



# 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 ELECTRONICS AND COMMUNICATION ENGINEERING

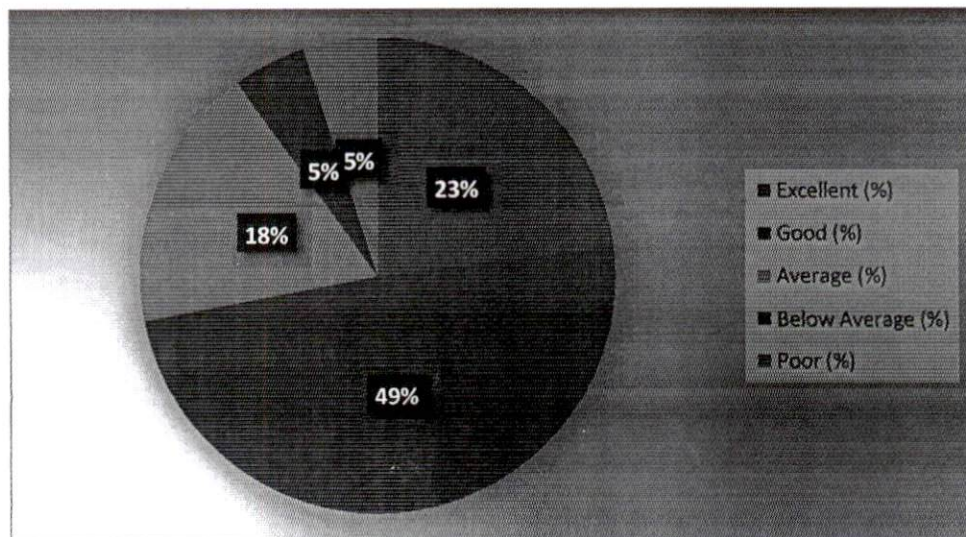
Name of the program- M. Tech (VLSI-Design)

Employer Feedback Analysis (2019- 2020)

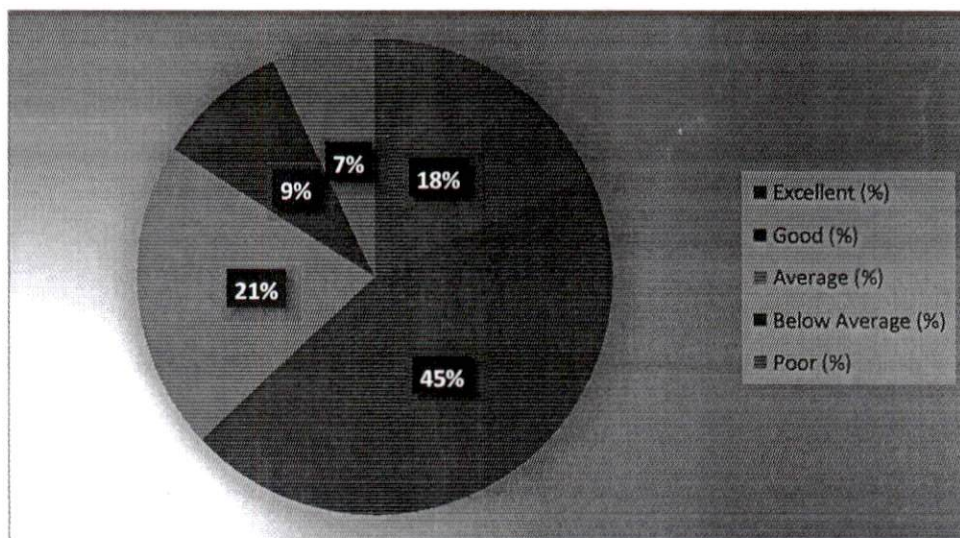
S. NO	Question related to Curriculum	Opinion of the Employer with percentage					Majority Opinion	% of Majority Opinion
		Excellent (%)	Good (%)	Average (%)	Below Average (%)	Poor (%)		
1	Curriculum is contemporary and need based	23	49	18	5	5	Excellent & Good	72%
2	There is adequate emphasis on employability 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

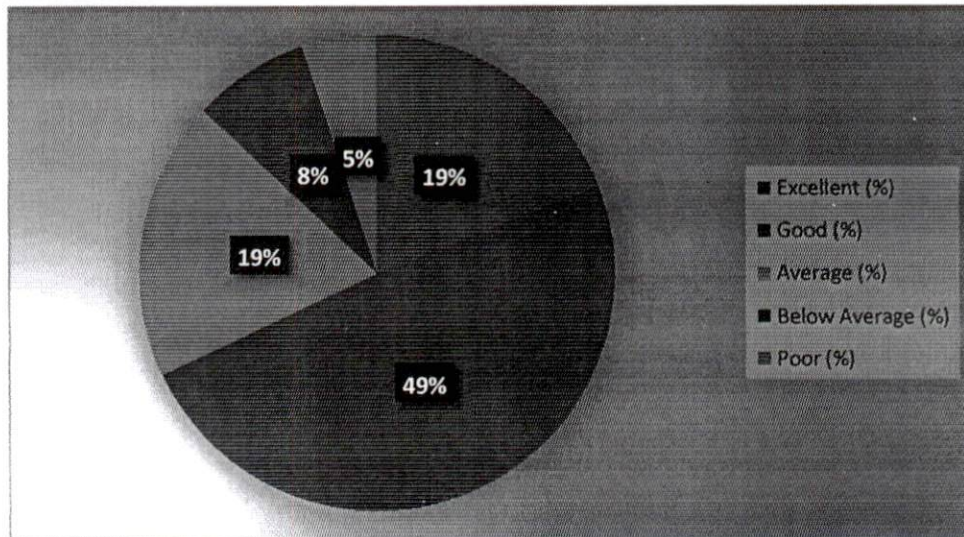
1. Curriculum is contemporary and need based.



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.



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

1. System Verilog and UVM based Advanced verification methodologies may be facilitate in the curriculum
2. Understanding Soft IPs, Hard IPs, FPGA, ASIC, Analog IPs are very much important in VLSI Design. Related courses may be facilitated in the curriculum.

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

1. Hands on experience in mentor graphics and synopsis tools will help a student to fit in to the industry.
2. Multiple projects on standard cell lay out, memory lay out, IO lay out will help the student in getting through the industry.




**Any other suggestions on Curriculum.**

1. Human values and ethics should be taught to the students making this a part of curriculum.
2. A proper guidance should be given to the students to survive in the corporate world they enter after their course completion. This should be included in the curriculum.

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

1. Students after entering into the corporate world or in their respective careers, are not able to balance their professional and personal life because of the work stress, this has to be addressed in some or the other way.
2. Students need to be taught about human values, ethics to mold themselves as good citizens. It helps students if such aspects are included in the curriculum

  
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 (VLSI-Design)**

Faculty Feedback Analysis (2019- 2020)

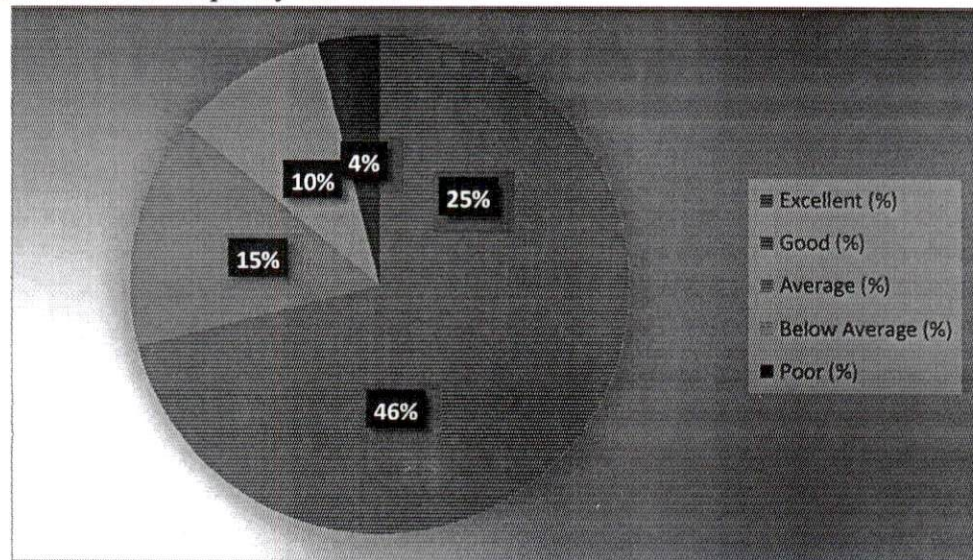
S. NO	Question related to Curriculum	Opinion of the Faculty with percentage					Majority Opinion	% Of Majority Opinion
		Excellent (%)	Good (%)	Average (%)	Below Average (%)	Poor (%)		
1	Curriculum is contemporary and need based	25	46	15	10	4	Excellent & Good	71%
2	The Program Educational Objectives, 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%

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%

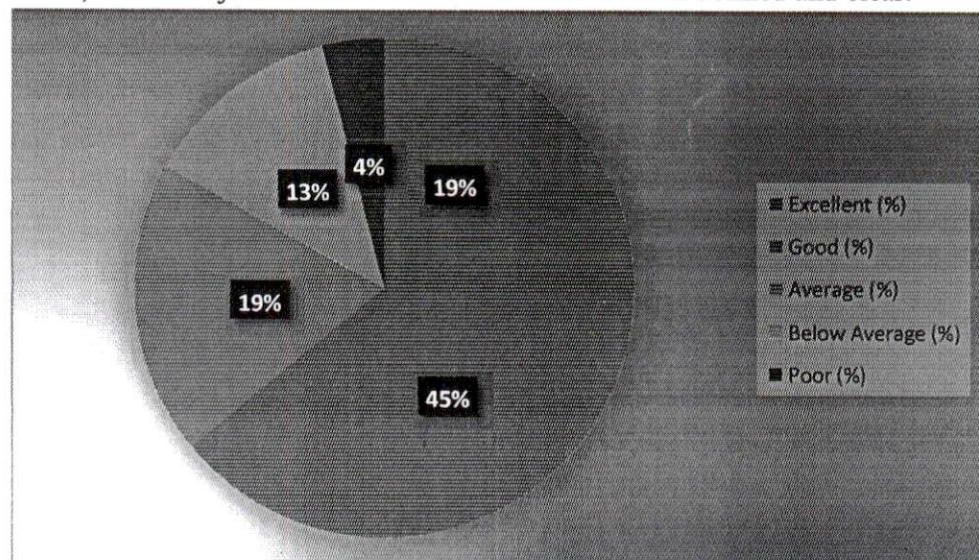


### Graphical representation of Teacher feedback on curriculum

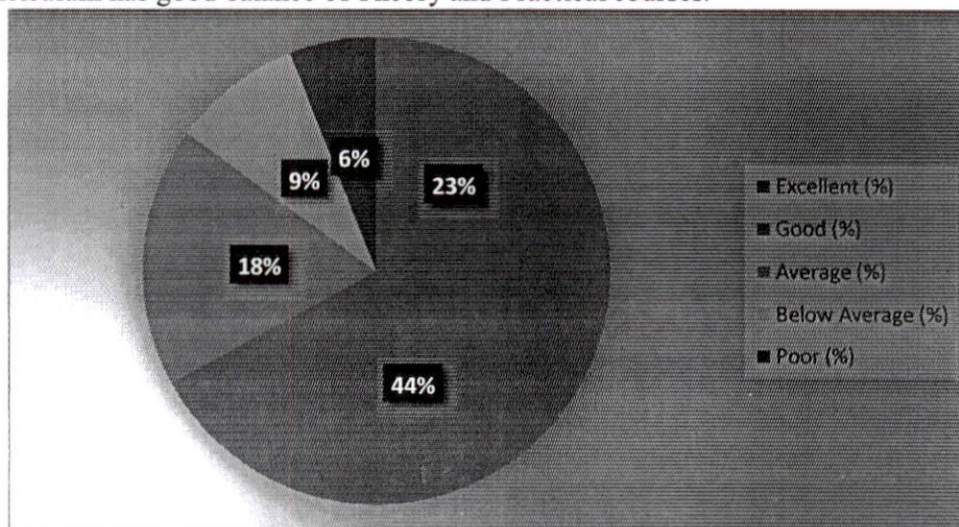
1. Curriculum is contemporary and need based



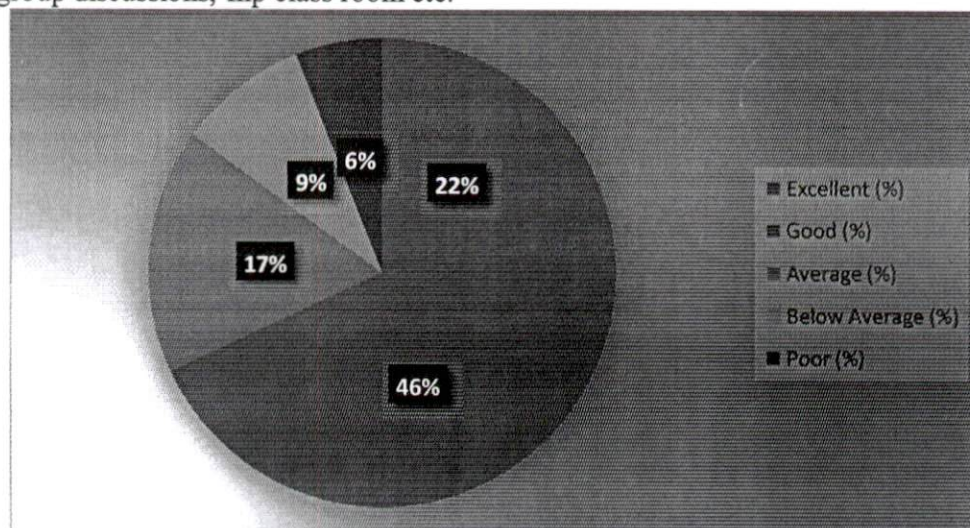
2. The Program Educational Objectives, Program outcomes, Program Specific Outcomes, Course Objectives and Course Outcomes are well defined and clear.



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

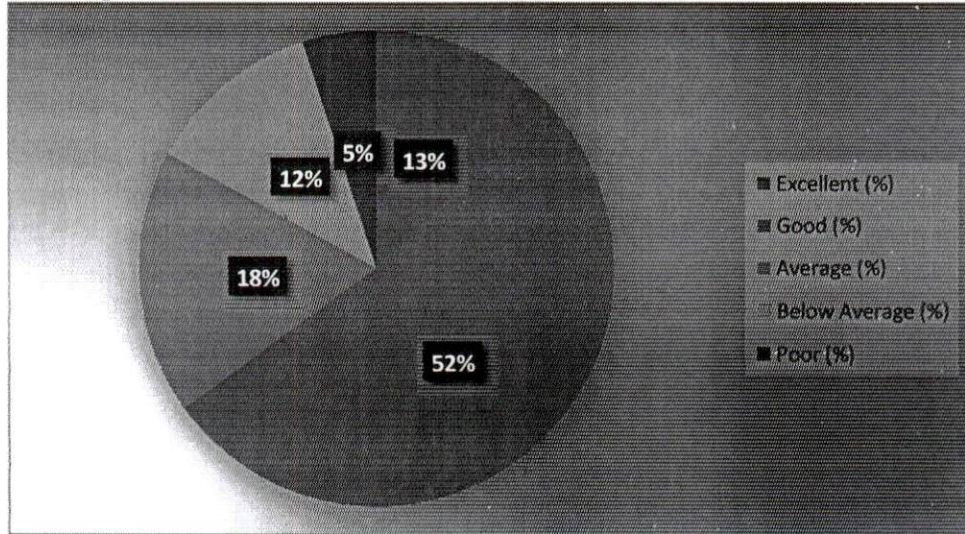


4. Faculty have the freedom to adopt new techniques for teaching like seminars, presentations, group discussions, flip class room etc.

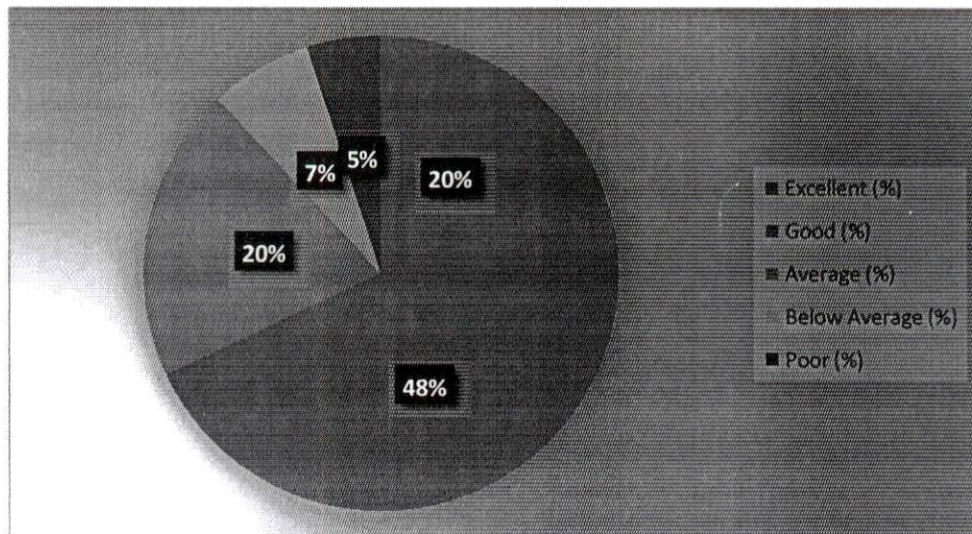




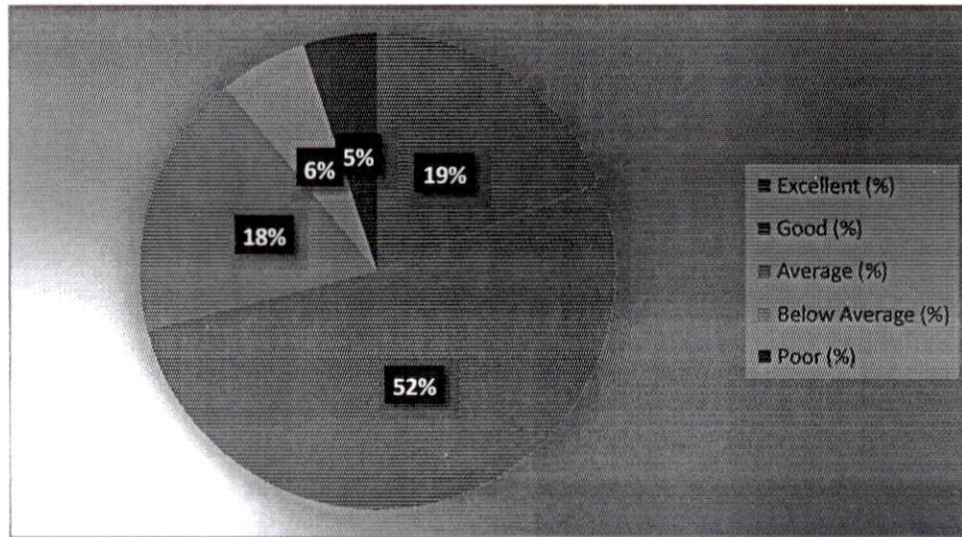
5. The hands-on experience gained by the students through the laboratory courses is up to the expectations.



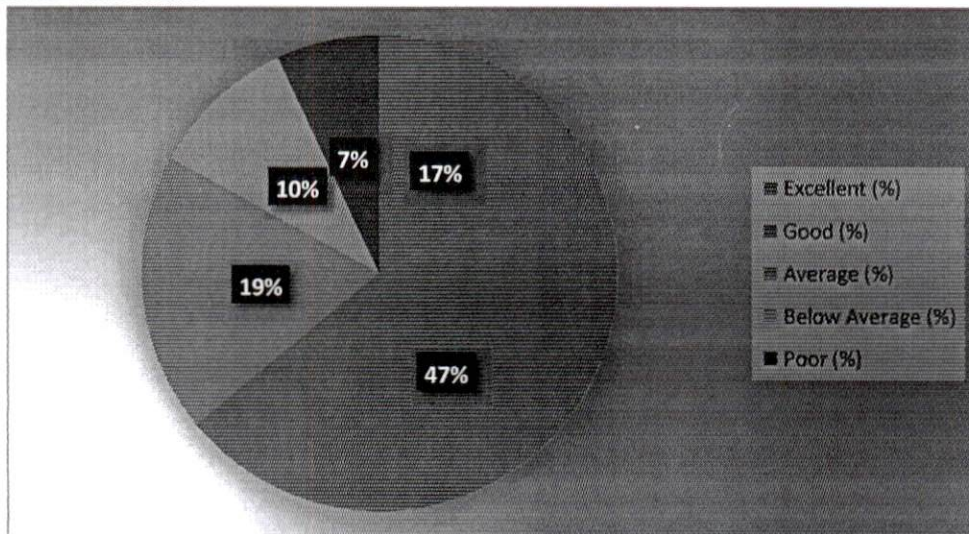
6. The students attain the PEOs, POs, PSOs and COs satisfactorily.



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

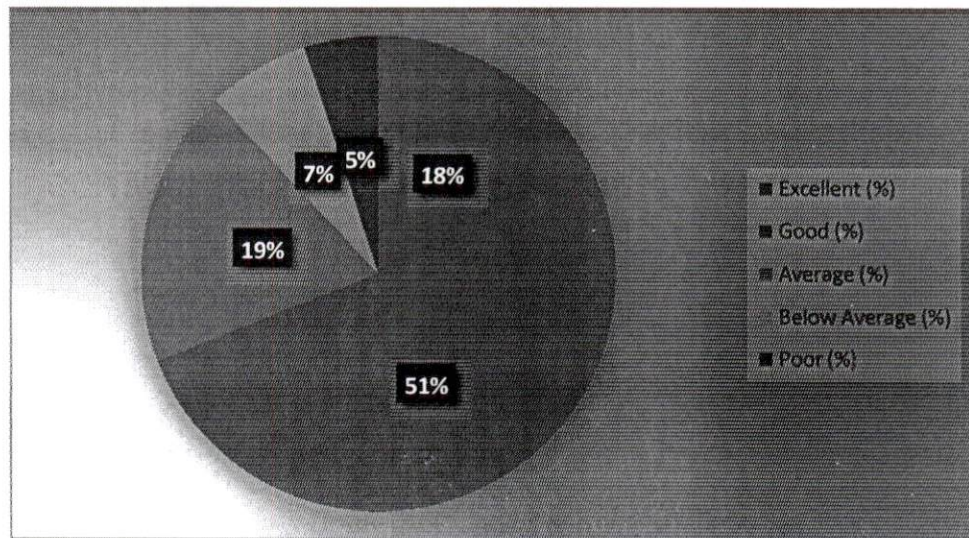


8. There is adequate emphasis on employability skills/ skill development/entrepreneurship in the curriculum.

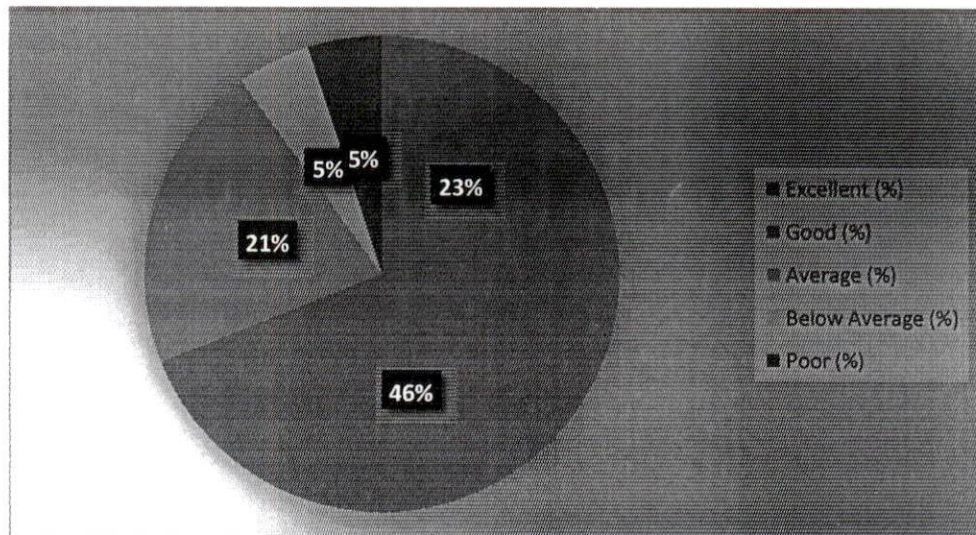




9. There is adequate emphasis on Communication Skills in the Curriculum.

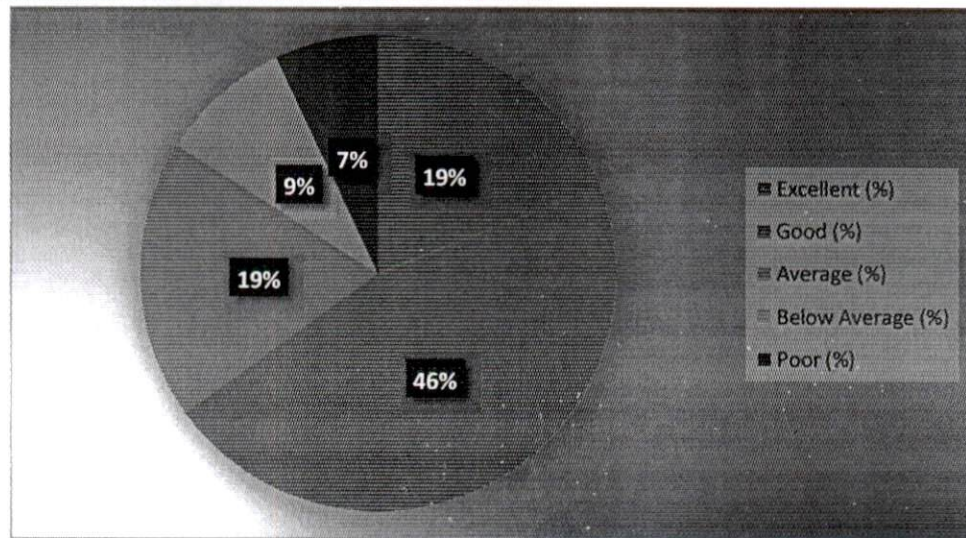


10. There is adequate emphasis on Human Values, ethics and Professionalism in the Curriculum.

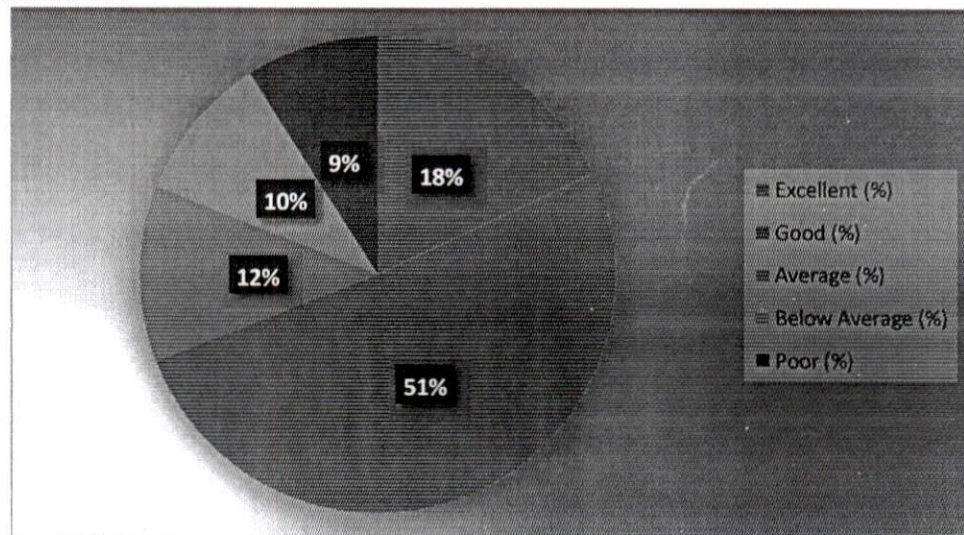




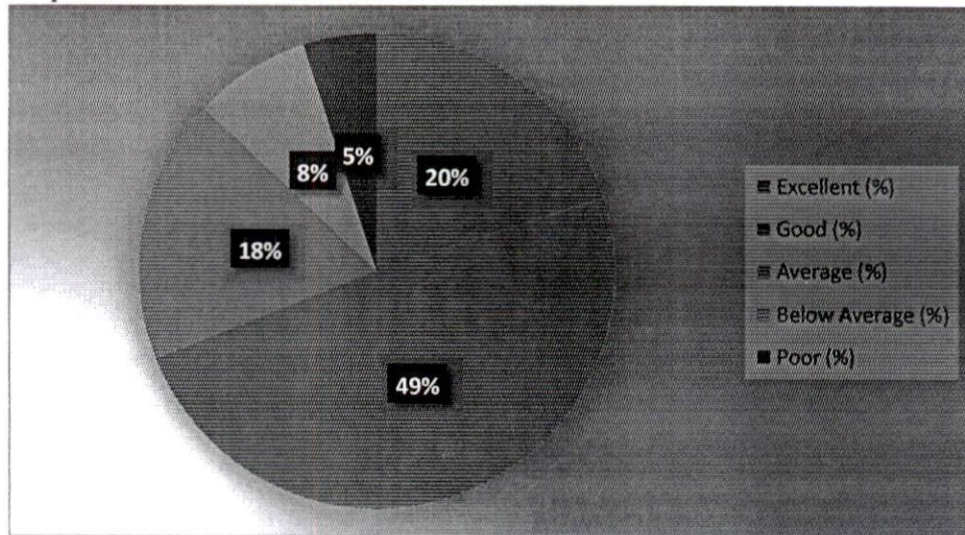
11. The curriculum has sufficient number of electives.



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



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




**Give suggestions for improving the Curriculum**

1. Advanced concepts such as CMOS-based digital system design should be included in the curriculum.
2. Students need proper guidance regarding quality project work execution and research and development. These may be facilitated.

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

1. Publications is a part of research and higher studies. Introducing courses closely related in this aspect will help students in inculcating the research skills in them.

  
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

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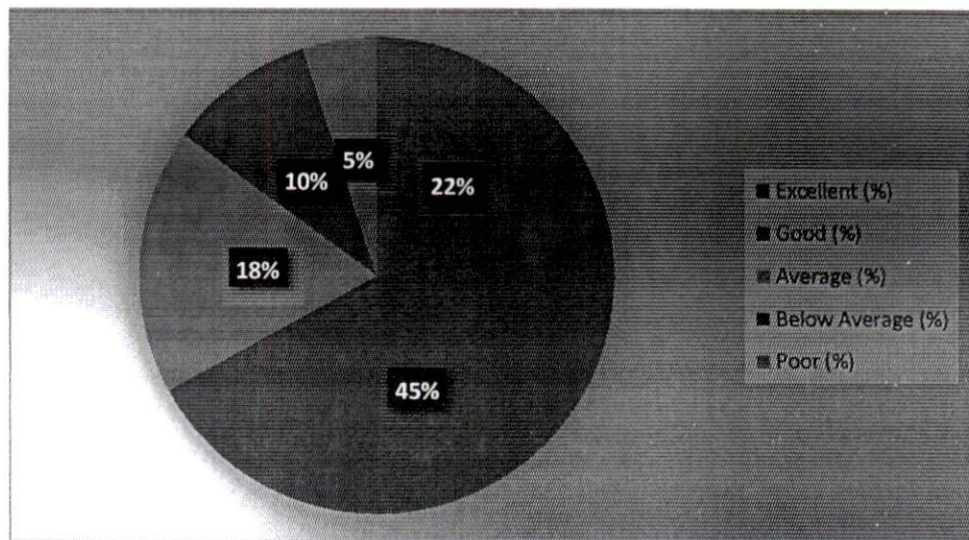
Alumni Feedback Analysis (2019-2020)

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%

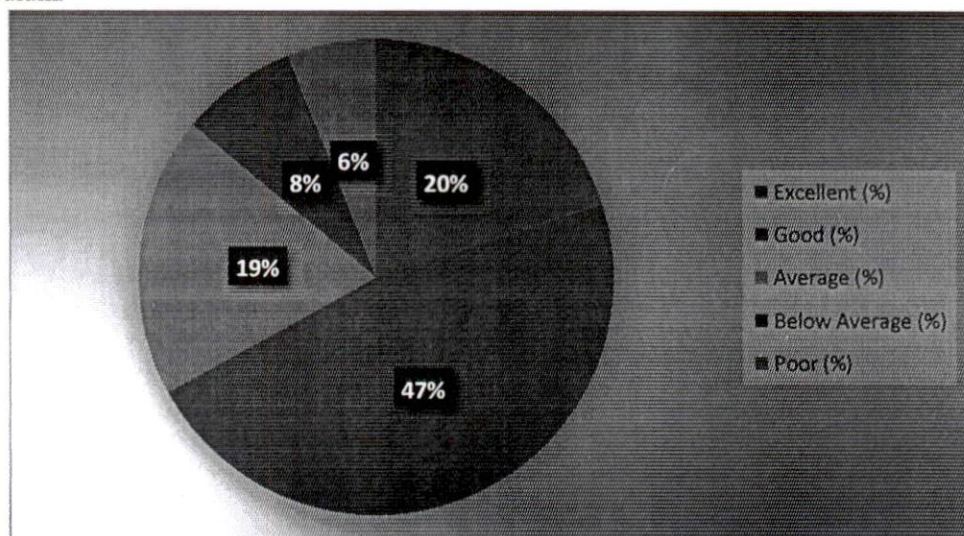


### Graphical representation of Alumni feedback analysis

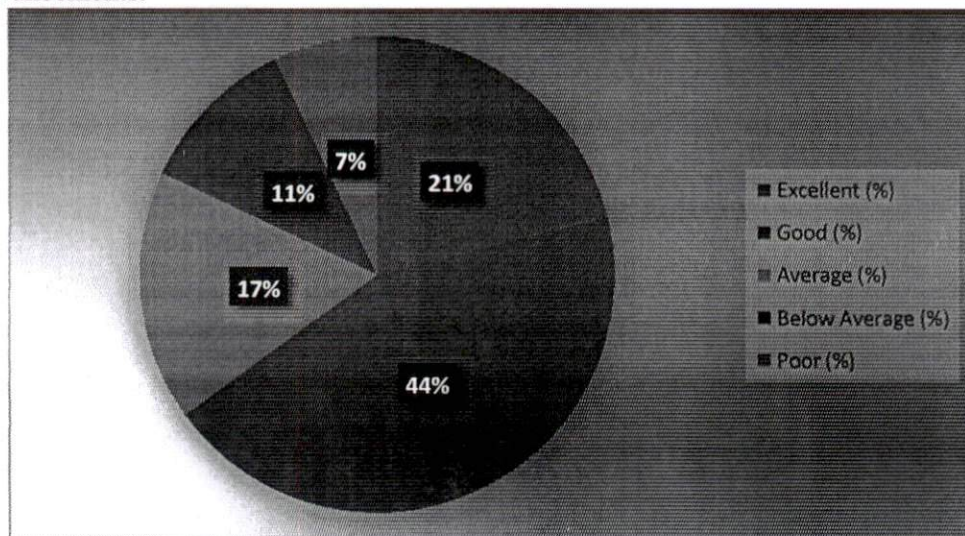
1. Curriculum is contemporary and need based.



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. RISC-V RV32I RTL Architecture Design related course should be added.
2. Advanced Logic Design to be included.

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

1. RTL design, Functional/Physical/Timing Verification, Testing, DFT, Synthesis, PhysicalDesign, Standard cell design.


**Give any other suggestions for improving the Curriculum.**

1. Students require instructions for self-molding in order to adjust to life in the workplace or as a member of society. It would be beneficial if such advice were included in the curriculum.

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

1. Students need guidelines in molding one's self to get adjusted in the corporate world or when being a part of society. Would be helpful if such guidance is a part of curriculum.

  
Program Coordinator

  
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- M. Tech (VLSI-Design)

Student Feedback Analysis (2019- 2020).

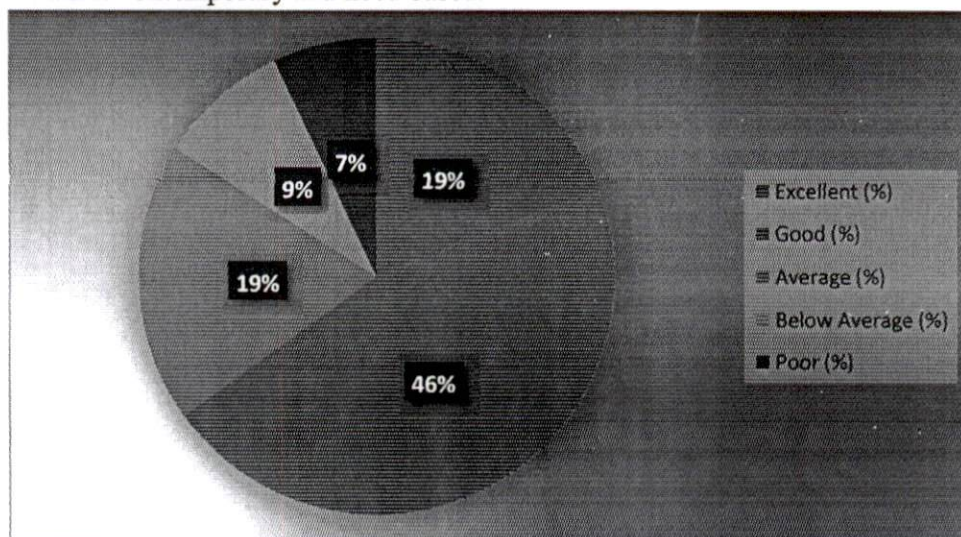
S. NO	Question related to Curriculum	Opinion of the Students with percentage					Majority Opinion	% of Majority Opinion
		Excellent (%)	Good (%)	Average (%)	Below Average (%)	Poor (%)		
1	Curriculum is contemporary and need based	19	46	19	9	7	Excellent & Good	65%
2	Curriculum has good balance of Theory 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/entrepreneurship 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%



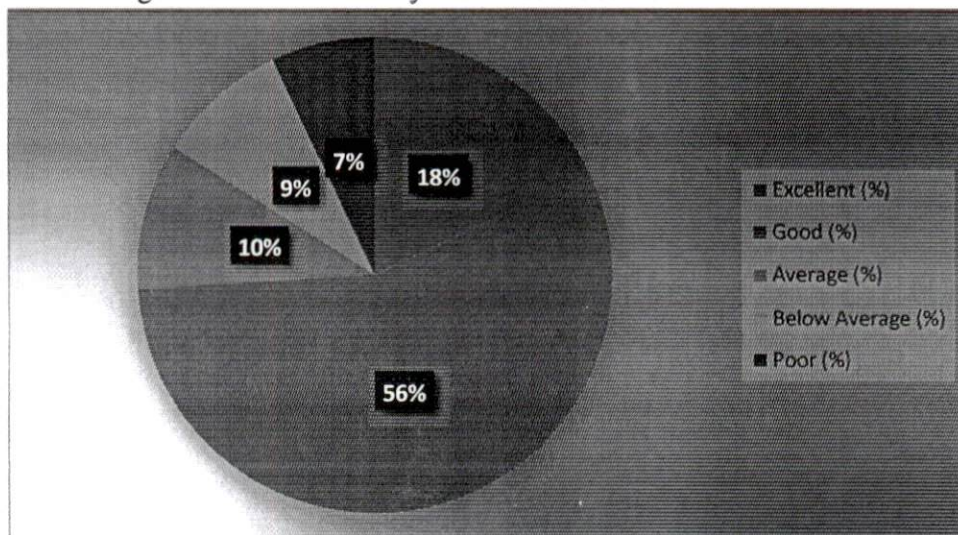
8	The books prescribed/listed as reference in curriculum are relevant, appropriate and updated.	18	50	19	9	4	Excellent & Good	68%
9	The Program Educational Objectives, Program outcomes, Program Specific Outcomes, Course Objectives and Course Outcomes are well defined and clear.	19	51	19	8	3	Excellent & 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

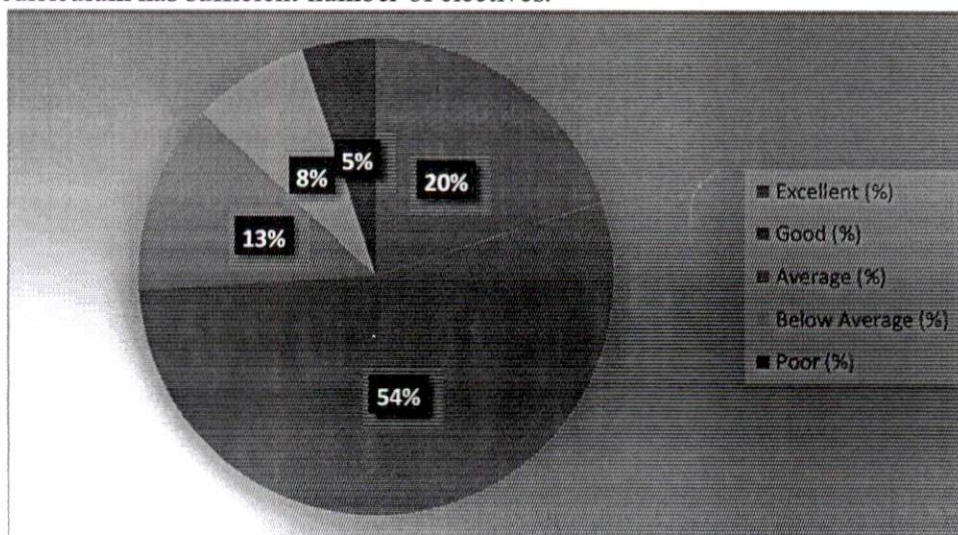
- Curriculum is contemporary and need based.



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

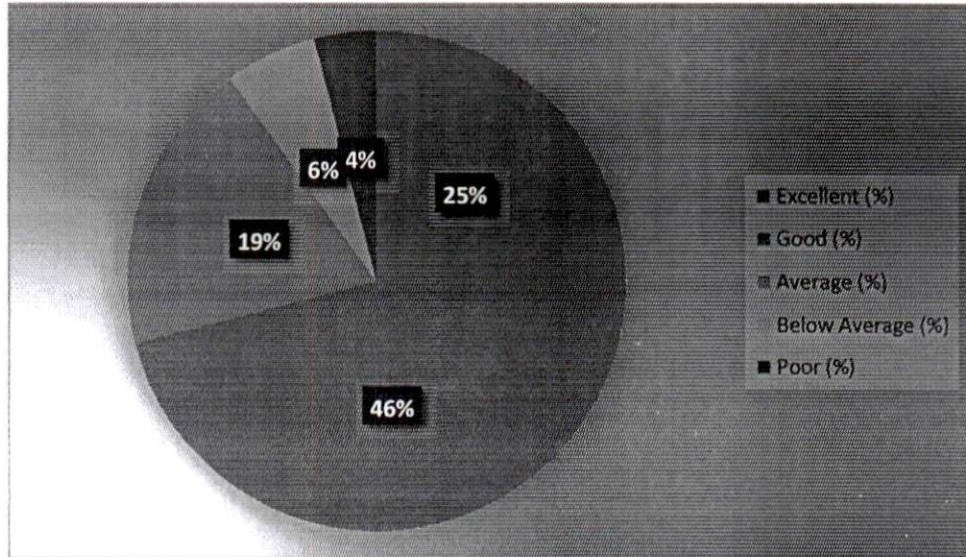


3. The curriculum has sufficient number of electives.

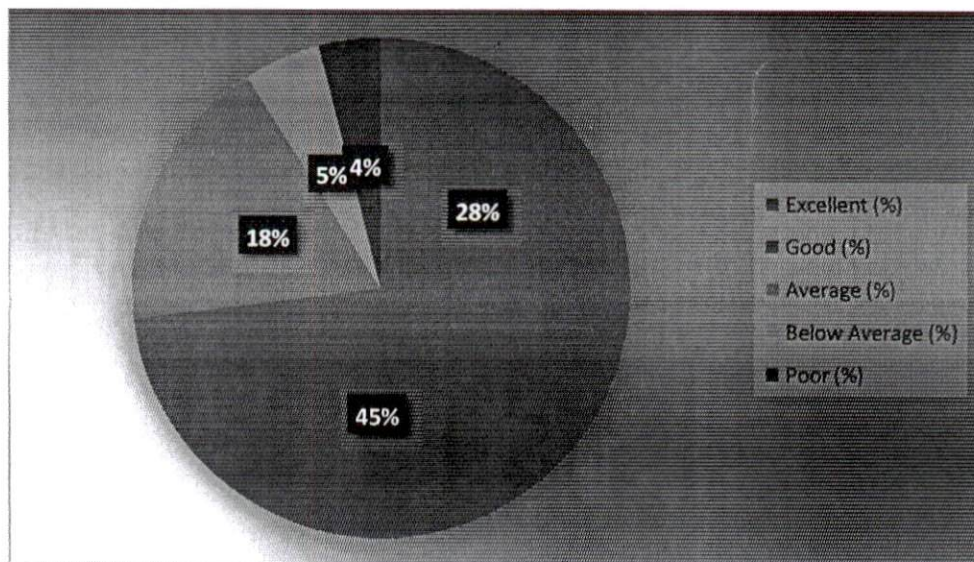




4. There is adequate emphasis on employability skills/ skill development/entrepreneurship in the curriculum.

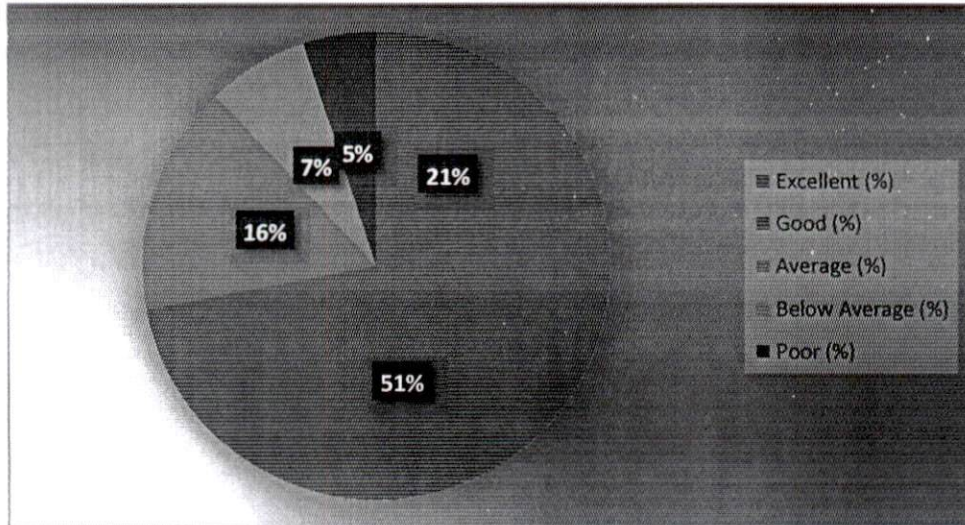


5. There is adequate emphasis on Communication Skills in the Curriculum.

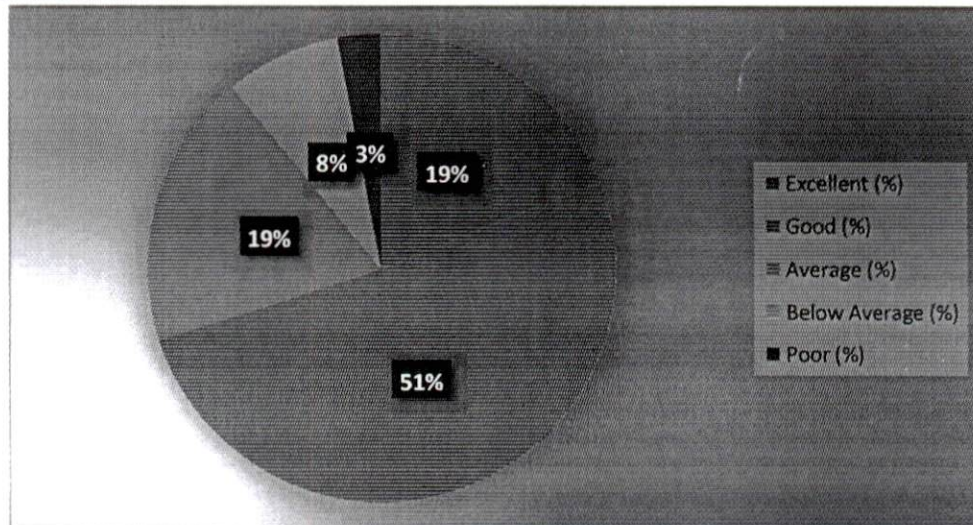




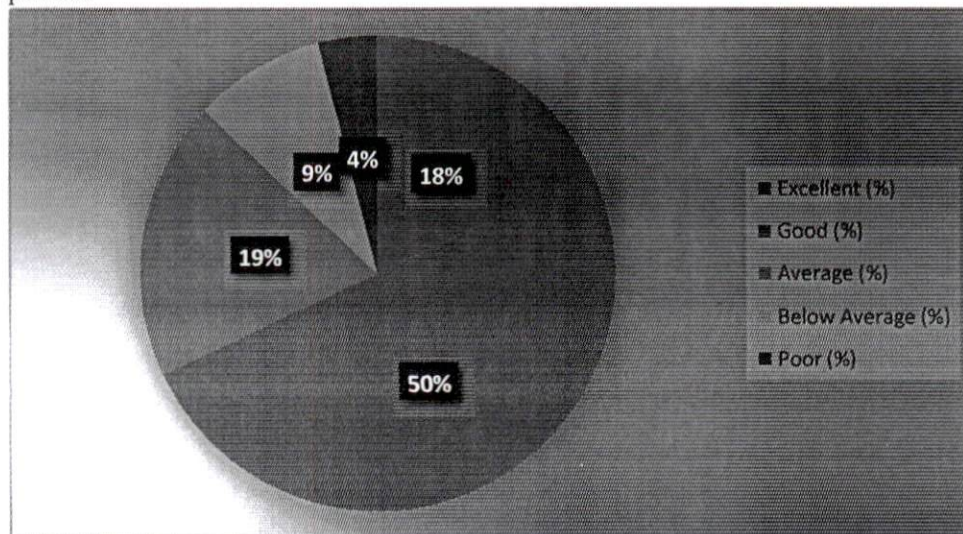
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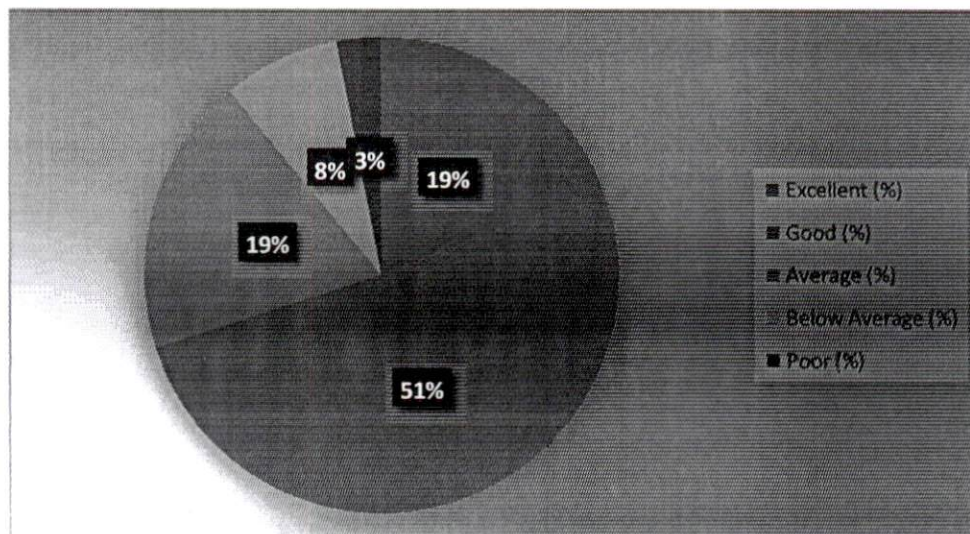
7. The electives offered in the curriculum suits the industry needs and technological advancements.



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

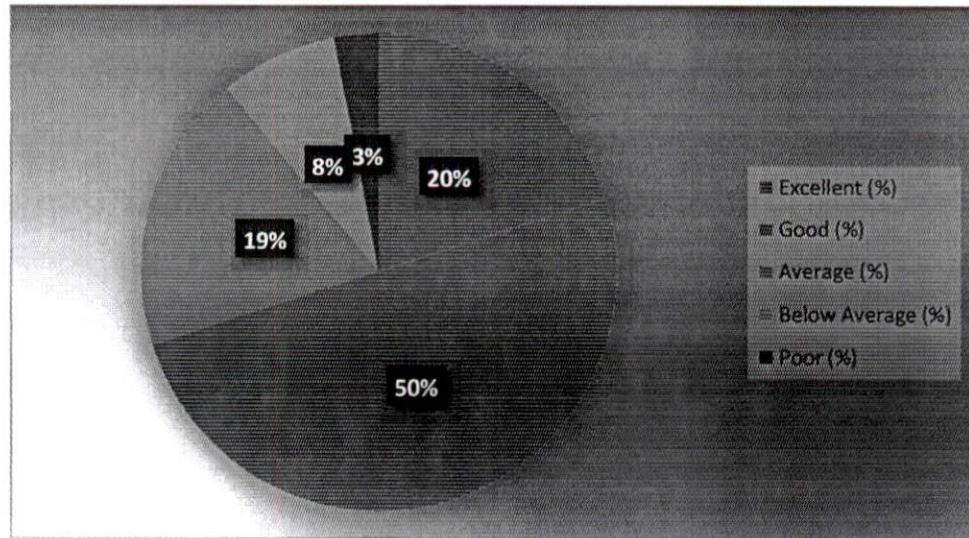


9. The Program Educational Objectives, Program outcomes, Program Specific Outcomes, Course Objectives and Course Outcomes are well defined and clear.





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. Increase the number of lab sessions so as to facilitate more hands-on exposure.
2. Need more labs in the curriculum.

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

1. Need more hands-on session exposure which facilitates students in practical learning of concepts.

Program Coordinator

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