



# 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

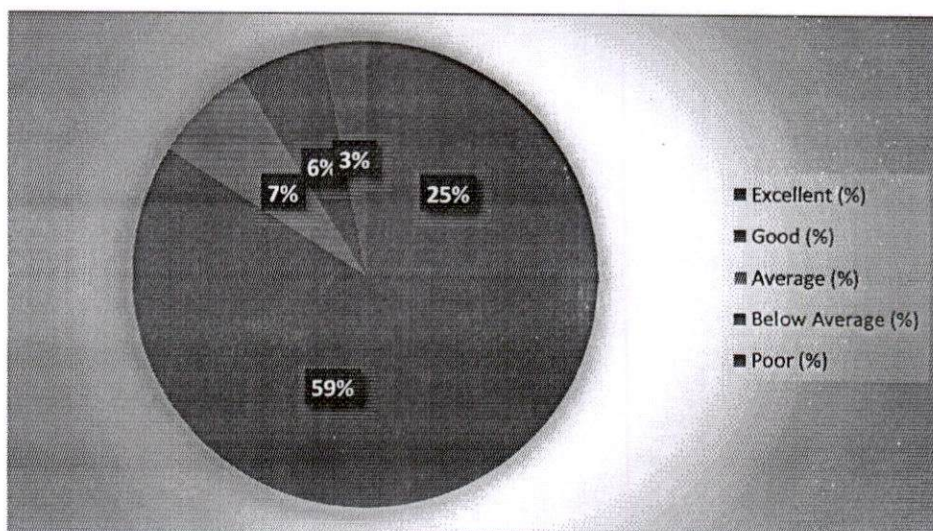
Name of the program- B. Tech

Alumni Feedback Analysis (2021-2022)

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	59	7	6	3	Excellent & Good	84%
2	There is adequate emphasis on employability skills/ skill development/entrepreneurship in the curriculum	24	59	10	5	2	Excellent & Good	83%
3	The electives offered in the curriculum suits the industry needs and technological Advancements.	29	55	8	6	2	Excellent & Good	84%

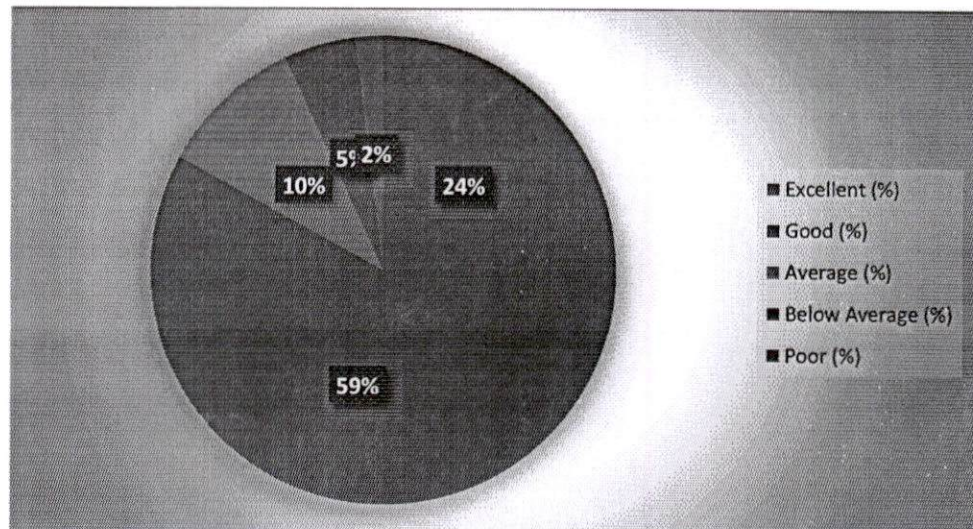
### Graphical representation of Alumni feedback analysis

- Curriculum is contemporary and need based.

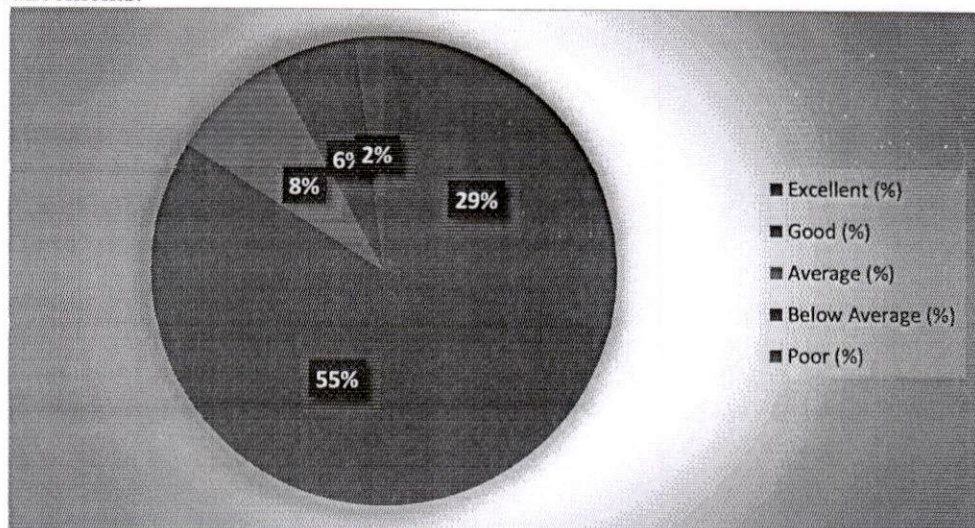




2. There is adequate emphasis on employability skills/ skill development /Entrepreneurship in the curriculum.



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. PCB designing related course may introduced as a part of curriculum.
2. A brief introduction to Nano Technology in under graduation will help the students.
3. PLC/SCADA/DCS may be added in the curriculum.

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

1. Fundamental of HOL
2. More number of courses in IOT.
3. Machine Learning and Internet of Things, this is very important for students in terms of job opportunities and internships.
4. Students should be encouraged towards taking part in active and live projects. this should be facilitated in the curriculum itself. This may be facilitated.


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

1. Knowledge of any scripting language like shell/TCL/Perl would be an added advantage. Such courses should be included in the curriculum.
2. As digital designs are implemented via HDLs so anyone aspiring to be a Digital Design Engineer must be efficient in either VHDL, Verilog or System Verilog. Including these courses in the curriculum would help the students to a great extent.

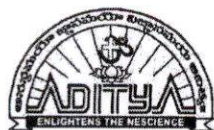
**The following are observations on Alumni feedback and action need to be initiated:**

1. Encourage students to be a part of real time and live projects.
2. Biomedical engineering, computer hardware, computer software, robotics, photonics, solar harvesting may be introduced 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

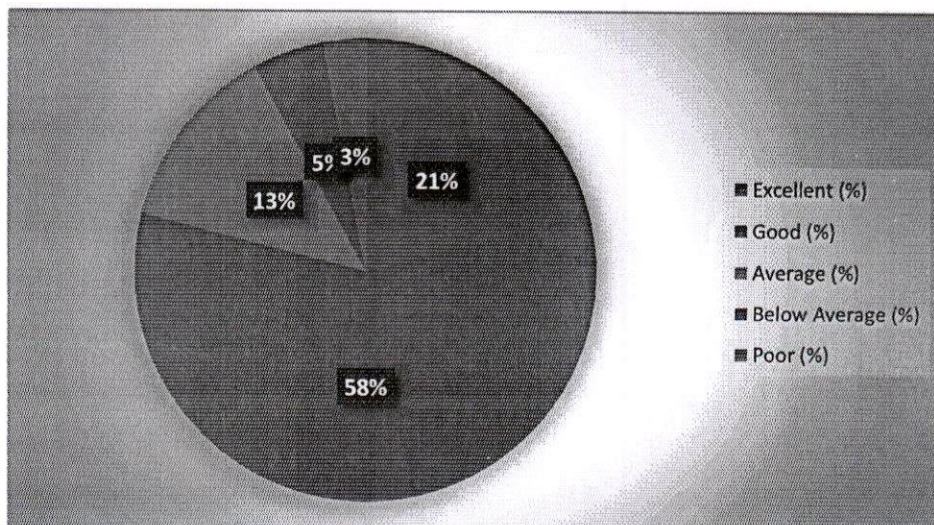
Name of the program- B. Tech

Employer Feedback Analysis (2021- 2022)

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	21	58	13	5	3	Excellent & Good	79%
2	There is adequate emphasis on employability skills/ skill development/ entrepreneurship in the curriculum	23	59	6	9	3	Excellent & Good	82%
3	The electives offered in the curriculum suits the industry needs and technological advancements.	22	56	12	8	2	Excellent & Good	78%

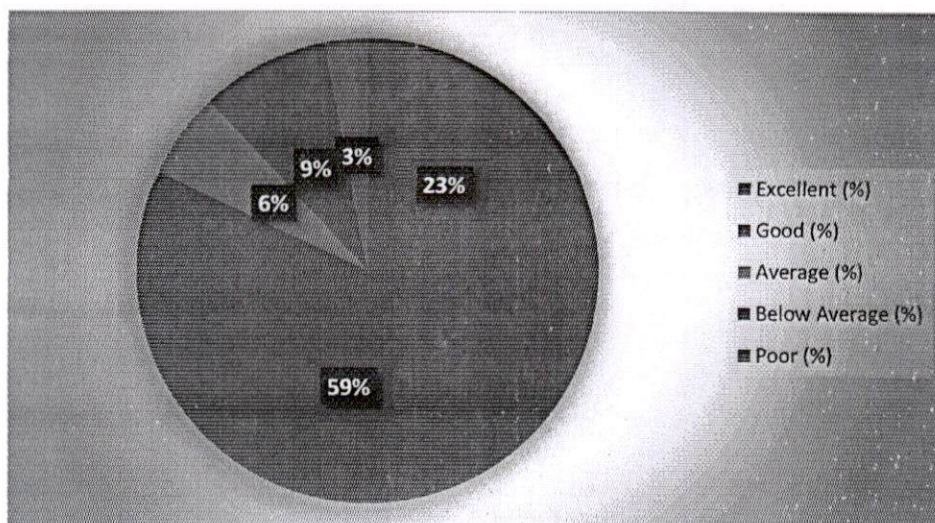
### Graphical representation of Employer feedback analysis

1. Curriculum is contemporary and need based.

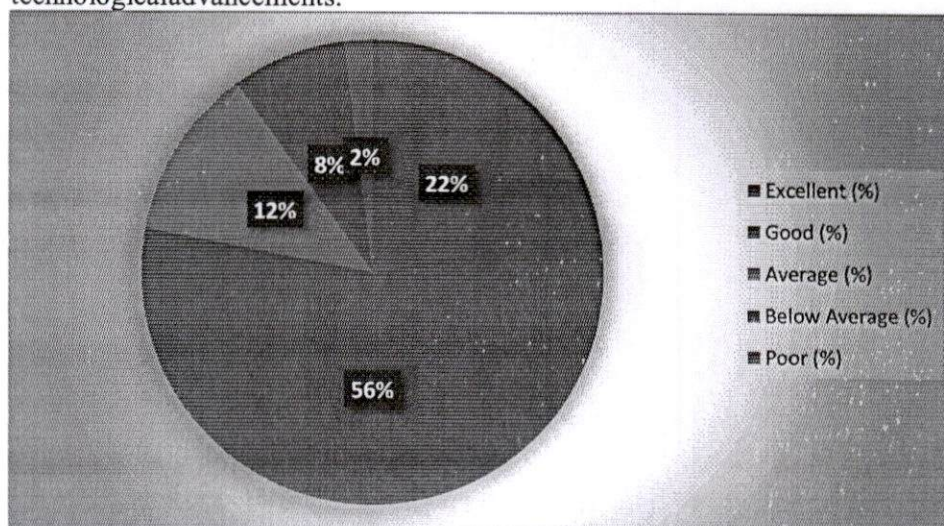




2. There is adequate emphasis on employability skills/ skill development /Entrepreneurship in the curriculum.



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. Introduce AWS and related courses as a part of curriculum
2. Add few more IT related courses.

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

1. Communication skills and programming skills.
2. Good command in programming and public speaking is a must for a student to survive in the IT industry.
3. Good core knowledge can help student to get into the industry.

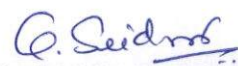
**Any other suggestions on Curriculum.**

1. No changes required. Its contemporary.
2. Add courses related to programming and certifications.
3. Internships and industrial visits should be made a part of curriculum

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

1. Students will benefit from Industry institute interaction if facilitated.
2. Certification courses programming skills should be inculcated among students. Curriculum designed to meet this requirement will help the student.

  
**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- B. Tech

Faculty Feedback Analysis (2021- 2022)

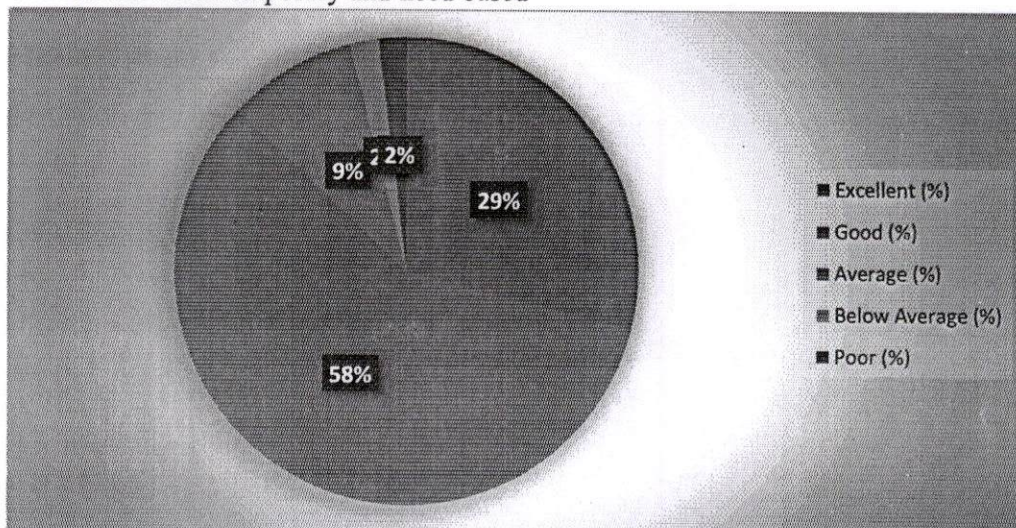
S. NO	Question related to Curriculum	Opinion of the Faculty with percentage					Majority Opinion	% Of Majority Opinion
		Excellent (%)	Good (%)	Average (%)	Below Average (%)	Poor (%)		
1	Curriculum is contemporary and need based	29	59	8	2	2	Excellent & Good	88%
2	The Program Educational Objectives, Program outcomes, Program Specific Outcomes, Course Objectives and Course Outcomes are well defined and clear.	29	60	7	3	1	Excellent & Good	88%
3	Curriculum has good balance of Theory and Practical courses.	37	52	7	3	1	Excellent & Good	89%
4	Faculty have the freedom to adopt new techniques for teaching like seminars, presentations, group discussions, flip class room etc.	30	59	8	2	1	Excellent & Good	89%
5	The hands-on experience gained by the students through the laboratory courses is up to the expectations.	29	60	7	3	1	Excellent & Good	89%
6	The students attain the PEOs, POs, PSOs and COs satisfactorily.	33	56	7	2	2	Excellent & Good	89%

7	There is adequate emphasis on employability skills/skill development/entrepreneurship in the curriculum.	28	61	9	1	1	Excellent & Good	89%
8	There is adequate emphasis on Communication Skills in the Curriculum	33	54	6	4	3	Excellent & Good	85%
9	There is adequate emphasis on Human Values, ethics and Professionalism in the Curriculum.	37	52	8	2	1	Excellent & Good	88%
10	The curriculum has sufficient number of electives.	34	53	9	2	2	Excellent & Good	87%
11	The electives offered in the curriculum suits the industry needs and technological advancements.	29	59	7	3	2	Excellent & Good	88%
12	The books prescribed/listed as reference in curriculum are relevant, appropriate and updated.	30	59	8	2	1	Excellent & Good	89%
13	The rubrics for assessment is described clearly and there is adequate weightage for Continuous Internal Evaluation and Semester End Examination	37	52	7	3	1	Excellent & Good	88%

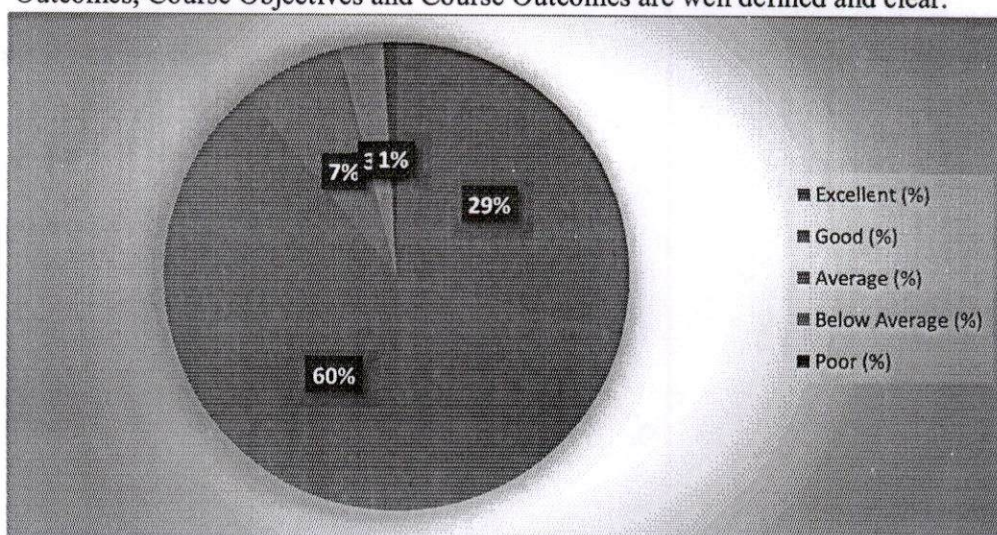


### Graphical representation of Teacher feedback on curriculum

1. Curriculum is contemporary and need based

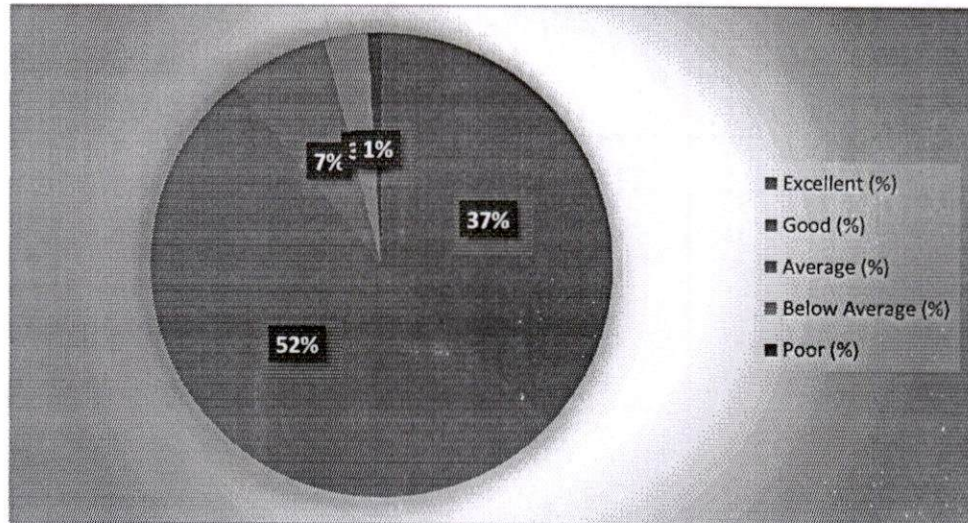


2. The Program Educational Objectives, Program outcomes, Program Specific Outcomes, Course Objectives and Course Outcomes are well defined and clear.

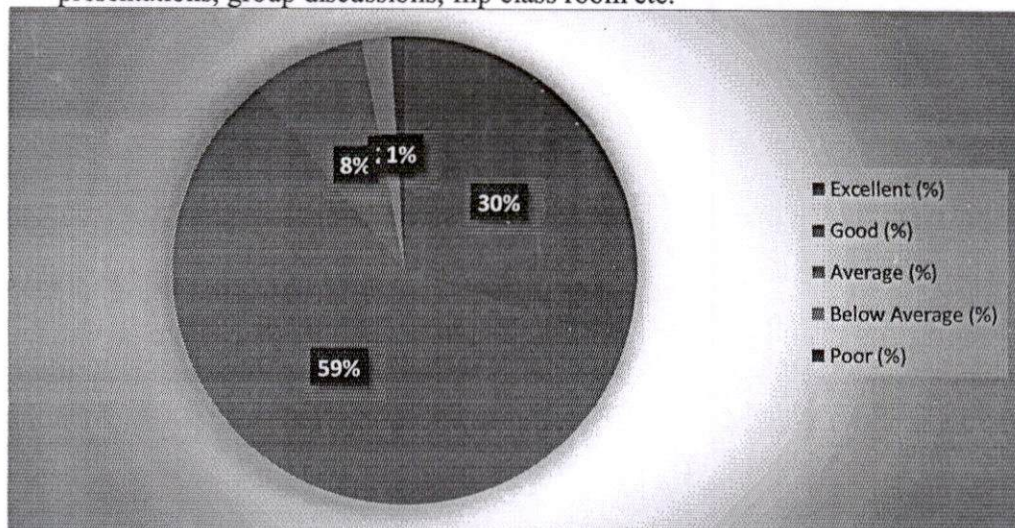




3. Curriculum has good balance of Theory and Practical courses.

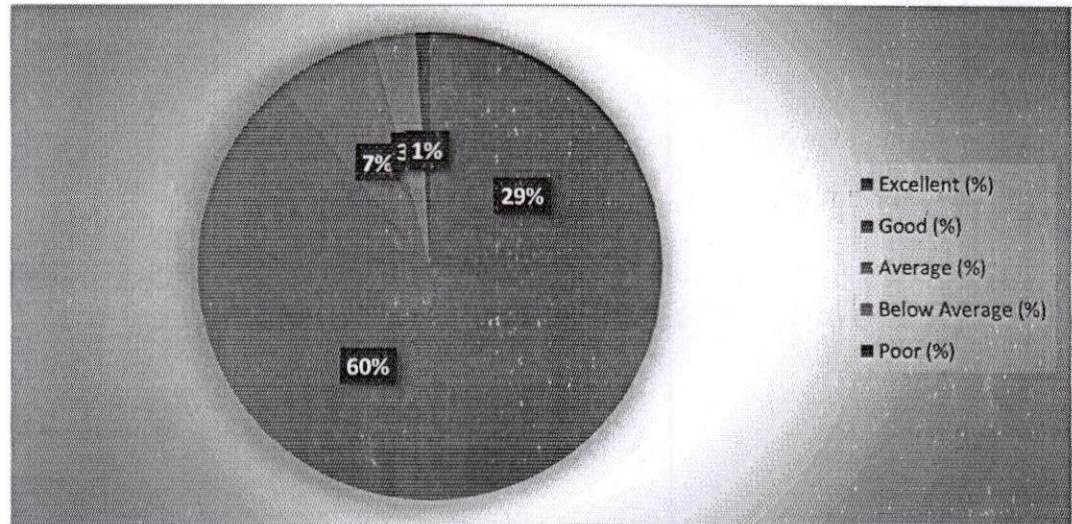


4. Faculty have the freedom to adopt new techniques for teaching like seminars, presentations, group discussions, flip class room etc.

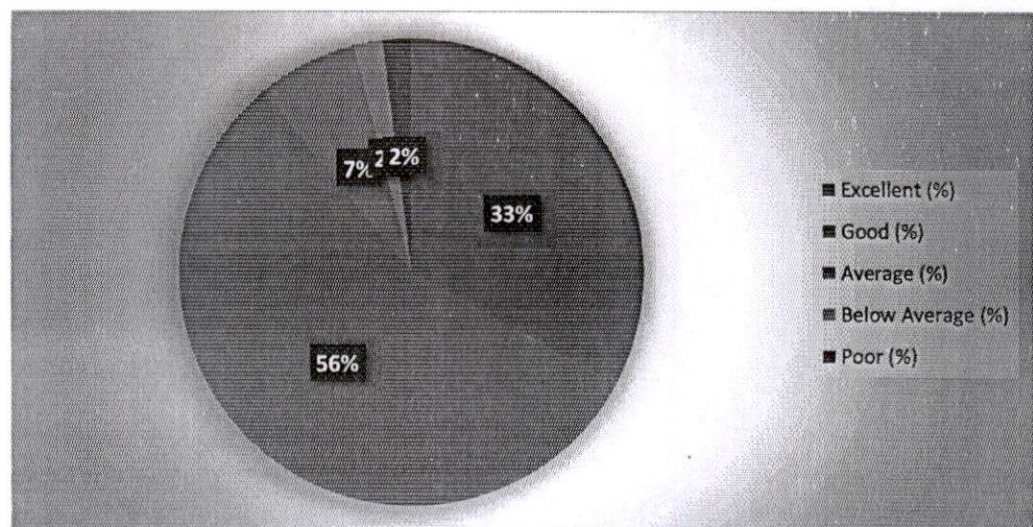




5. The hands-on experience gained by the students through the laboratory courses is up to the expectations.

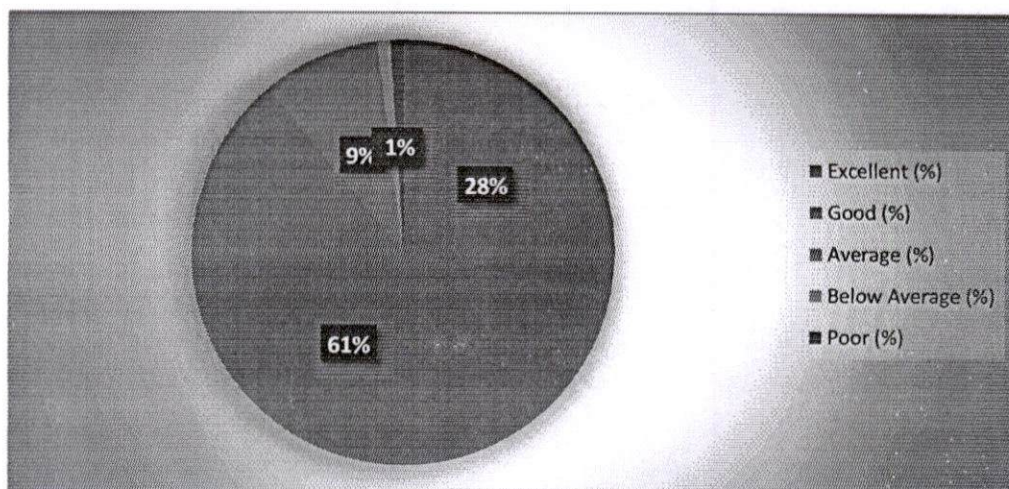


6. The students attain the PEOs, POs, PSOs and COs satisfactorily.

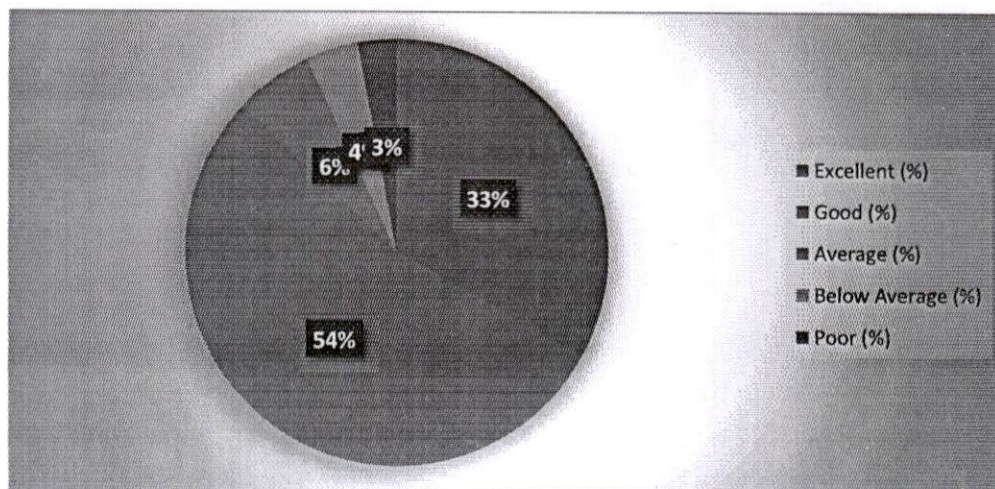




7. There is adequate emphasis on employability skills/ skill development/entrepreneurship in the curriculum

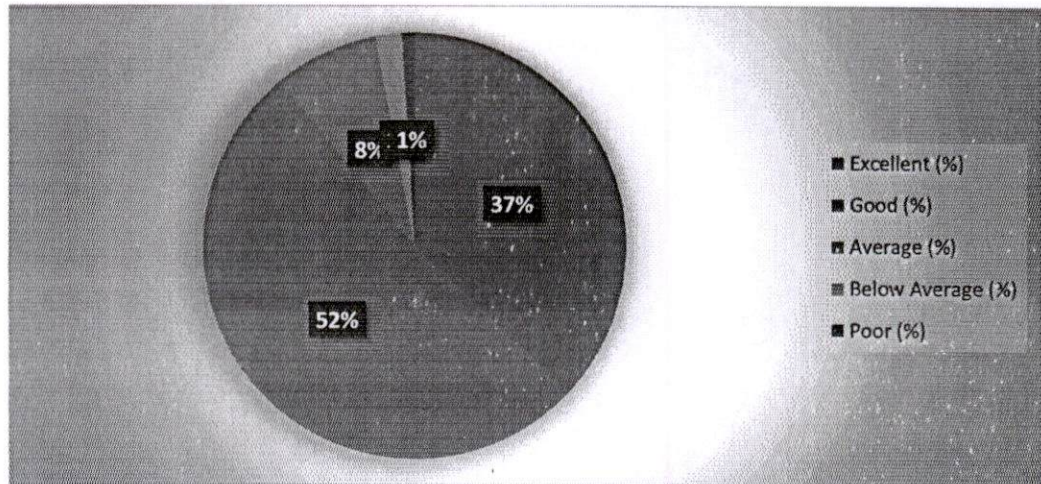


8. There is adequate emphasis on employability skills/ skill development/entrepreneurship in the curriculum.

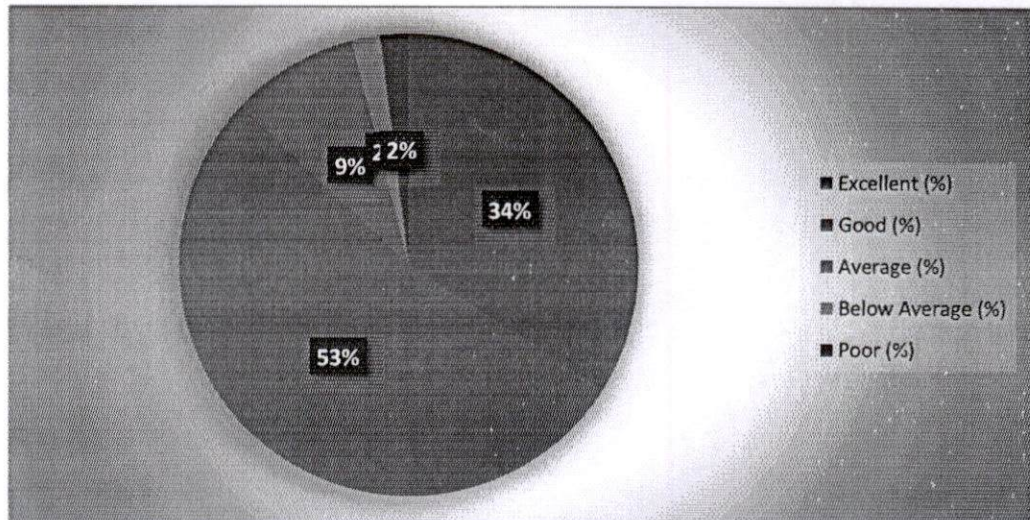




9. There is adequate emphasis on Communication Skills in the Curriculum.

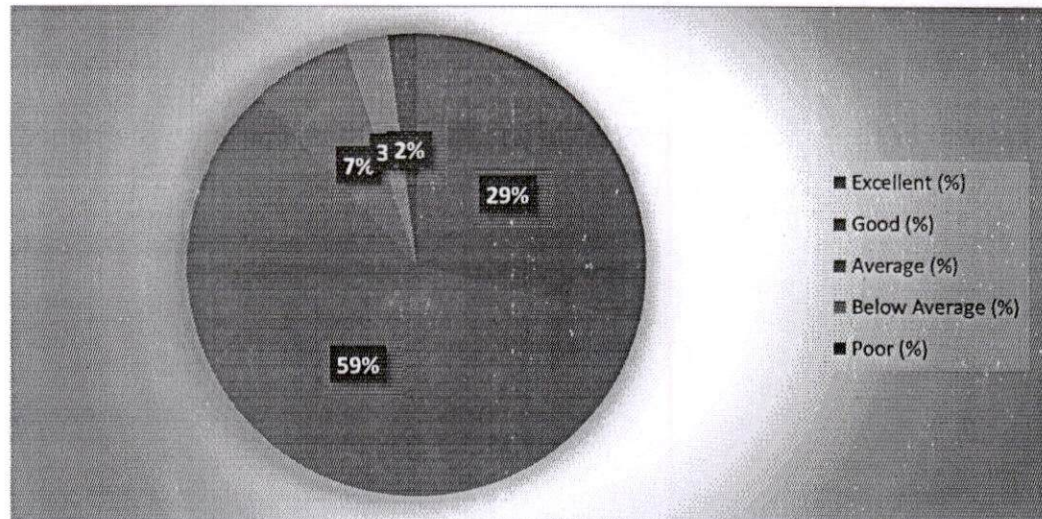


10. There is adequate emphasis on Human Values, ethics and Professionalism in the Curriculum.

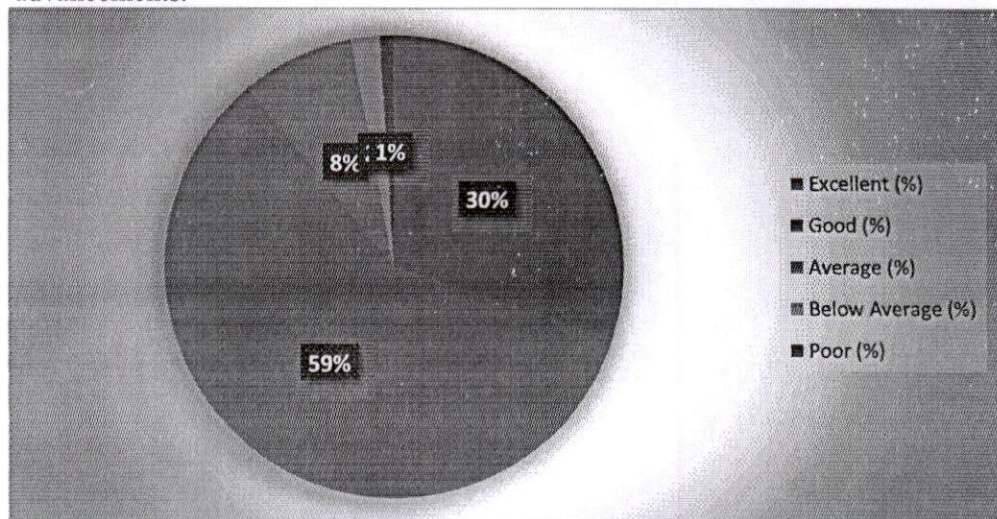




11. The curriculum has sufficient number of electives.

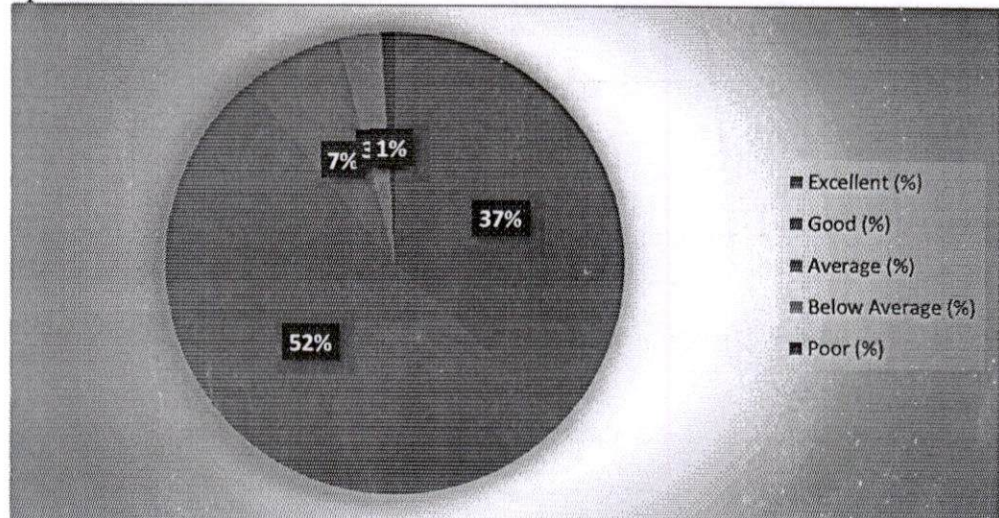


12. The electives offered in the curriculum suits the industry needs and technological advancements.





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



**Give suggestions for improving the Curriculum**

1. Digital signal processing applications has equal importance in industry as Embedded Systems. In detail information should be provided and such courses may be introduced
2. Students need proper guidance regarding quality project work execution and research and development. These may be facilitated.
3. PCB design engineering has much importance. Related courses may be introduced.

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

1. Cisco is one of the leading procedures of routers. Many companies need network engineers to work in this domain to secure information from threats. Networking and system security is needed and so recommended to include in the curriculum

*A. K. Kaul*  
Program Coordinator

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



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Name of the program- B. Tech

Student Feedback Analysis (2021- 2022).

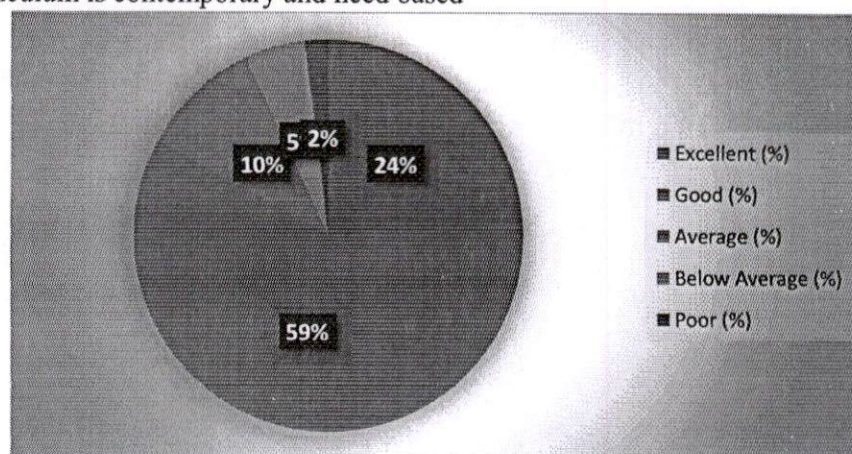
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6	There is adequate emphasis on Human Values, ethics and Professionalism in the Curriculum.	20	63	11	4	2	Excellent & Good	83%
7	The electives offered in the curriculum suits the industry needs and technological advancements.	25	60	9	4	2	Excellent & Good	85%



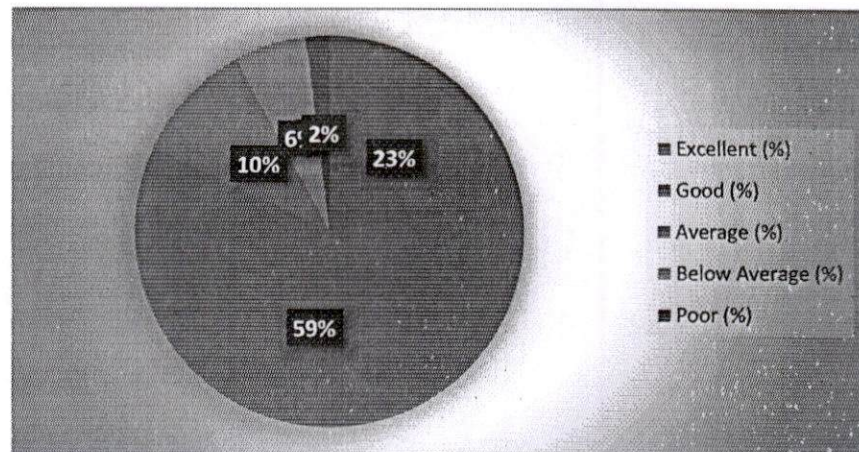
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### Graphical representation of Students feedback on curriculum

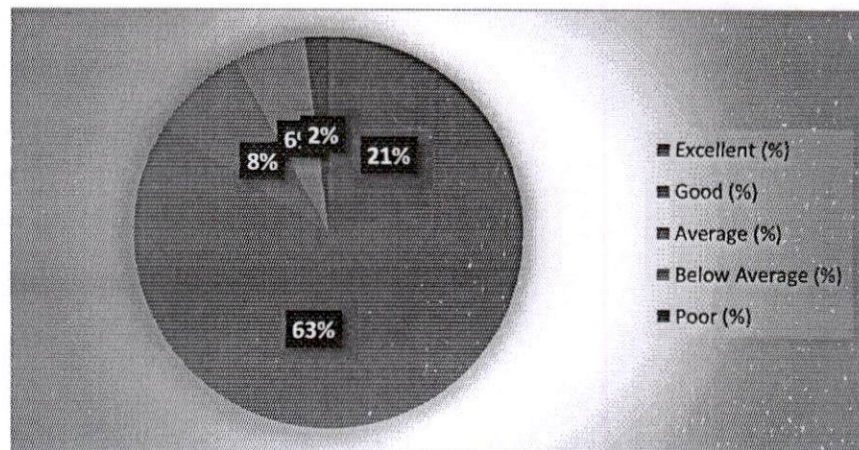
#### 1. Curriculum is contemporary and need based



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

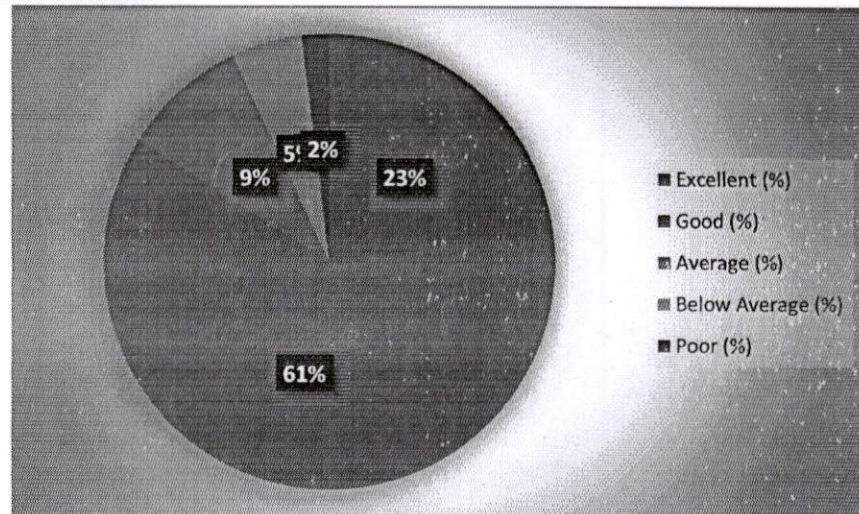


3. The curriculum has sufficient number of electives

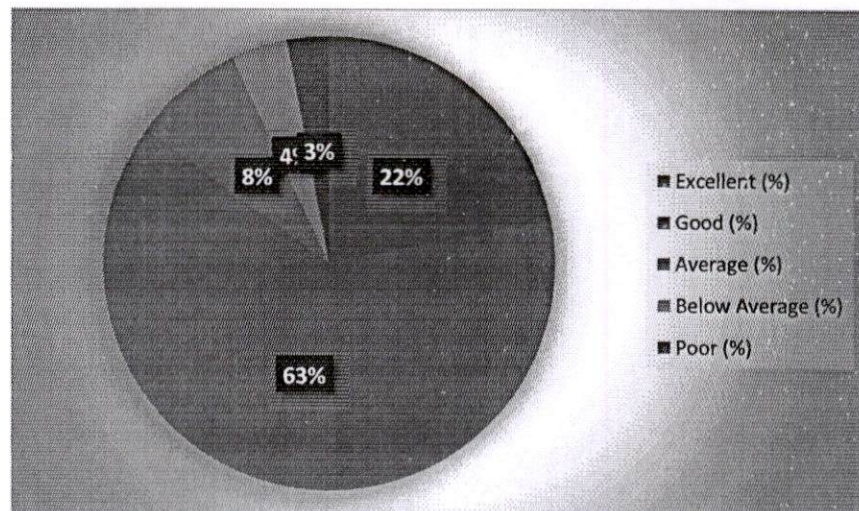




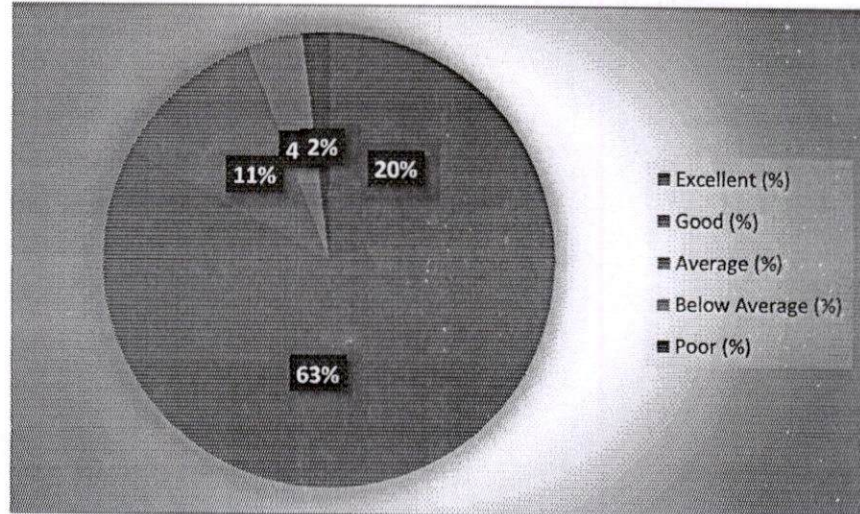
4. There is adequate emphasis on employability skills/ skill development/entrepreneurship in the curriculum.



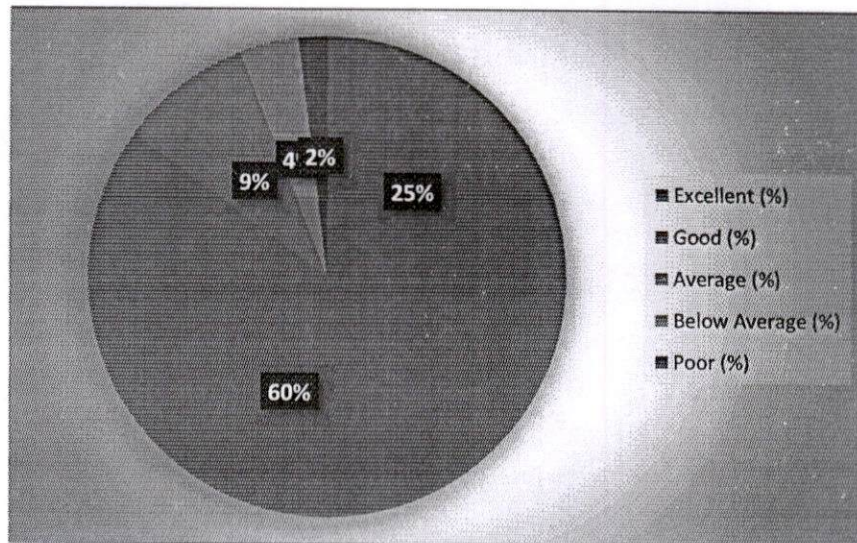
5. There is adequate emphasis on Communication Skills in the Curriculum.



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

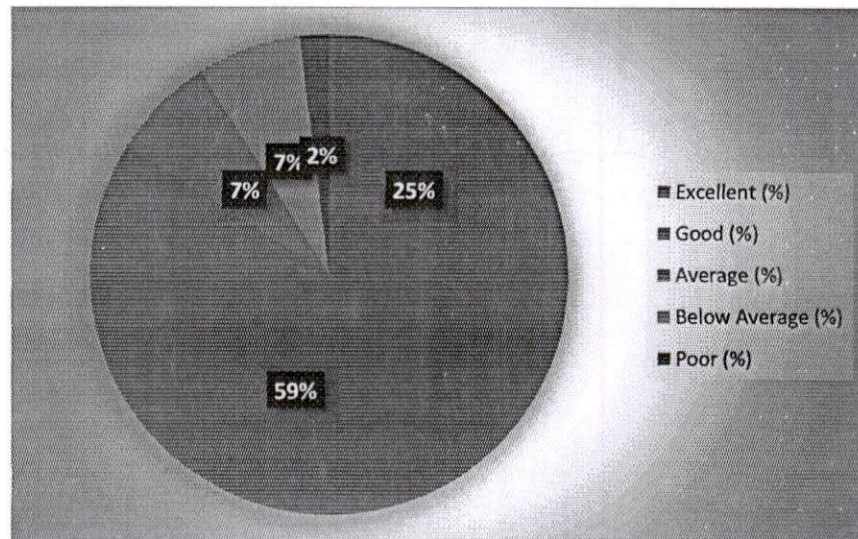


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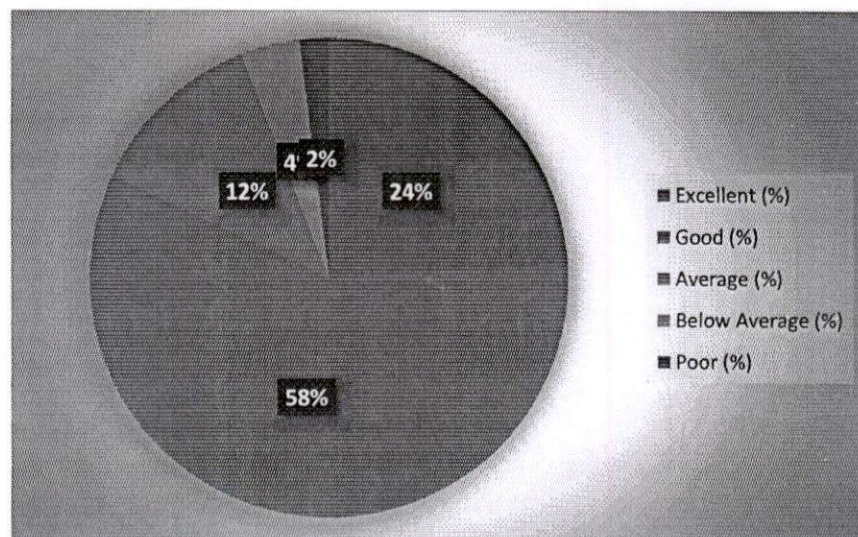




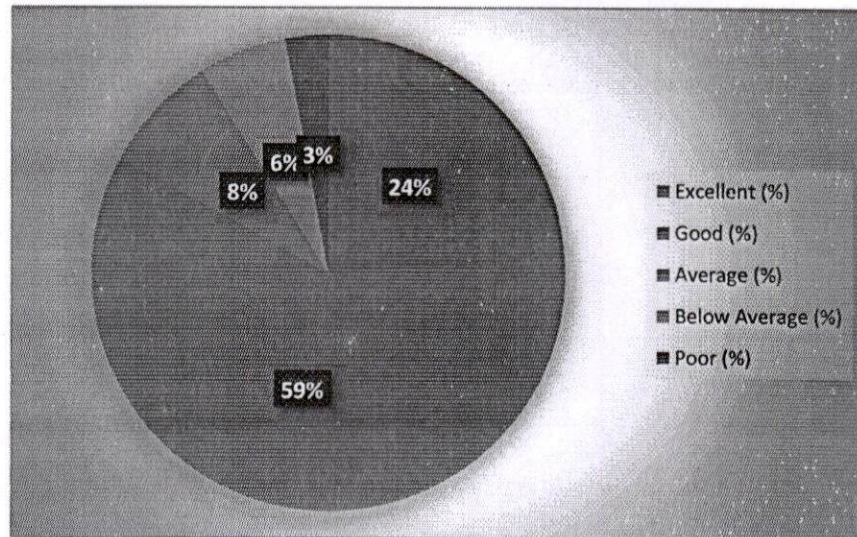
8. The books prescribed/listed as reference in curriculum are relevant, appropriate and updated.



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. System Verilog and UVM based Advanced verification methodologies, ASIC and FPGA Design Methodology courses which are advanced courses in the domain should be included in the curriculum.
2. Job oriented courses such as scripting language- PERL, DFT- Design for Test should be added in the curriculum.
3. RISC-V Projects should be a part of curriculum.

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

1. Job oriented and skill-oriented courses related to the domain, if included in the curriculum will help students to a great extent.
2. Now a days more companies are working on IOT and cloud. For a student to get through, one should have a good command in Arduino. Courses related to this should be added more in the curriculum.

*A. Kaul*  
Program Coordinator

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