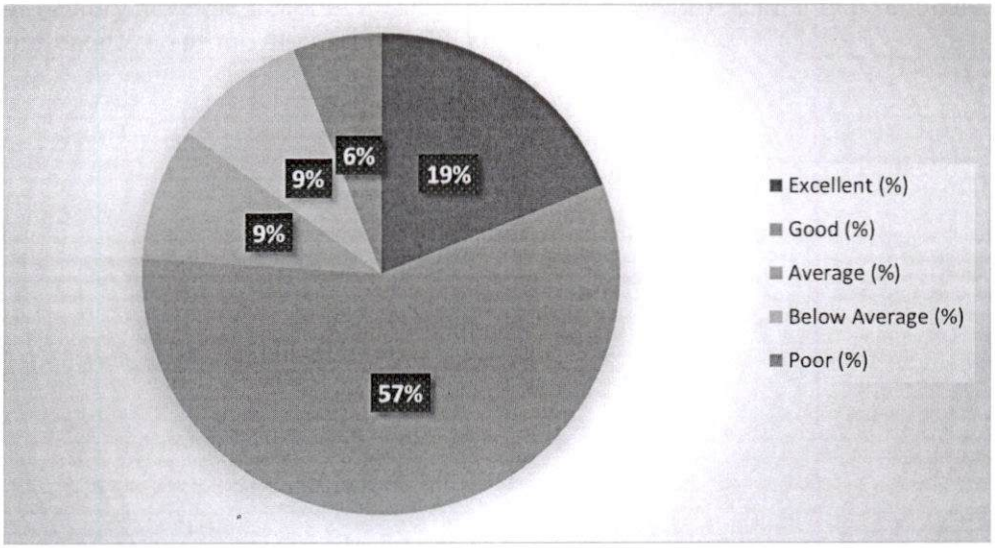
1. Curriculum is contemporary and need based



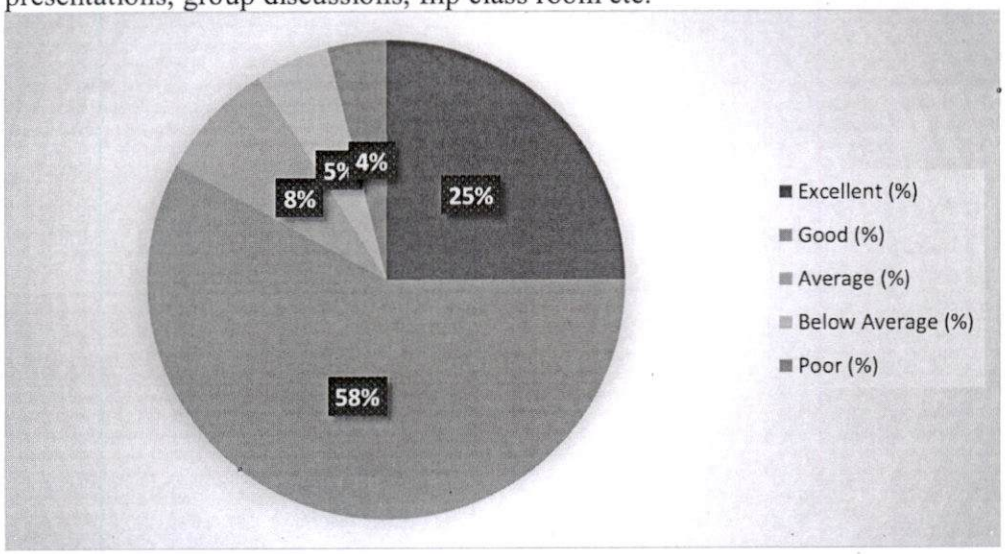
2. The Program Educational Objectives, Program outcomes, Program Specific Outcomes, Course Objectives and Course Outcomes are well defined and clear.



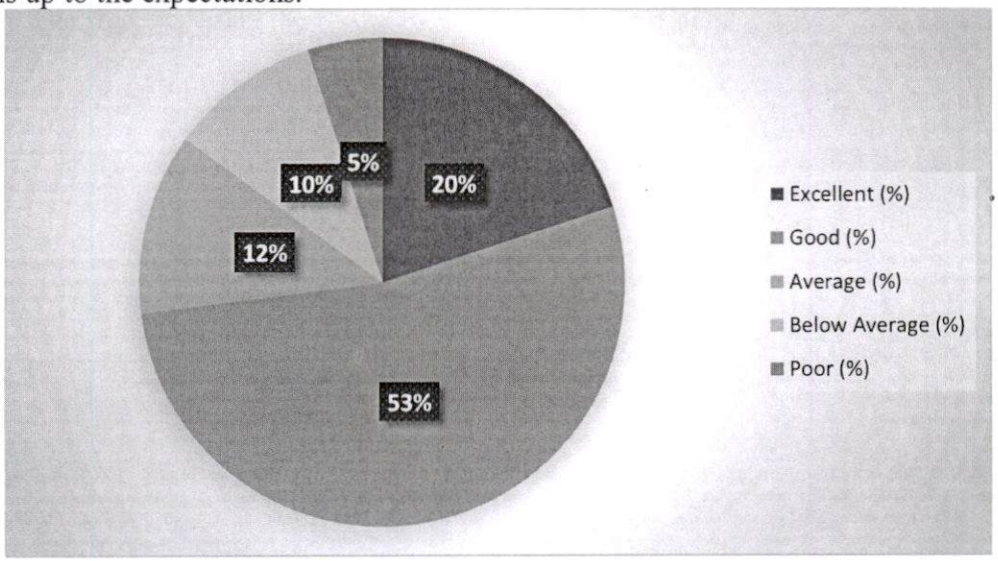
3.Curriculum has good balance of Theory and Practical courses.



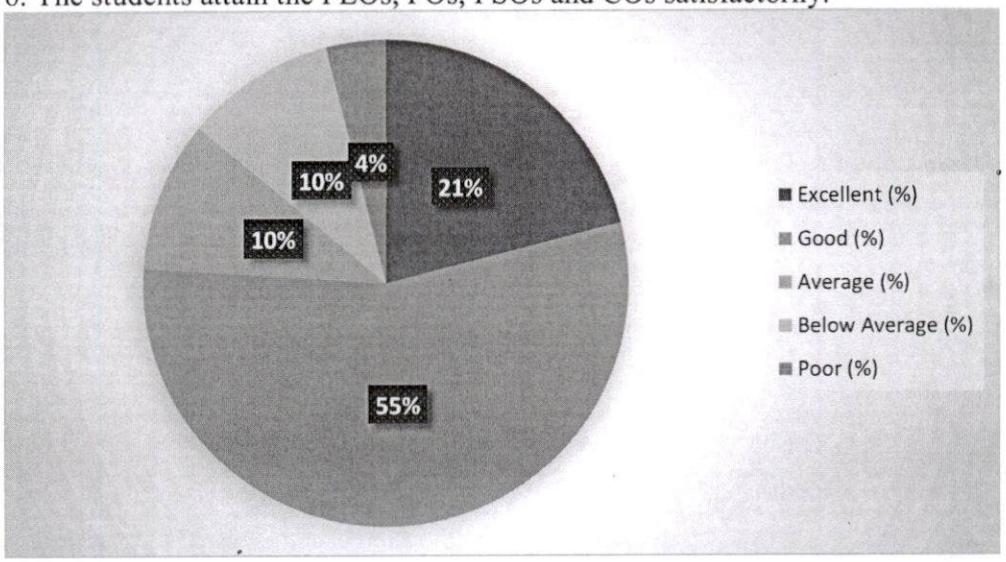
4. Faculty have the freedom to adopt new techniques for teaching like seminars, presentations, group discussions, flip class room etc.



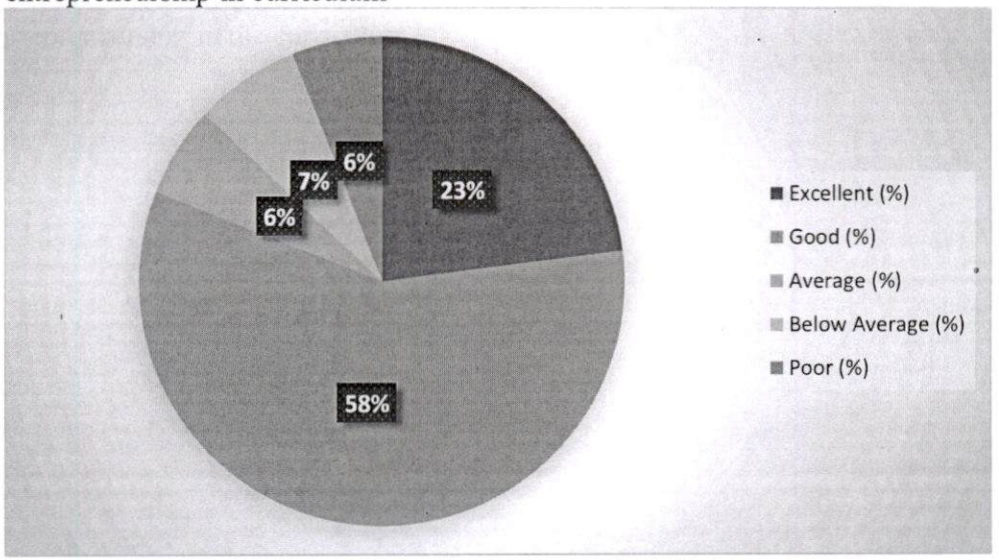
5. The hands-on experience gained by the students through the laboratory courses is up to the expectations.



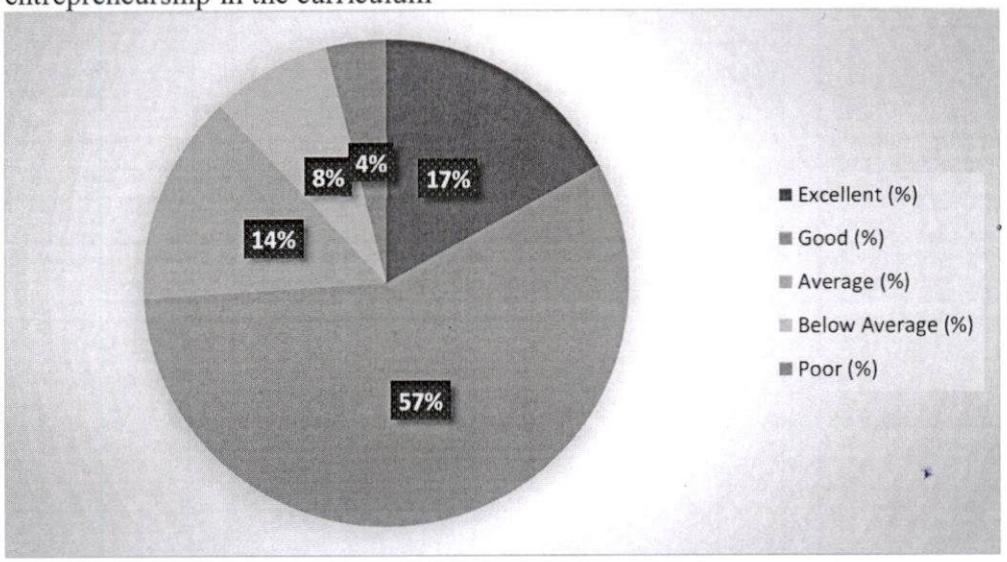
6. The students attain the PEOs, POs, PSOs and COs satisfactorily.



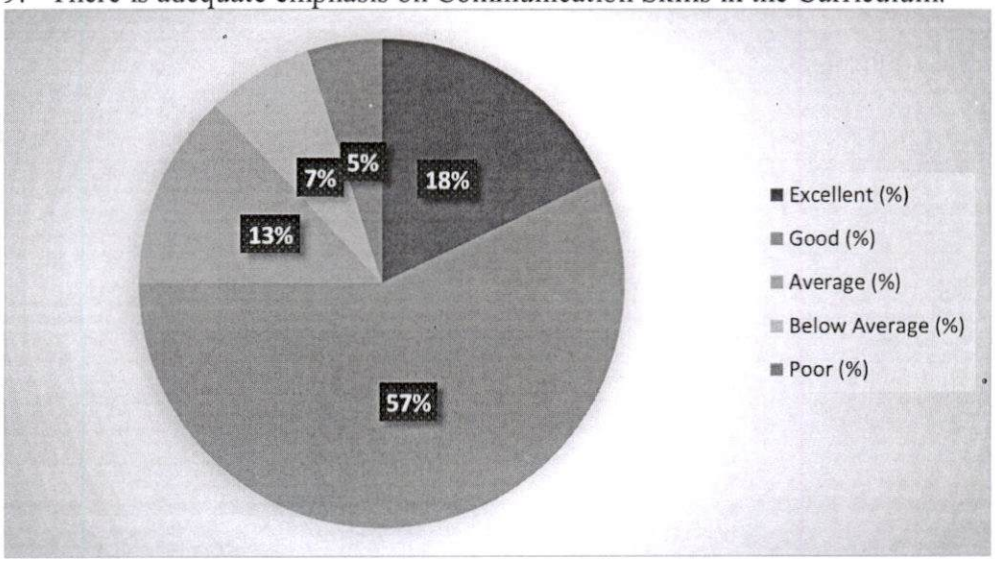
7. There is adequate emphasis on employability skills/ skill development / entrepreneurship in curriculum



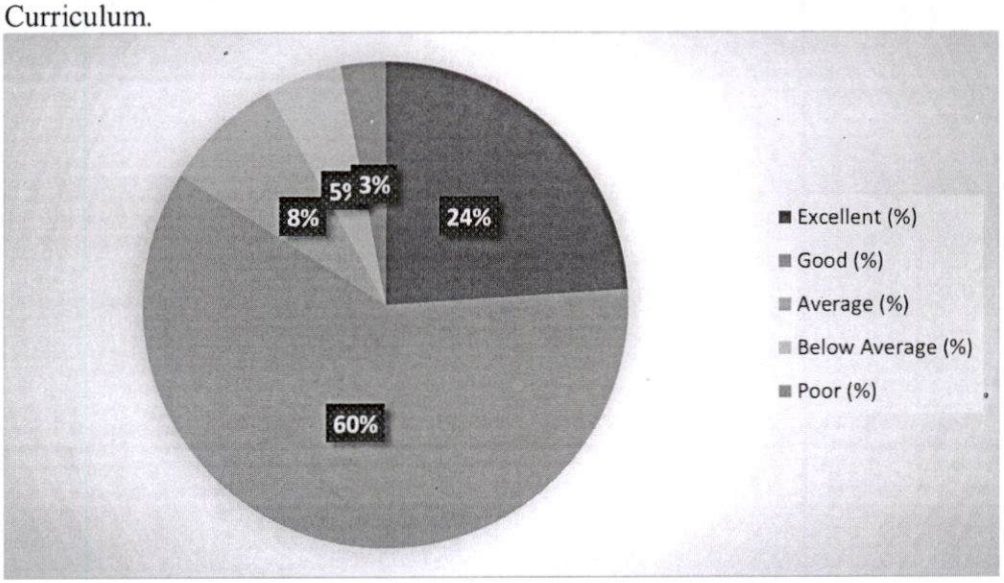
8 There is adequate emphasis on employability skills/ skill development / entrepreneurship in the curriculum



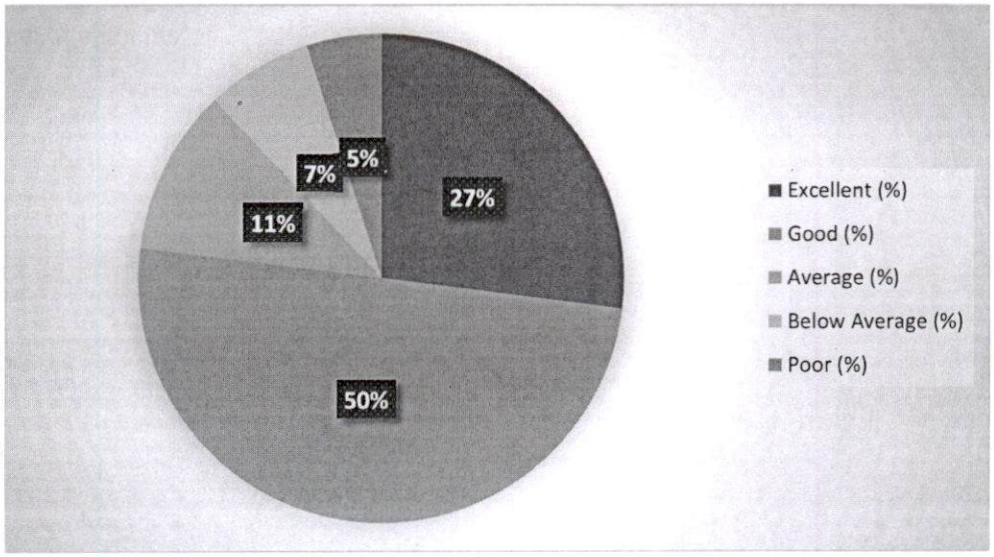
9. There is adequate emphasis on Communication Skills in the Curriculum.



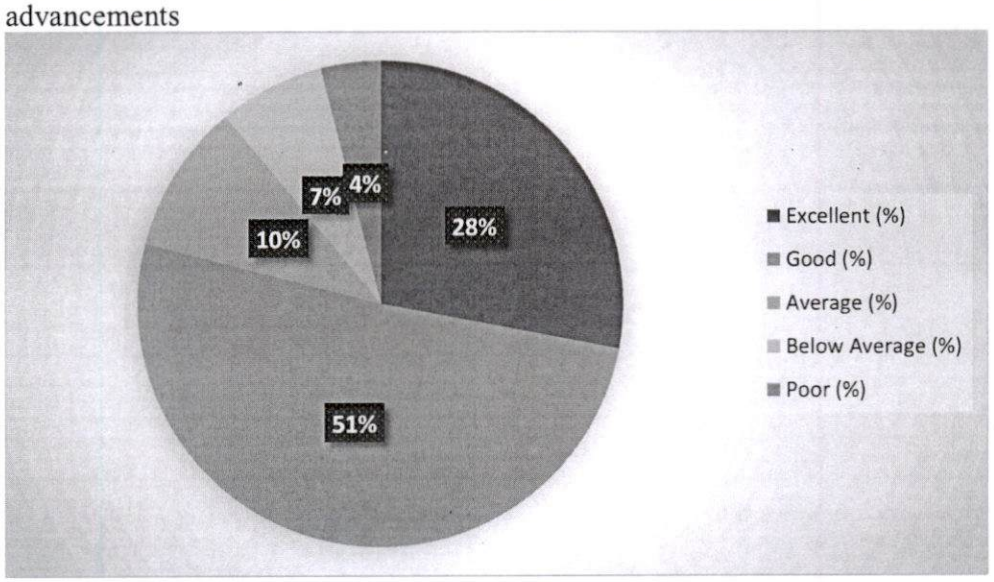
10. There is adequate emphasis on Human Values, ethics and Professionalism in the Curriculum.



11. The curriculum has sufficient number of electives.



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



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DEPARTMENT OF ELECTRONICS and COMMUNICATION ENGINEERING

Program: B. Tech

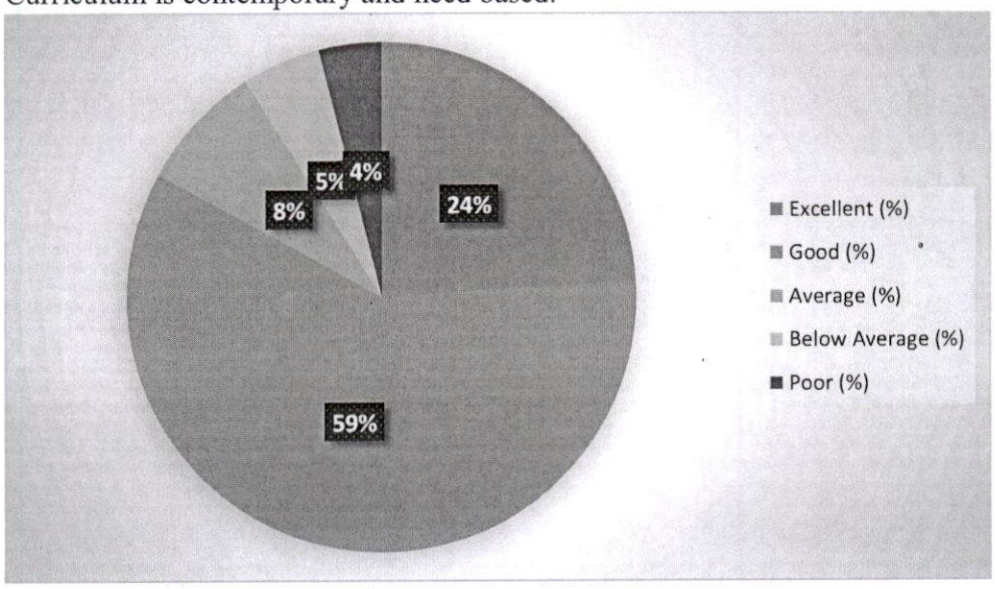
Student Feedback Analysis (2020-2021)

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	24	59	8	5	4	Excellent & Good	83%
2	Curriculum has good balance of Theory and Practical courses	23	61	8	5	3	Excellent & Good	84%
3	The curriculum has sufficient number of electives	25	58	9	6	2	Excellent & Good	83%
4	There is adequate emphasis on employability skills / skill development/entreprene urship in the curriculum.	25	58	8	5	4	Excellent & Good	83%
5	There is adequate emphasis on Communication Skills in the Curriculum.	28	57	7	4	4	Excellent & Good	85%
6	There is adequate emphasis on Human Values, ethics and Professionalism in the Curriculum.	22	61	8	5	4	Excellent & Good	83%
7	The electives offered in the curriculum suits the industry needs and technological advancements.	24	62	6	6	2	Excellent & Good	86%

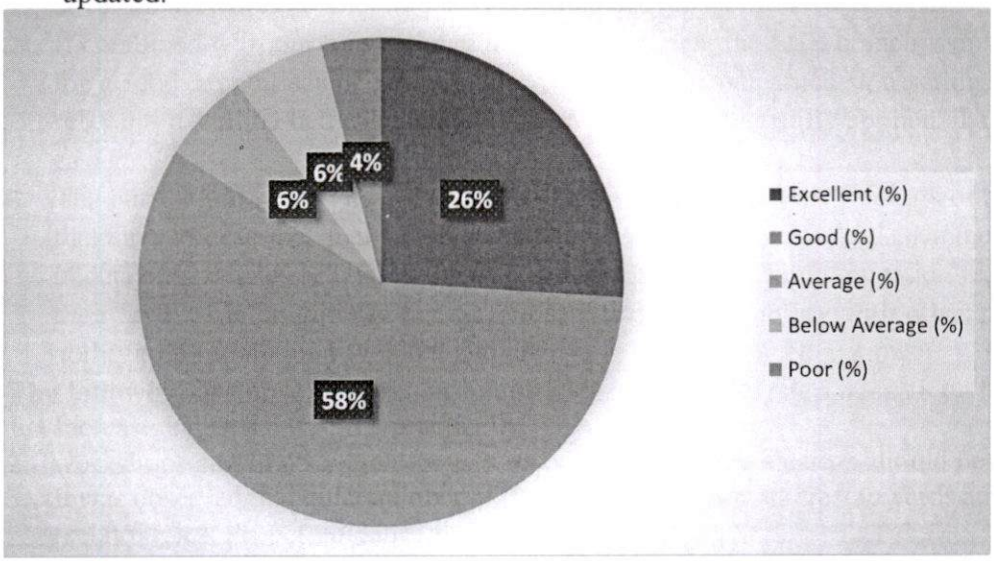
8	The books prescribed/listed as reference in curriculum are relevant, appropriate and updated.	23	61	7	5	4	Excellent & Good	84%
9	The Program Educational Objectives, Program outcomes, Program Specific Outcomes, Course Objectives and Course Outcomes are well defined and clear.	27	59	6	6	2	Excellent & Good	86%
10	The rubrics for assessment are described clearly and there is adequate weightage for Continuous Internal Evaluation and Semester End Examination.	27	58	8	5	3	Excellent & Good	85%

Graphical representation of Students feedback on curriculum

1. Curriculum is contemporary and need based.



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



Give suggestions for improving the Curriculum.

1. The authentic assessment must be able to define the attitudes, abilities, and knowledge that students have or have not had, how they apply their knowledge, and how well they have or have not been able to integrate learning acquisition.
2. If combined with the conventional teaching approach, the ECE branch is an effective strategy for a fundamental science like anatomy. If anatomy is learned in a setting that is clinically relevant, it will be better understood, kept, and later practically applied. This might be made easier.
3. The curriculum should be structured so that it incorporates the findings of a research project that aims to describe, analyze, interpret, and evaluate the technological and educational vision underlying policies related to the use of information and communication technologies (ICT), their level of integration in the curriculum, their compatibility with other policies, and their ability to promote improvement and change in compulsory education.

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

1. Increase industrial training practically.
2. workshops and FDPs which focuses on outcome-based education should be organized.
3. It was observed that quiet number of students are showing interest towards animation and VFX technologies. Proper guidance may be suggestable.

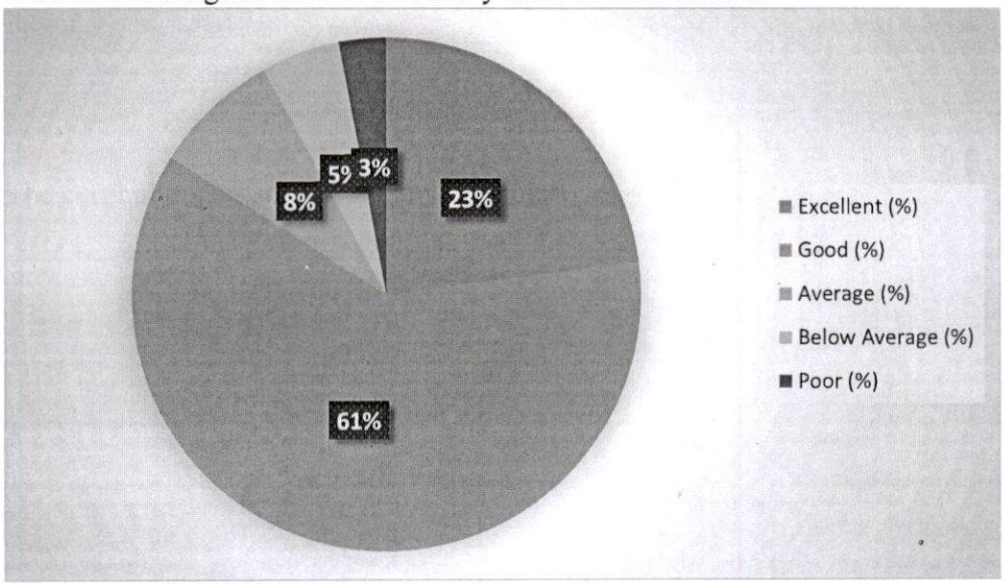
A Kavi

Program Coordinator

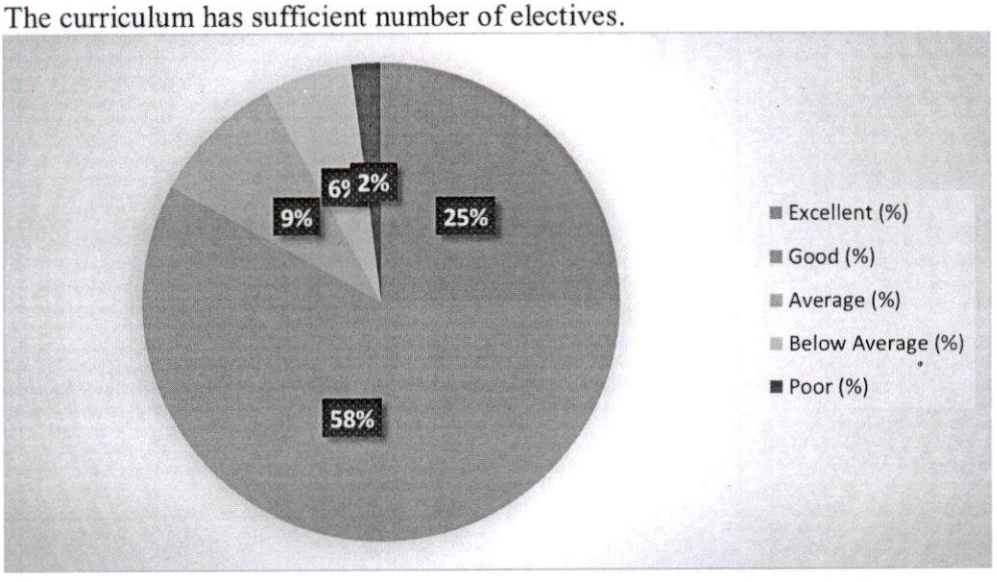
Head of the Department

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

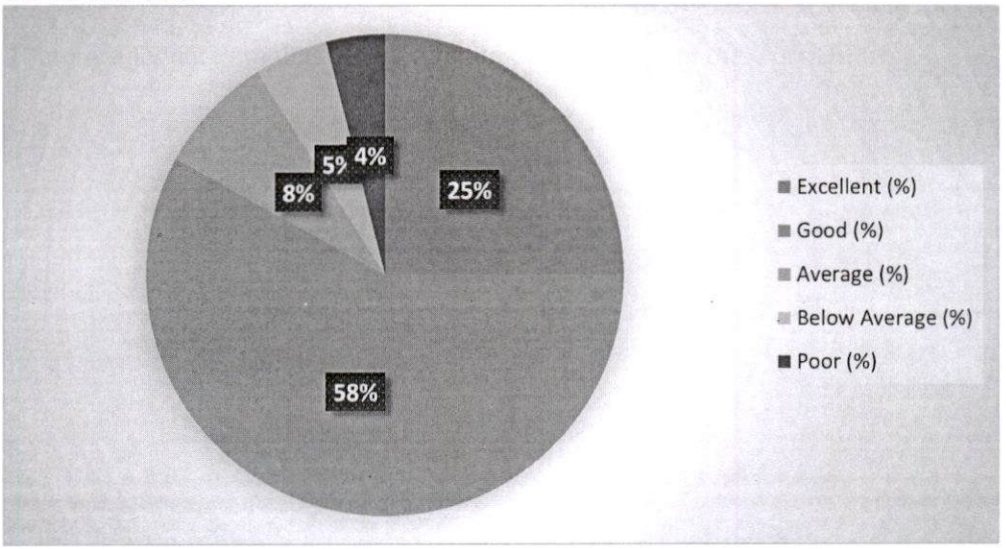
2. Curriculum has good balance of Theory and Practical courses.



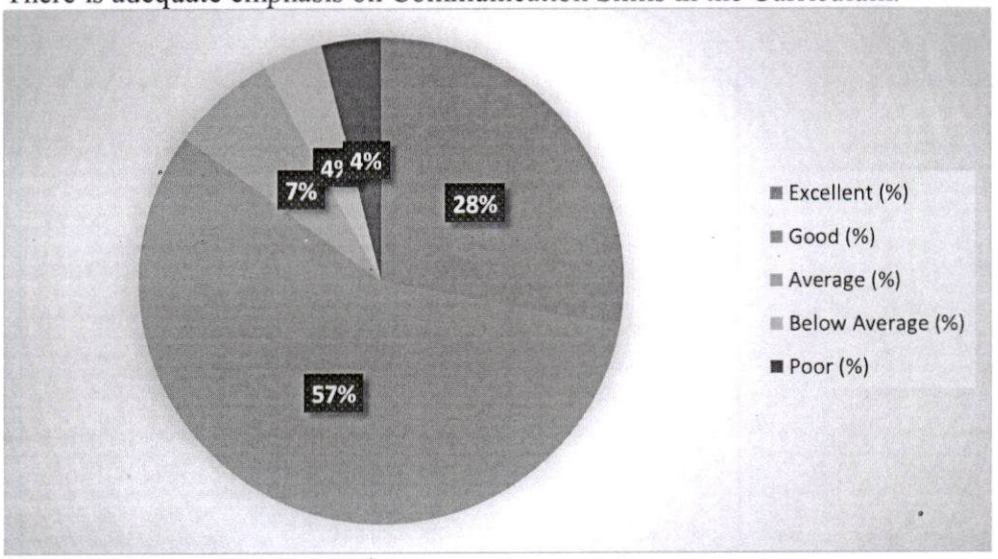
3. The curriculum has sufficient number of electives.



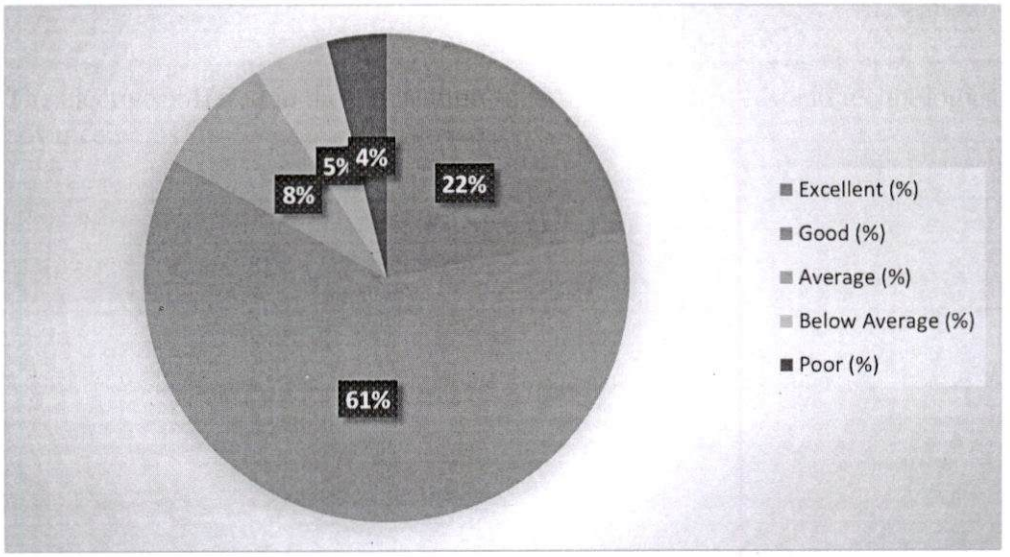
4. There is adequate emphasis on employability skills/ skill development/entrepreneurship in the curriculum.



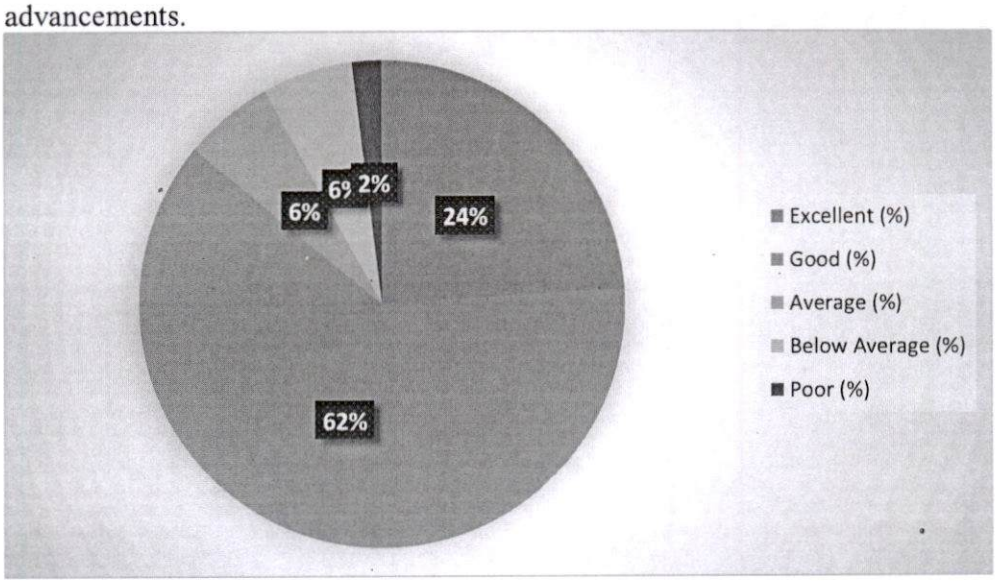
5. There is adequate emphasis on Communication Skills in the Curriculum.



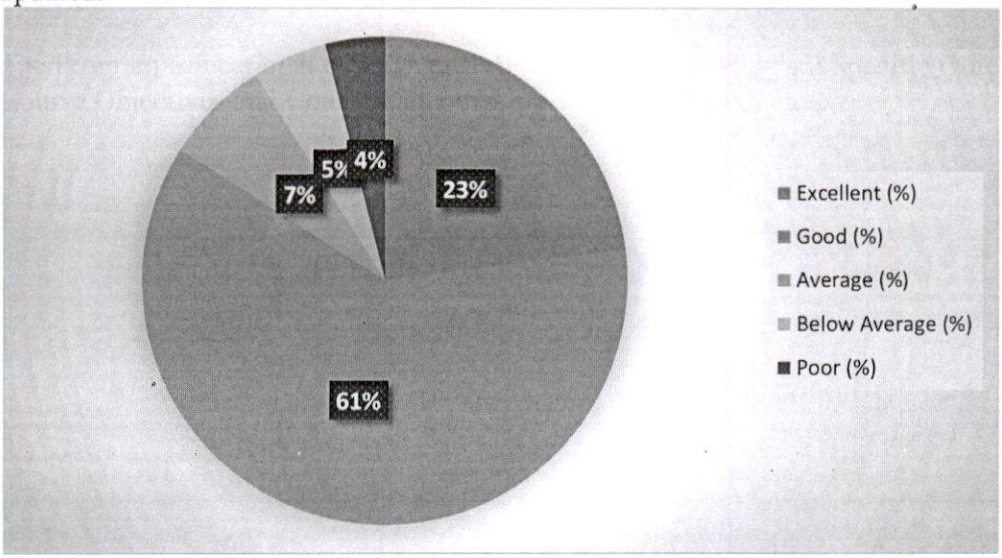
6. There is adequate emphasis on Human Values, ethics and Professionalism in the Curriculum.



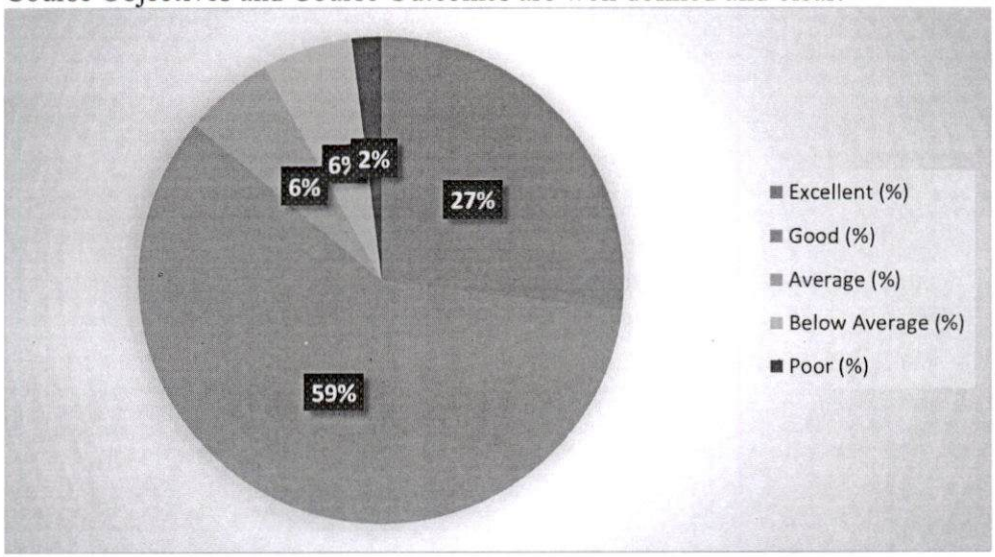
7. The electives offered in the curriculum suits the industry needs and technological advancements.



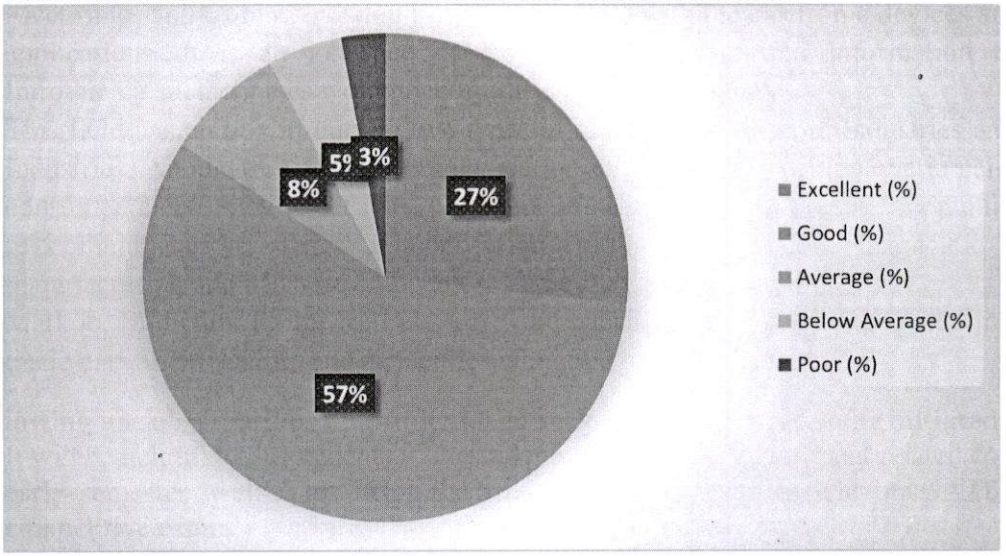
8. The books prescribed/listed as reference in curriculum are relevant, appropriate and updated.



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. Electronics and Communication Engineering deals with the electronic devices and software applications. It is an interface of chip level hardware and information technology. Introducing such courses would benefit the student community.
2. This field has an opportunity in two types of companies, Telecom Industries and Software Industries. An electronics and communication engineer can work in aviation and avionics, consumer electronics, electricity plant, manufacturing, transportation, communication & telecommunication, computer application, radio & television, diagnostic equipment manufacturing and offshore companies. These may be facilitated.
3. MatLab, Multisim, PSim, Keil etc. software packages/ Any software related to subjects if made part of curriculum and academics would be of great help.

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

1. It will be helpful to the students if the students come across department related courses in the early semester itself. This helps the students in having an insight on GATE and other competitive exams.
2. Students get benefitted if coding or programming related course is introduced in the early semesters so that by the end of the graduation the student will be industry ready.
3. In Network Analysis course, filters topic which cannot be handled by a student in the early semesters. It should be excluded from the course.

A Kad

Program Coordinator

Head of the Department

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