



MIT School of
**Bioengineering Sciences
& Research**
Breathe Life into Engineering Career!



TO WHOMSOEVER IT MAY CONCERN

This is to inform to all the stake holders of the institute that, we have collected, analysed and action taken on feedback 2021-22 on curriculum of Bioengineering Degree programs offered by our MIT School of Bioengineering from Students, Faculties, Alumni and Employers. We are providing the analysis of feedback for the academic year 2021-22 for your information. Thanks for your co-operation in providing feedback and supporting to improve our students skills/knowledge globally.

*Analysis of feedback
forms 2021-22*

AJ Students

I. Details of number of students and responses obtained program wise

Total number of students enrolled in B. Tech . Bioengineering	299
Total number of feedback obtained	152

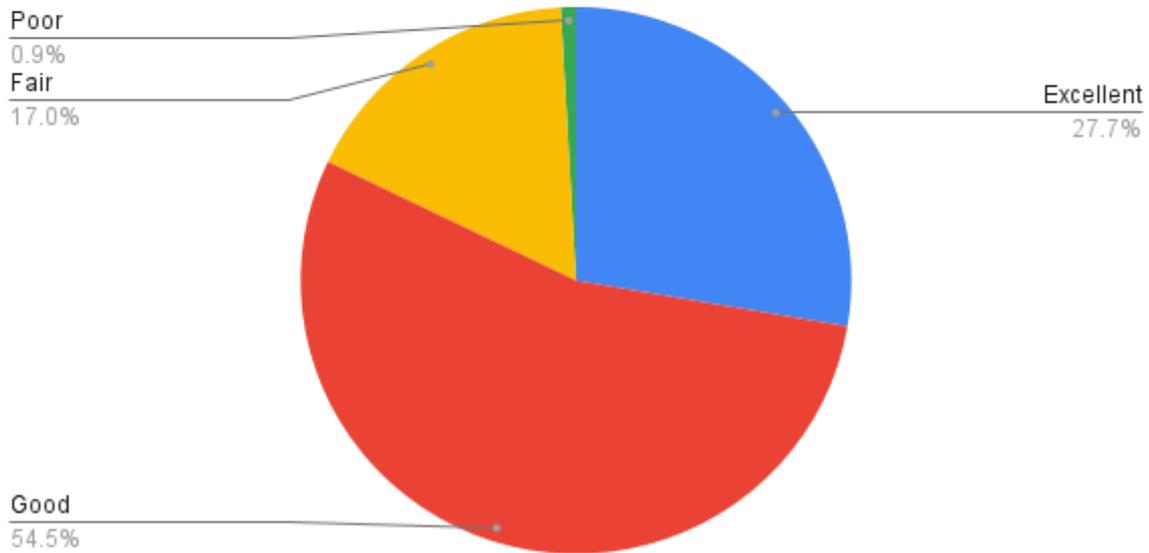
Total number of students enrolled in Integrated M. Tech. Bioengineering	135
Total number of feedback obtained	66

Total number of students enrolled in M. Tech. Environmental Bioengineering	3
Total number of feedback obtained	3

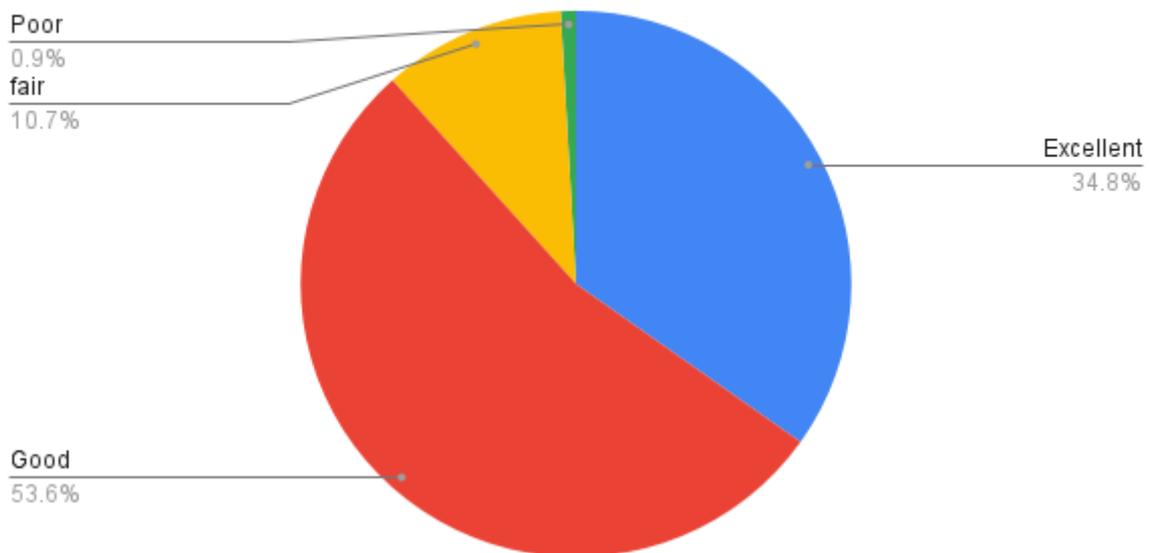
2. Graphical representation of Feedback from various degree programmes

Degree: B. Tech Bioengineering

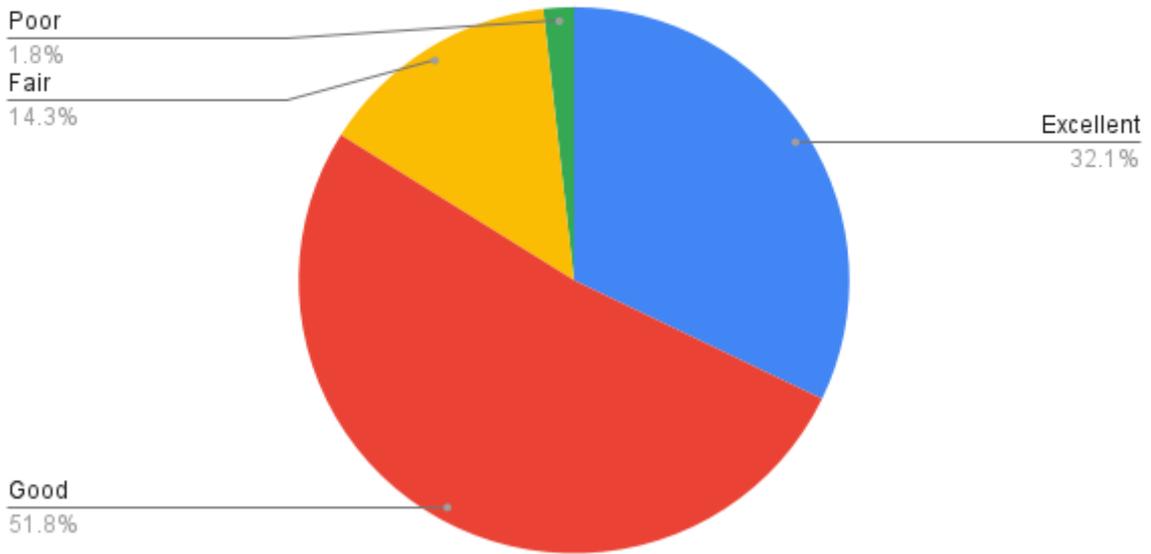
Count of What is the standard of the curriculum taught? Rate the curriculum considering the local, national and global needs?



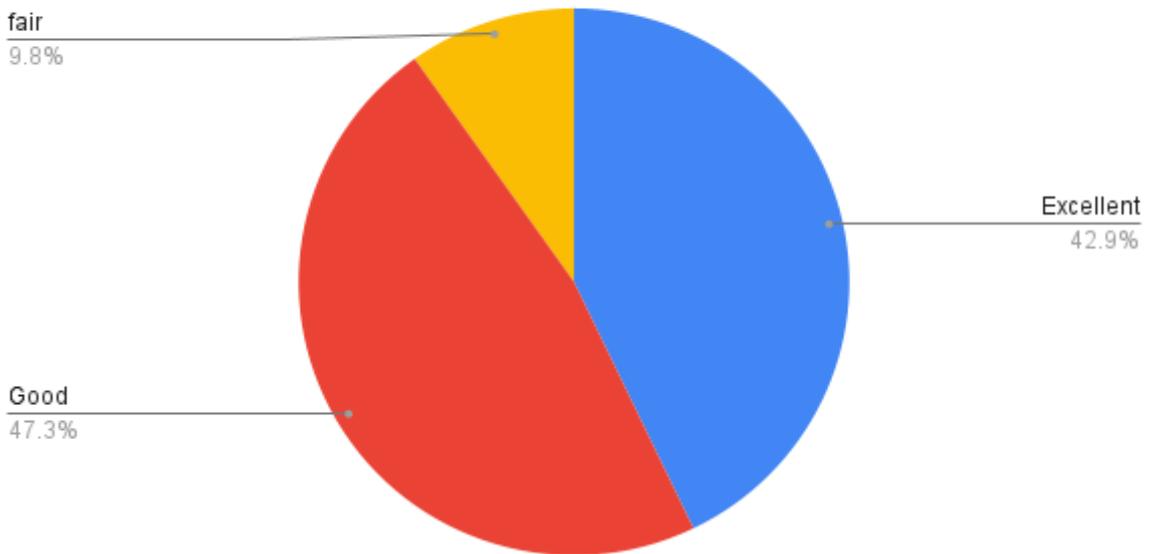
Count of The curriculum is well structured and relevant to real life situations



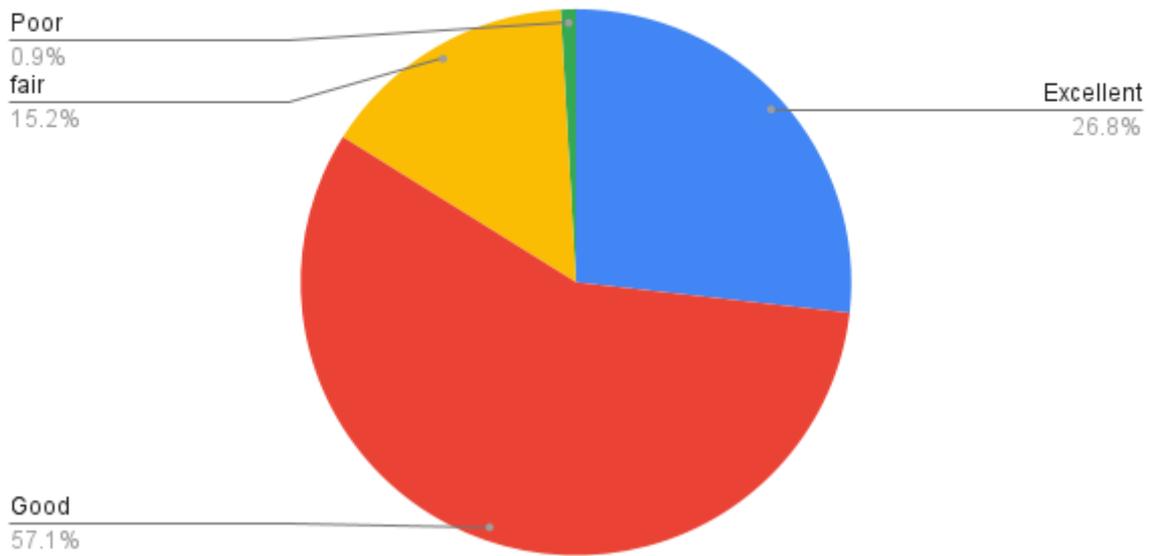
Count of The curriculum includes Latest Development/Research Component.



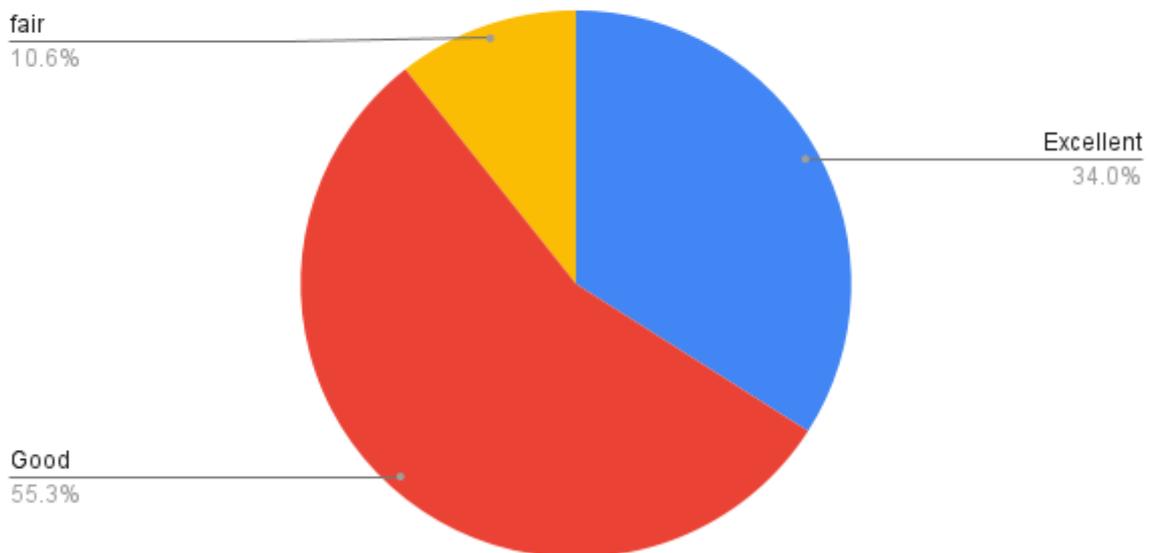
Count of Rate the structure of the curriculum designed for the Bioengineering program.



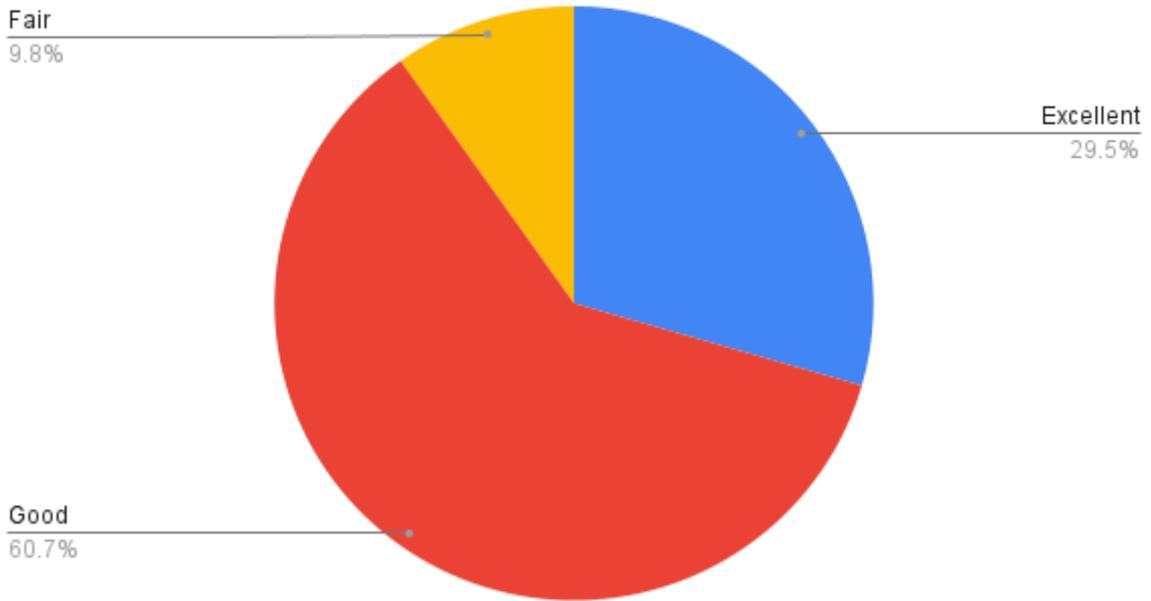
Count of Rate the depth of the curriculum offered in terms of the competencies expected by the industry.



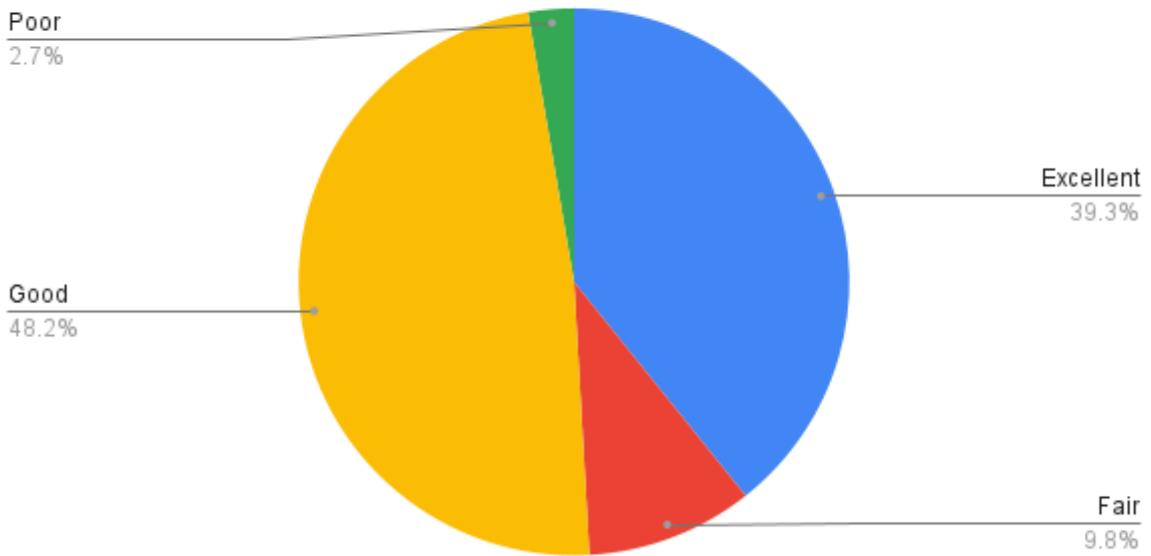
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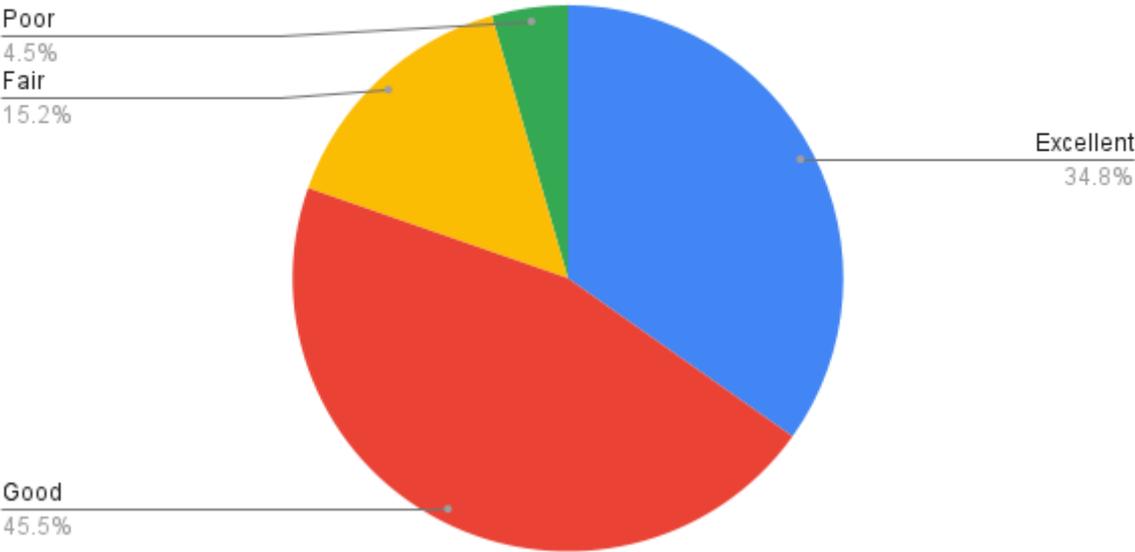
Count of Overall curriculum rating



Count of Curriculum offered has made me interest in the Bioengineering program.

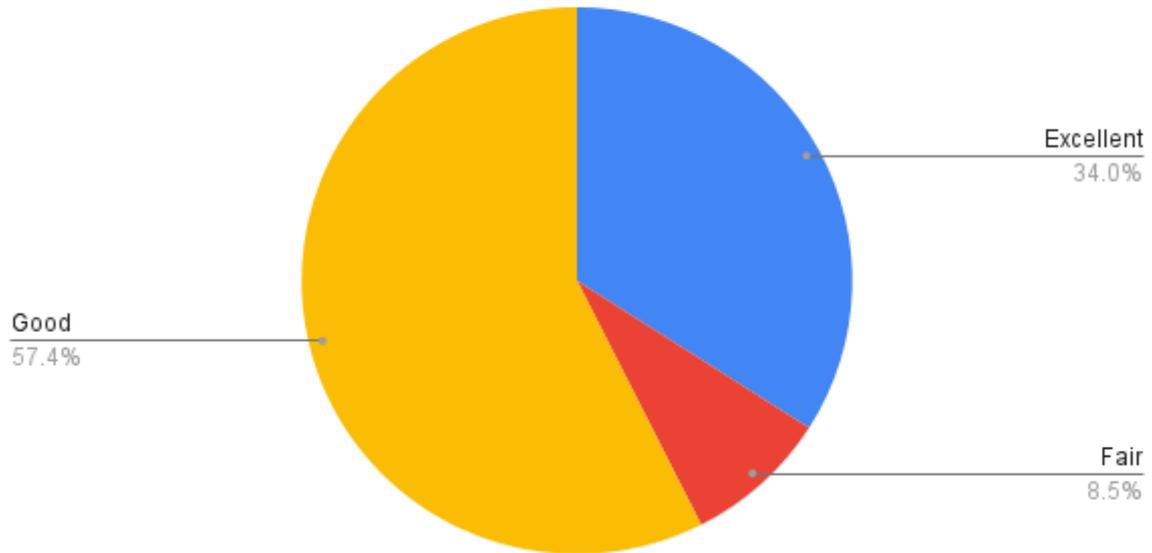


Count of Curriculum has right balance between the theory, practical and project, training, internship.

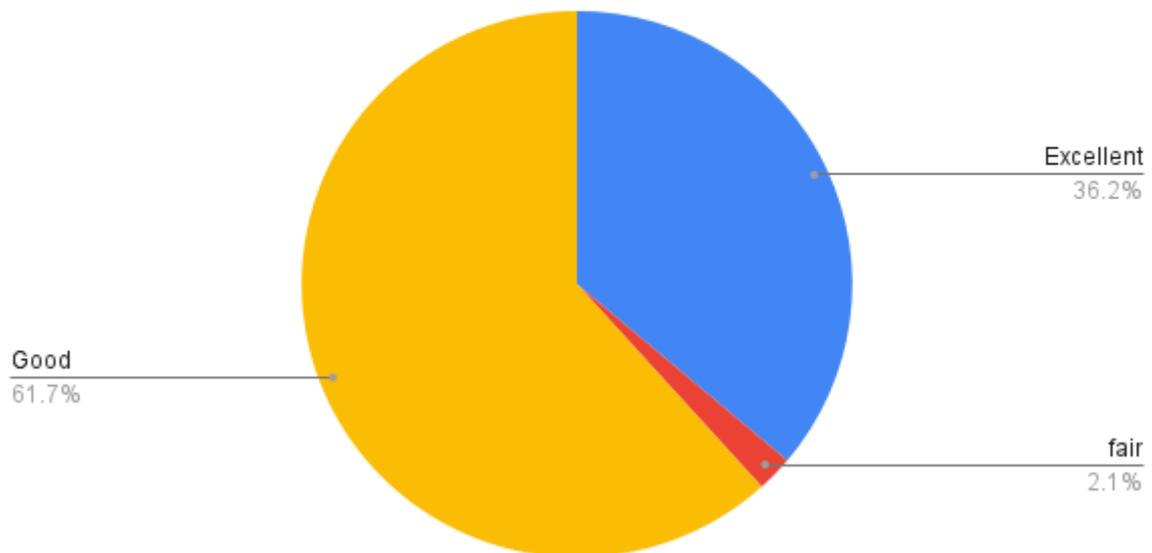


Degree: Int. M.Tech. Bioengineering

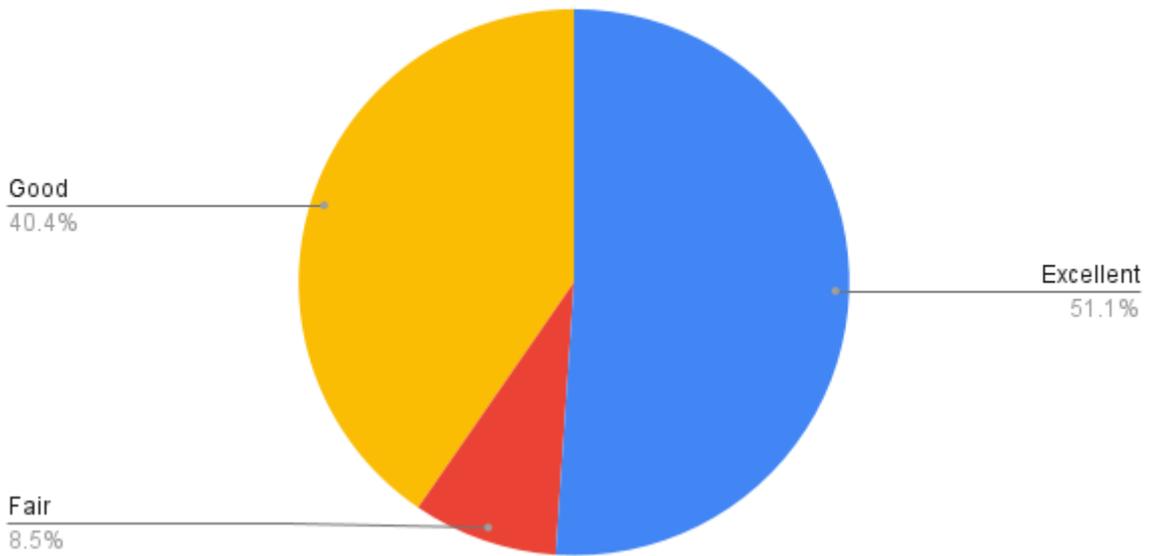
Count of What is the standard of the curriculum taught? Rate the curriculum considering the local, national and global needs?



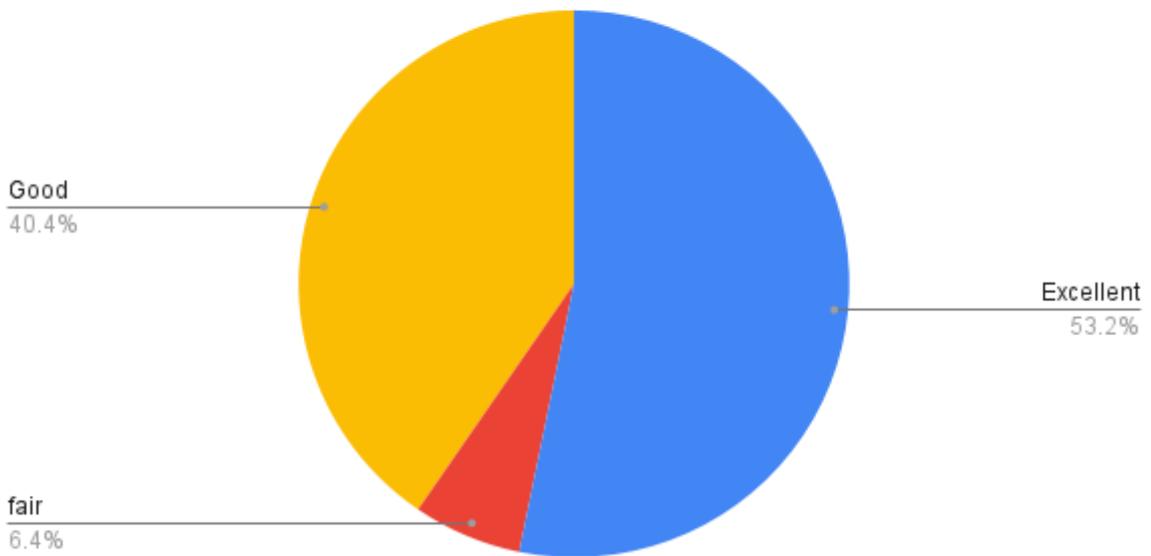
Count of The curriculum is well structured and relevant to real life situations



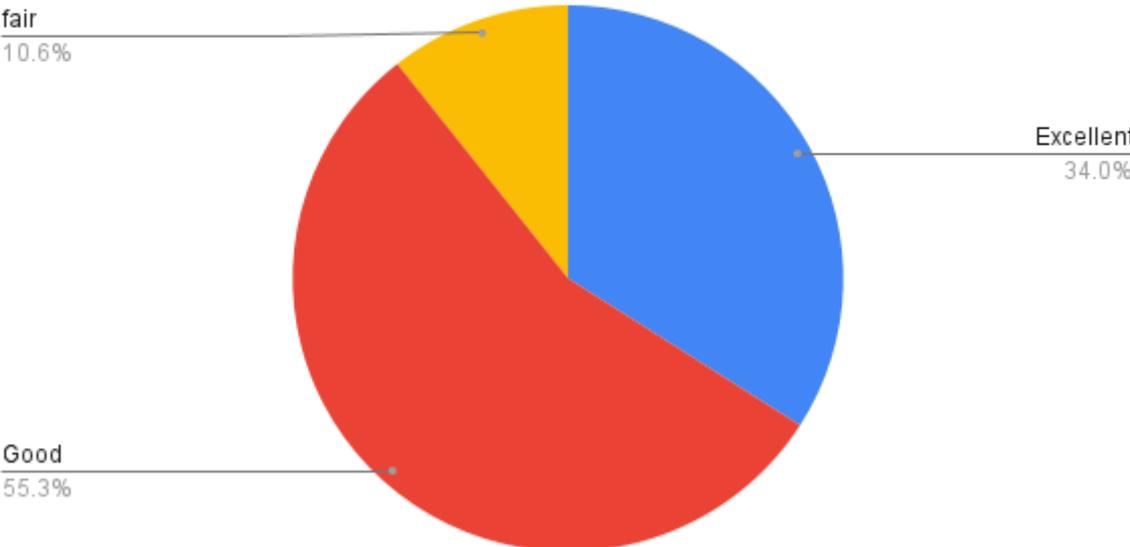
Count of The curriculum includes Latest Development/Research Component.



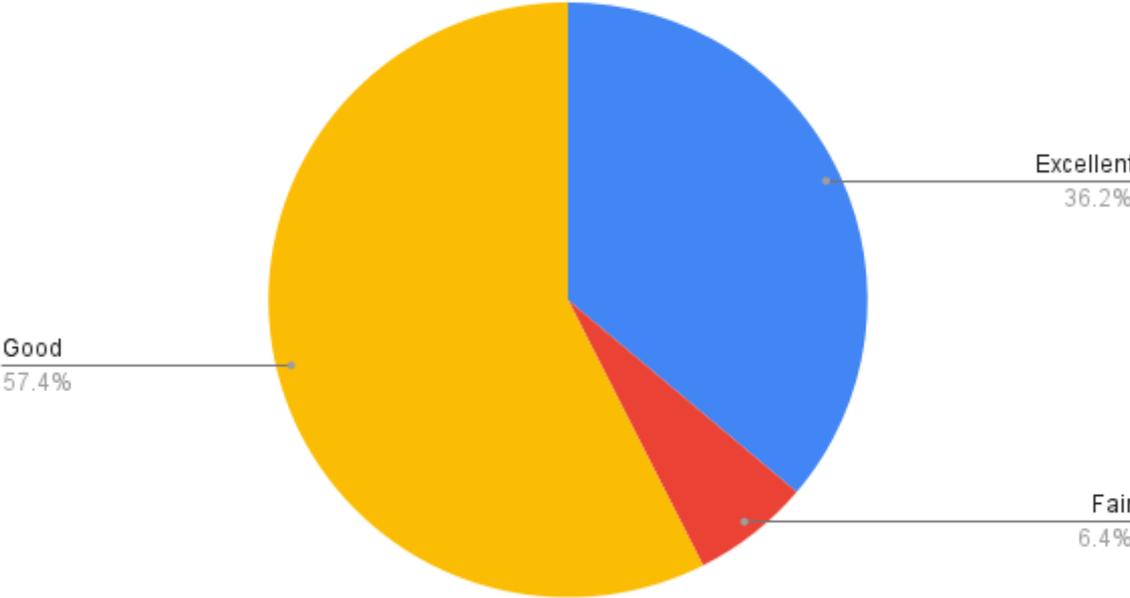
Count of Rate the structure of the curriculum designed for the Bioengineering program.



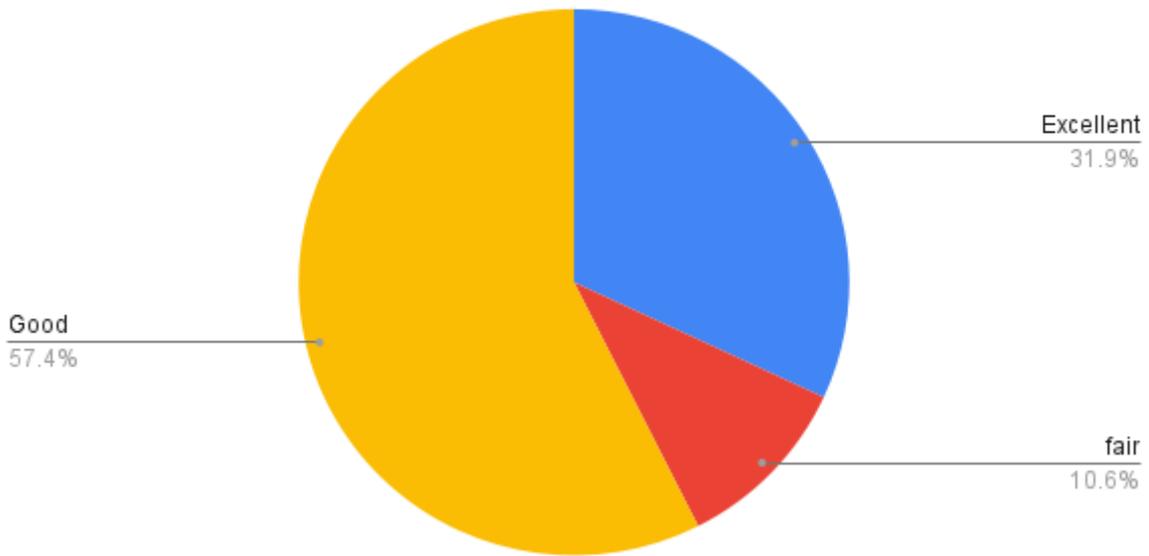
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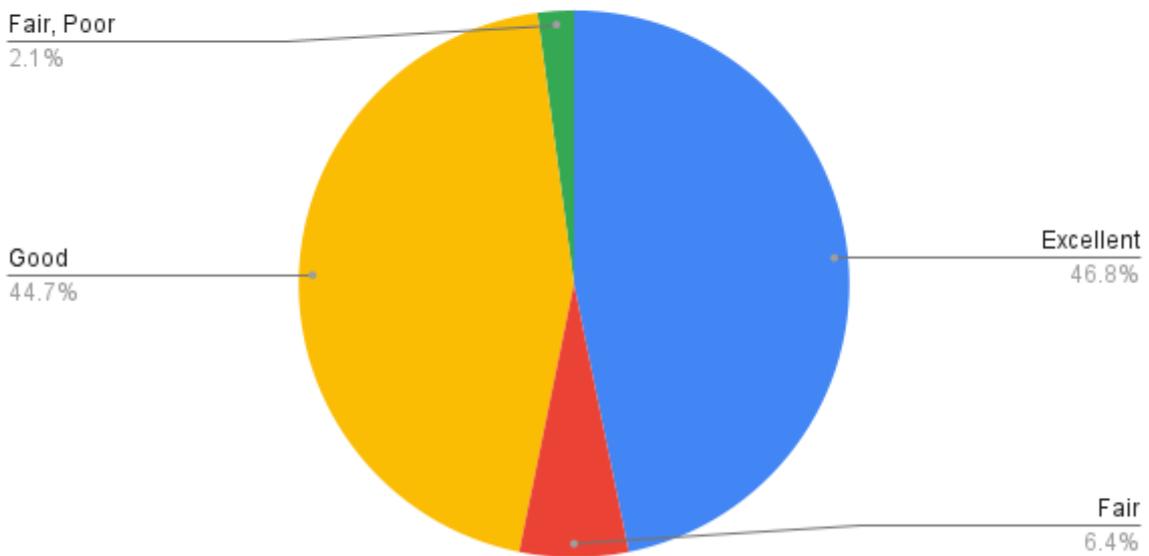
Count of Overall curriculum rating



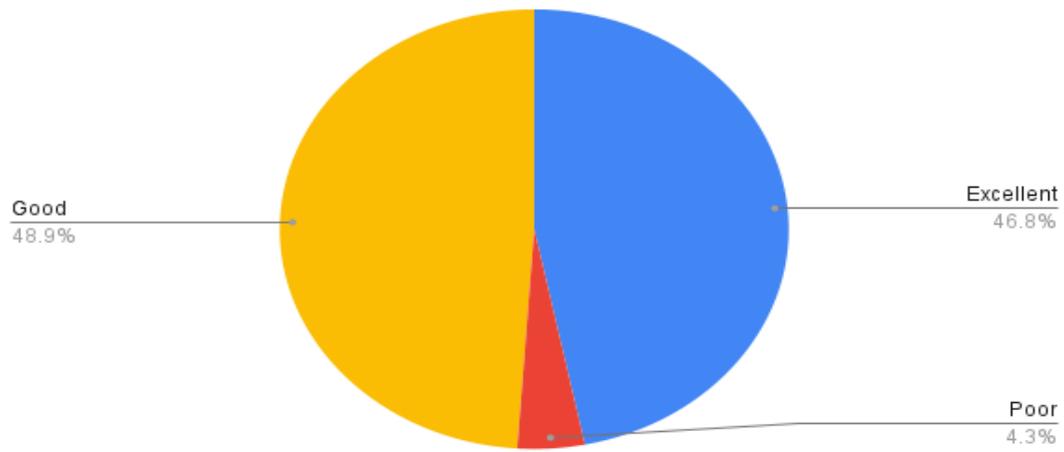
Count of How do you find the curriculum from the employability, and entrepreneurship point of view ?



Count of Curriculum offered has made me interest in the Bioengineering program.

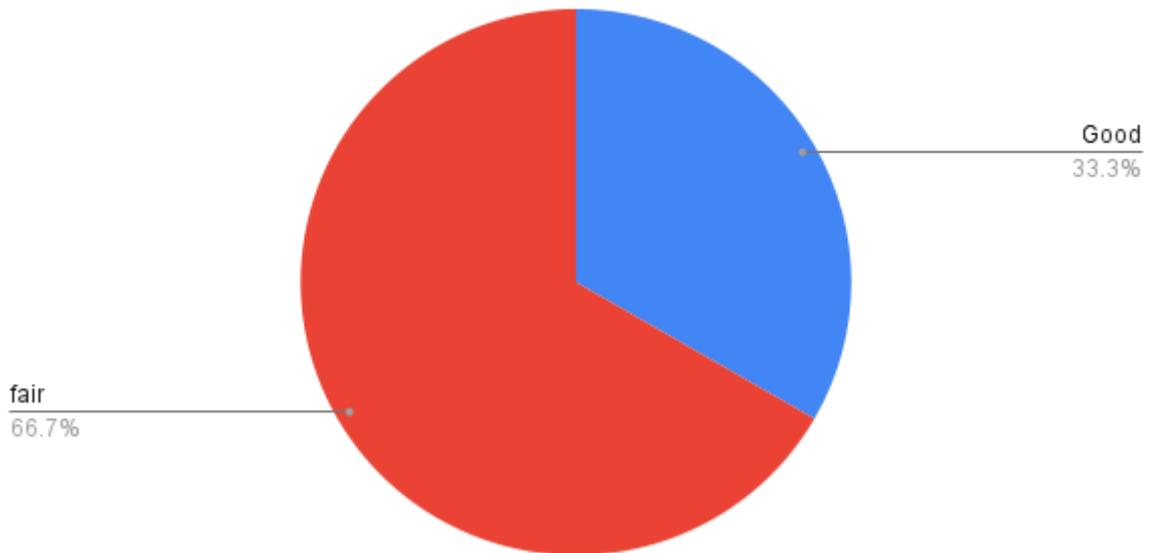


Count of Curriculum has right balance between the theory, practical and project, training, internship.

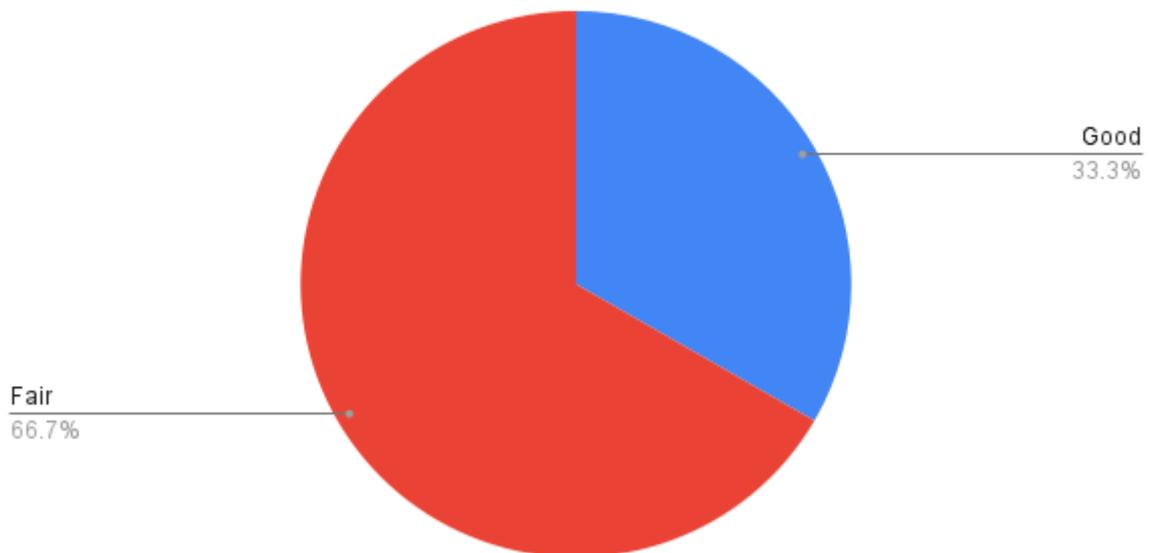


Degree: M.Tech. Environmental Engineering

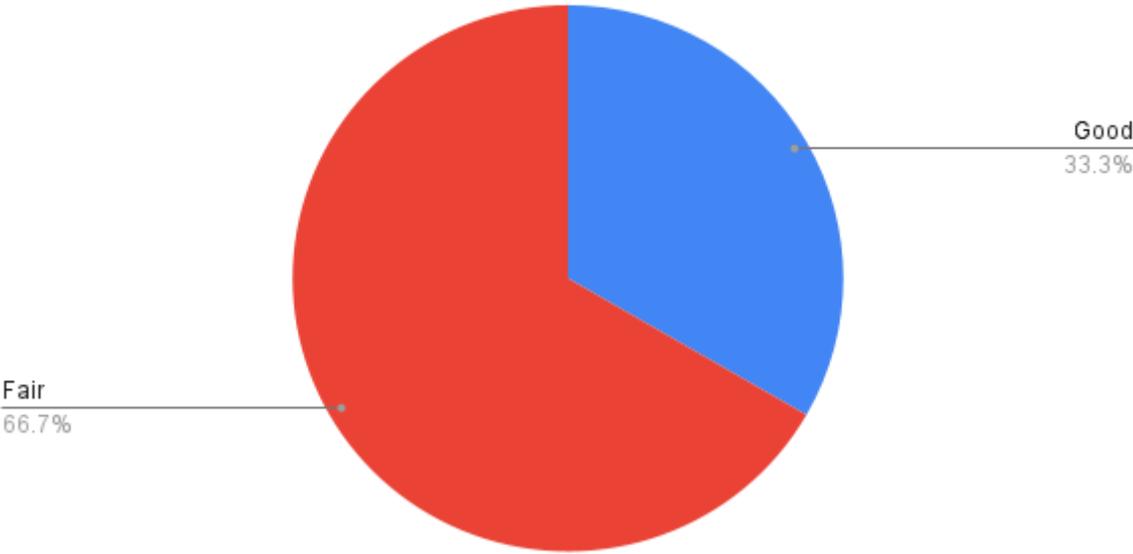
Count of The curriculum is well structured and relevant to real life situations



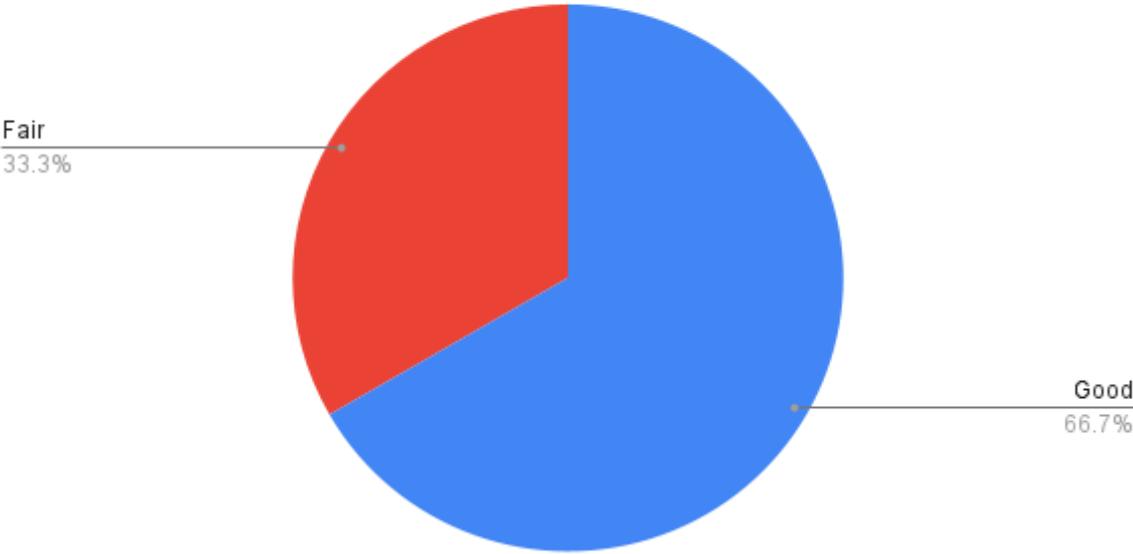
Count of The curriculum includes Latest Development/Research Component.



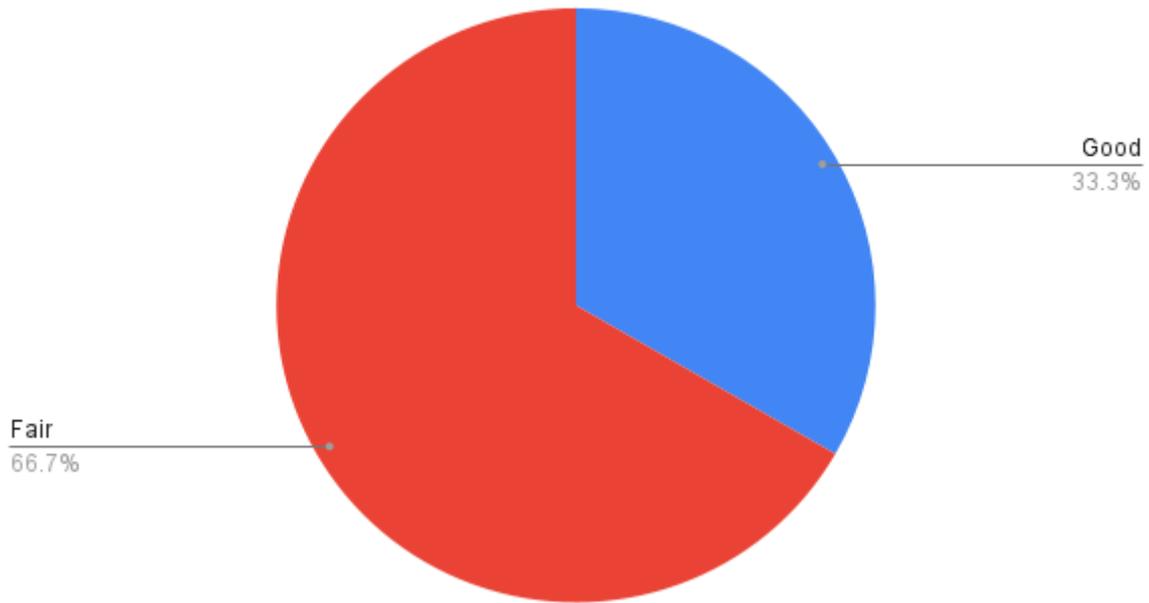
Count of What is the standard of the curriculum taught? Rate the curriculum considering the local, national and global needs?



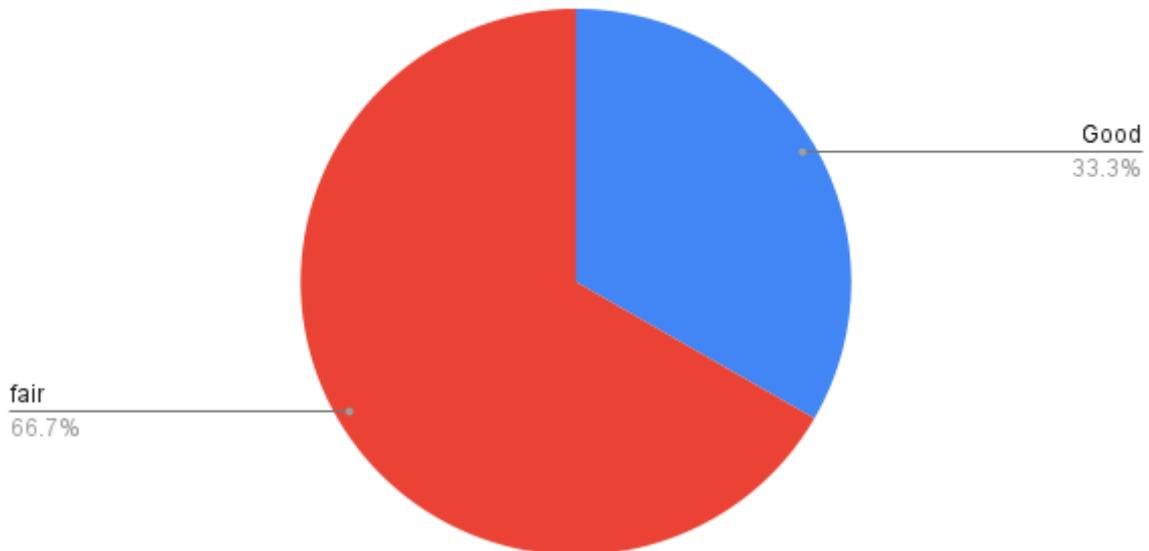
Count of Curriculum offered has made me interest in the Bioengineering program.



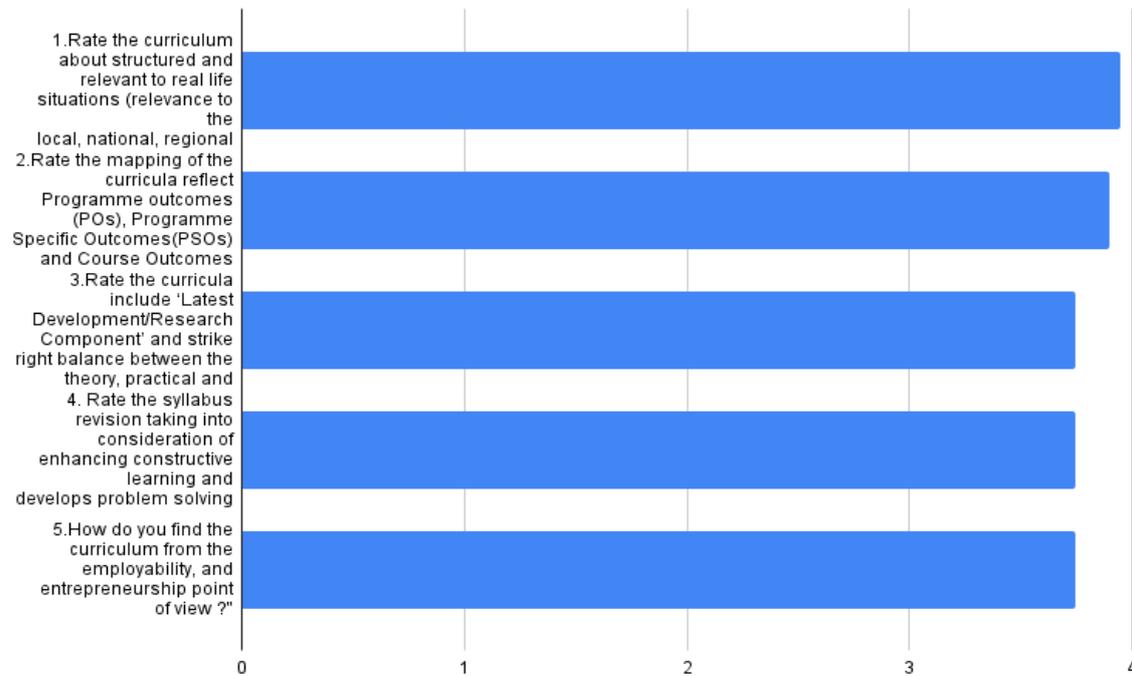
Count of Overall curriculum rating



Count of Rate the depth of the curriculum offered in terms of the competencies expected by the industry.



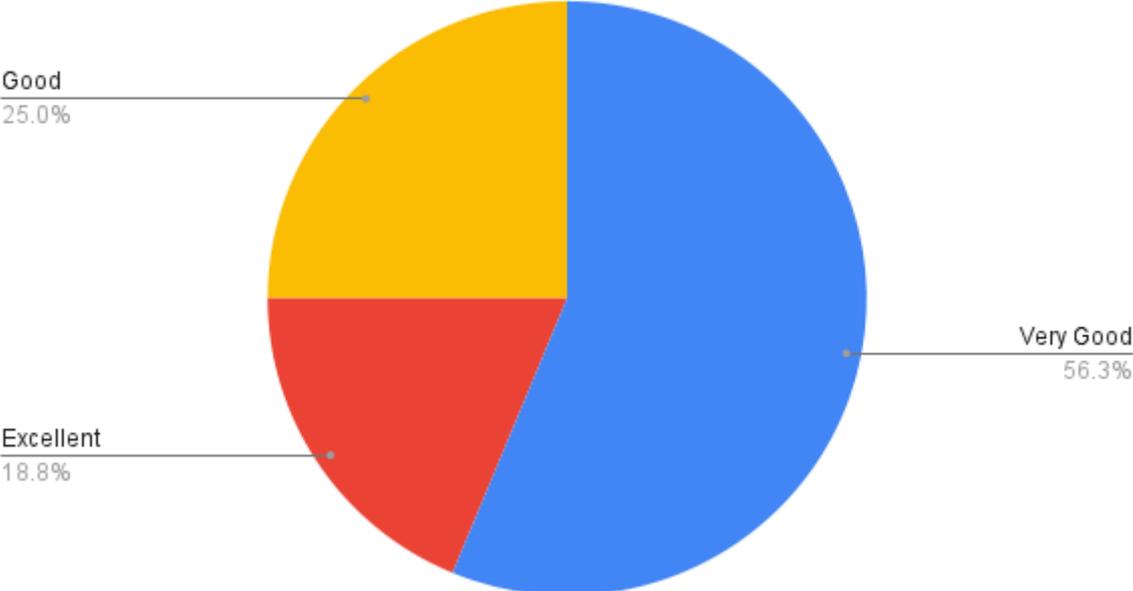
Curriculum feedback by Faculty 2021-22



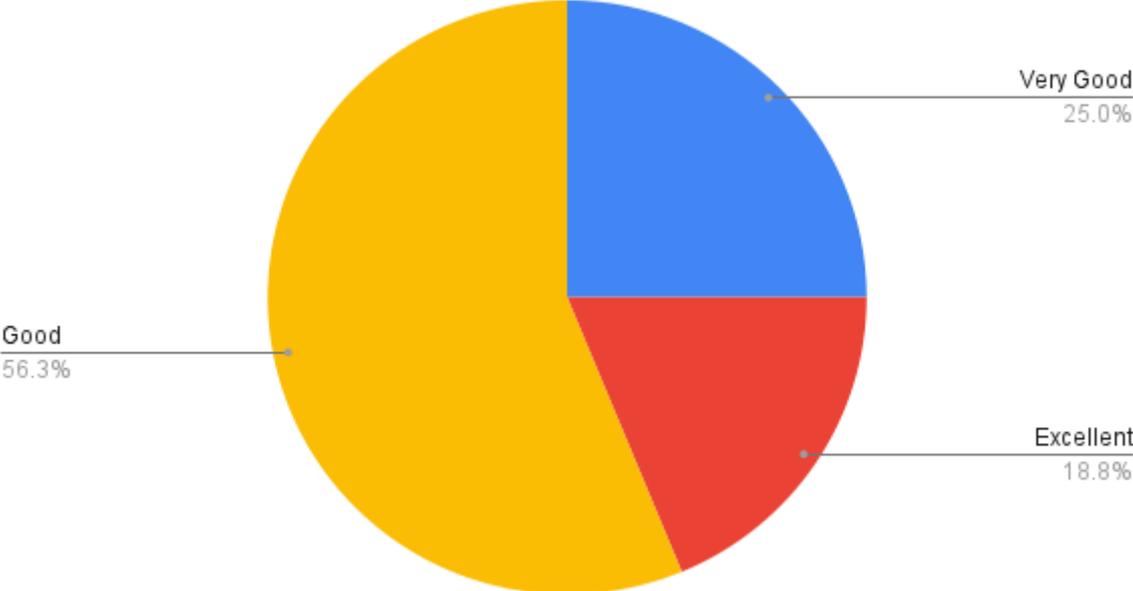
Alumni

Feedback analysis for alumni

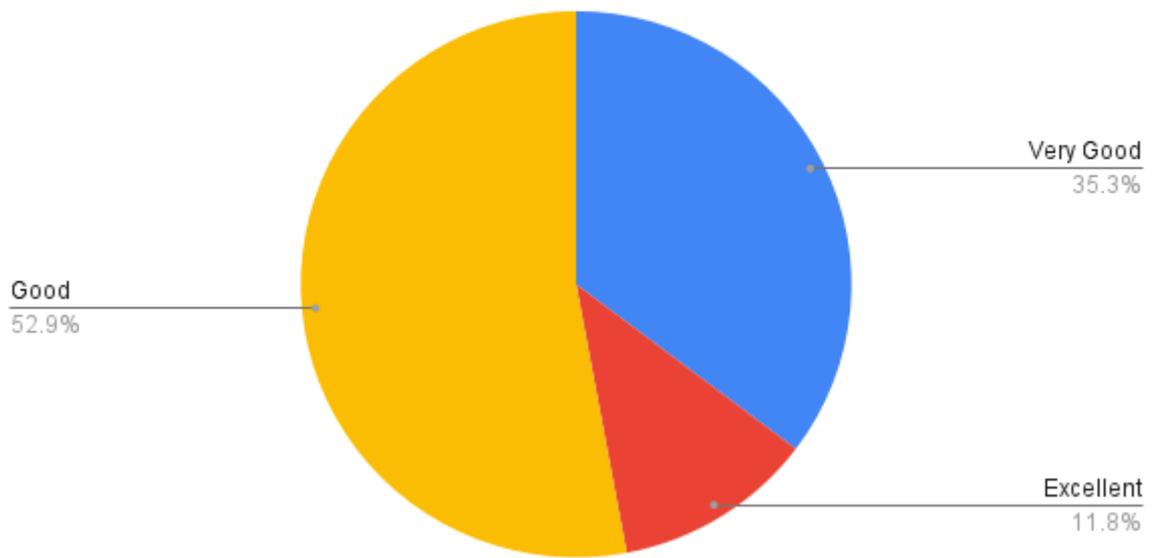
Count of 16. Overall rating on syllabus



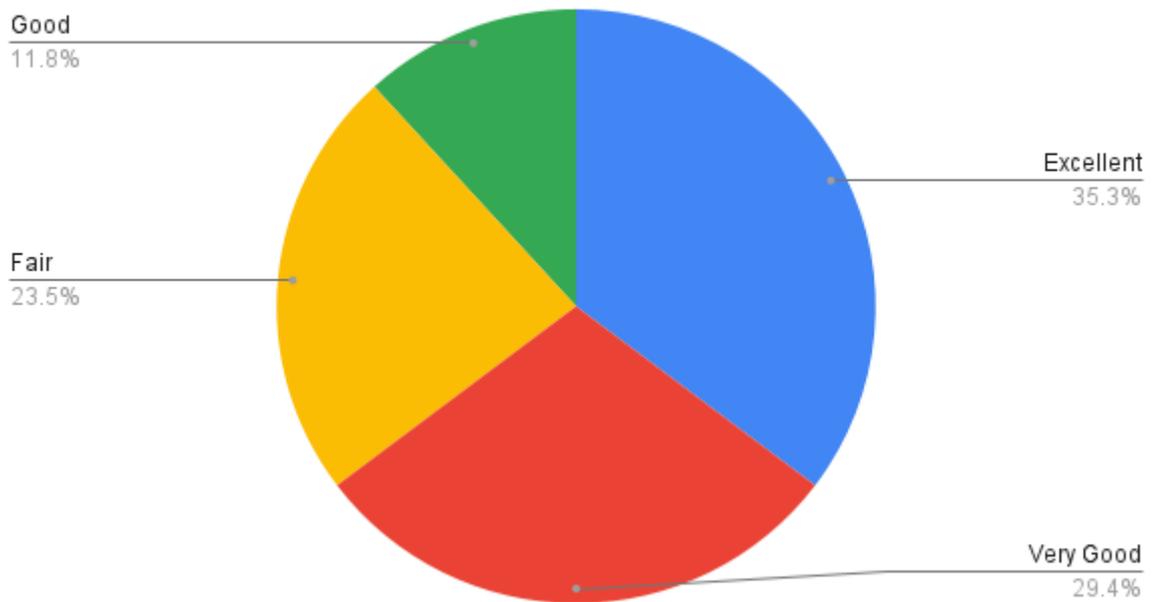
Count of 15. Syllabus is suitable for industry needs



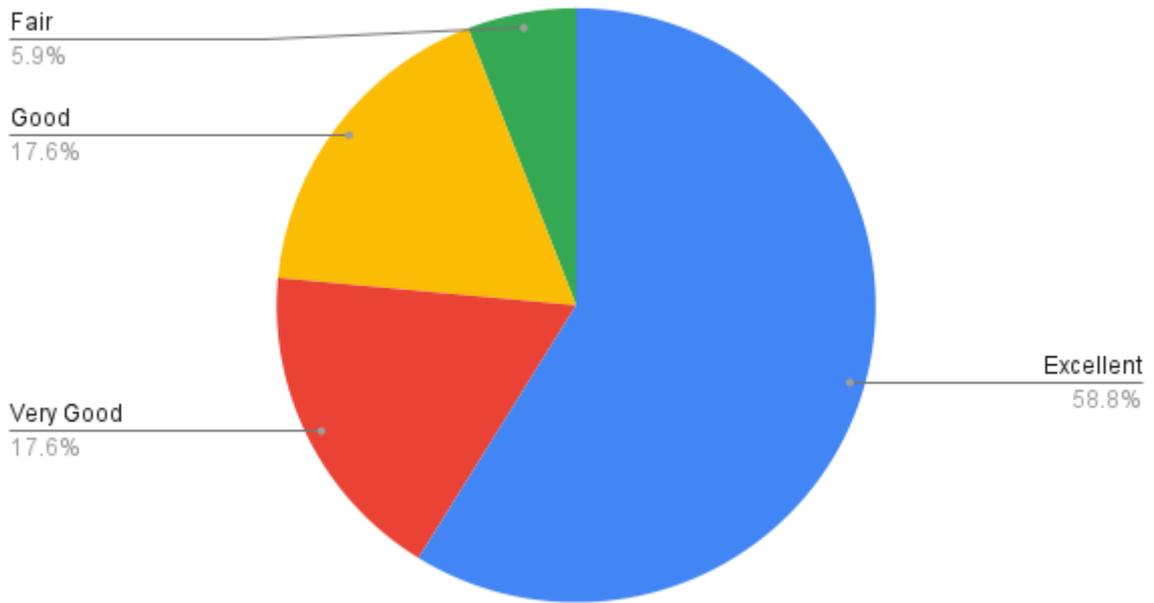
Count of 14. Syllabus is updated as per nation/international needs



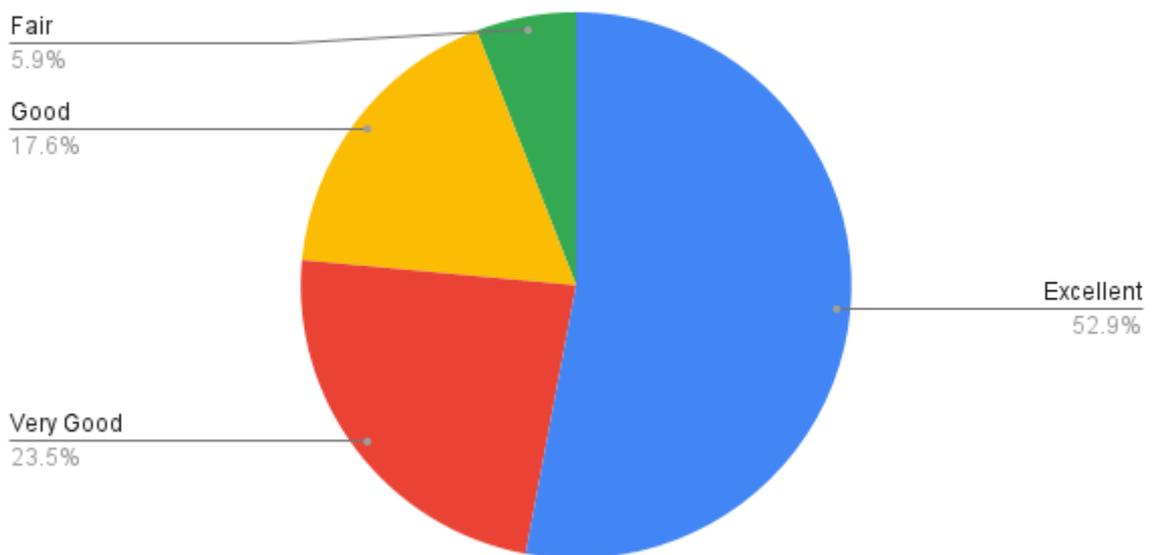
Count of 13. Opportunity to participate various clubs



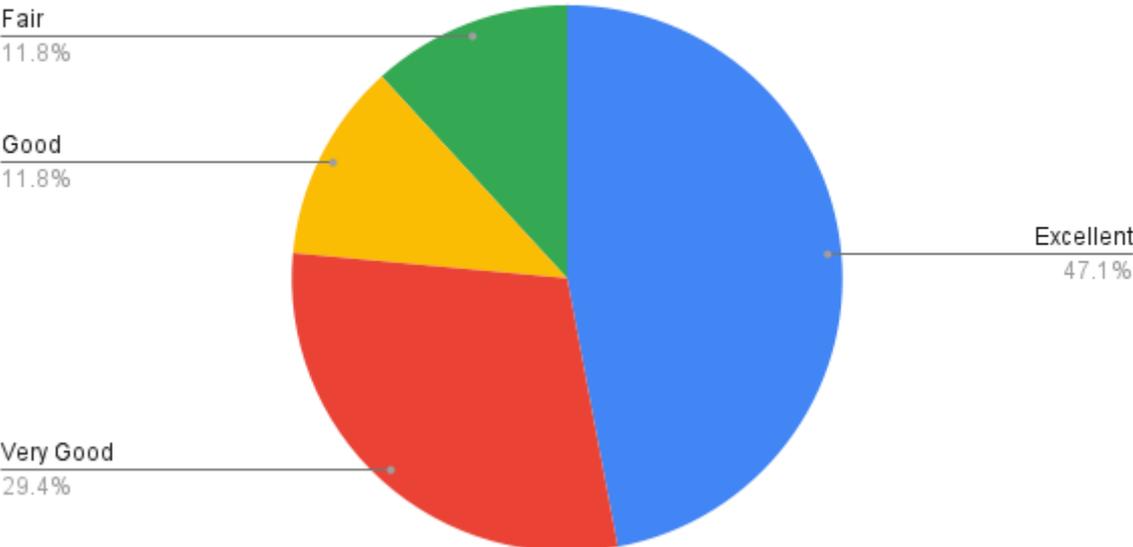
Count of 12. Doubts clarification by concern teacher



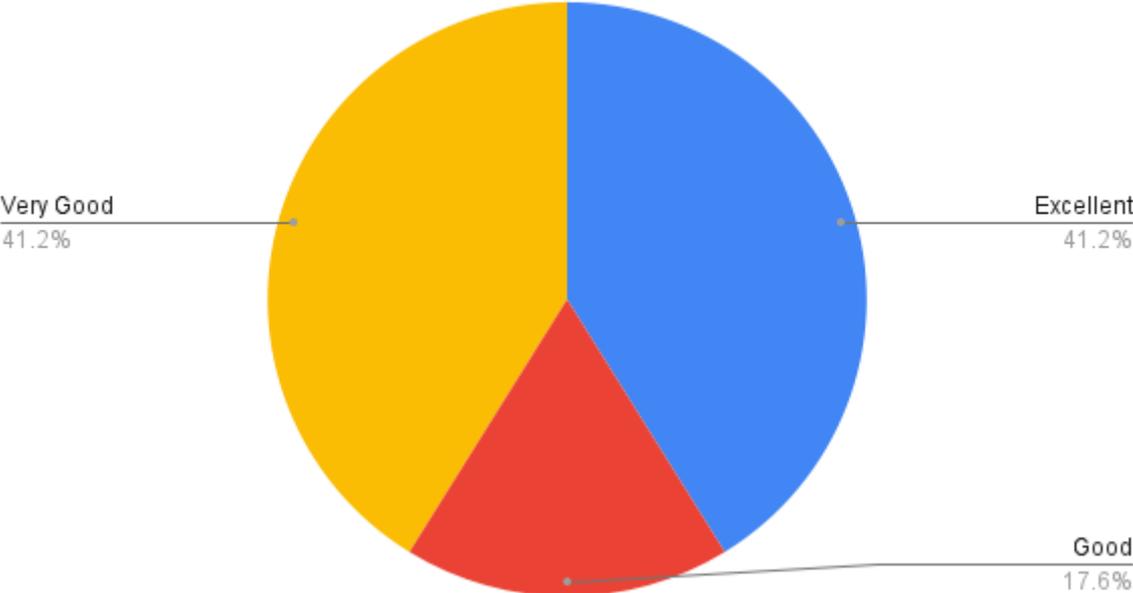
Count of 11. Use of ICT facilities to teach the subject – PPT, Videos, e-material



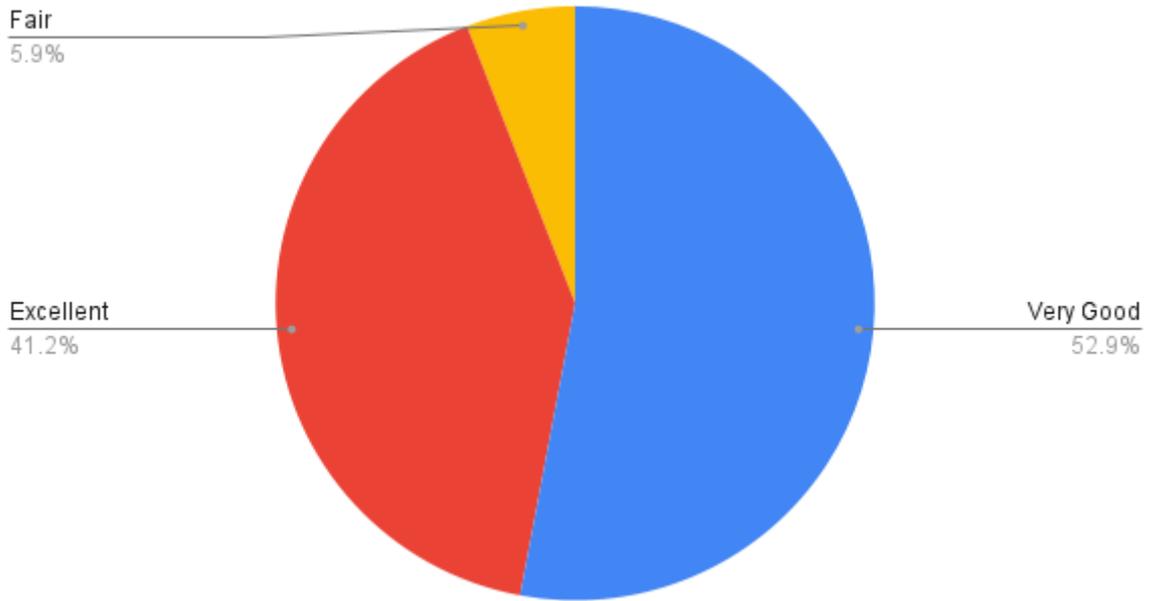
Count of 10. Discussion on examination answer papers if required



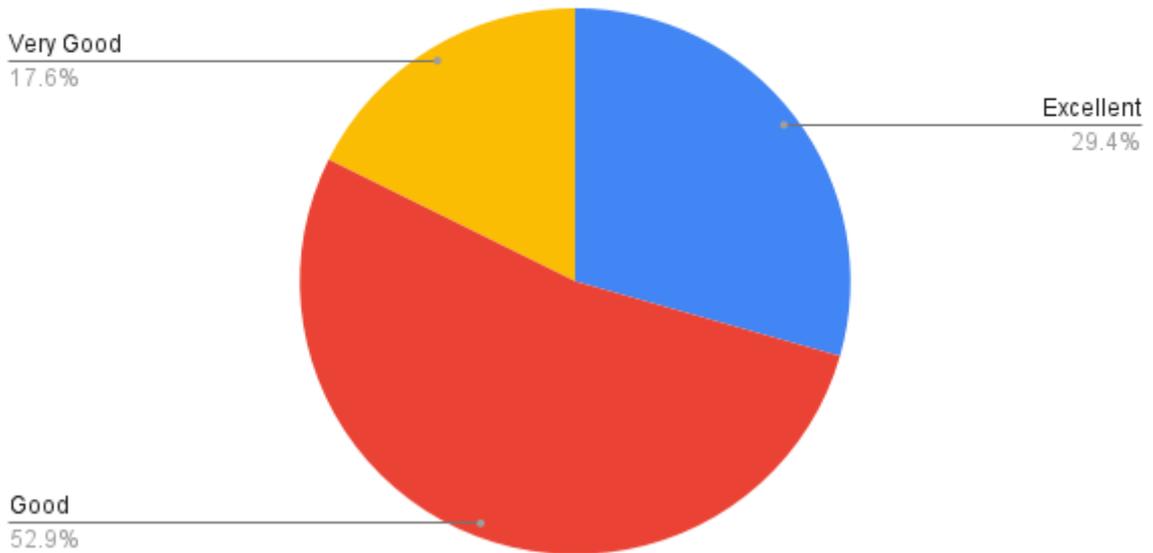
Count of 9. Fairness of examination paper evaluation



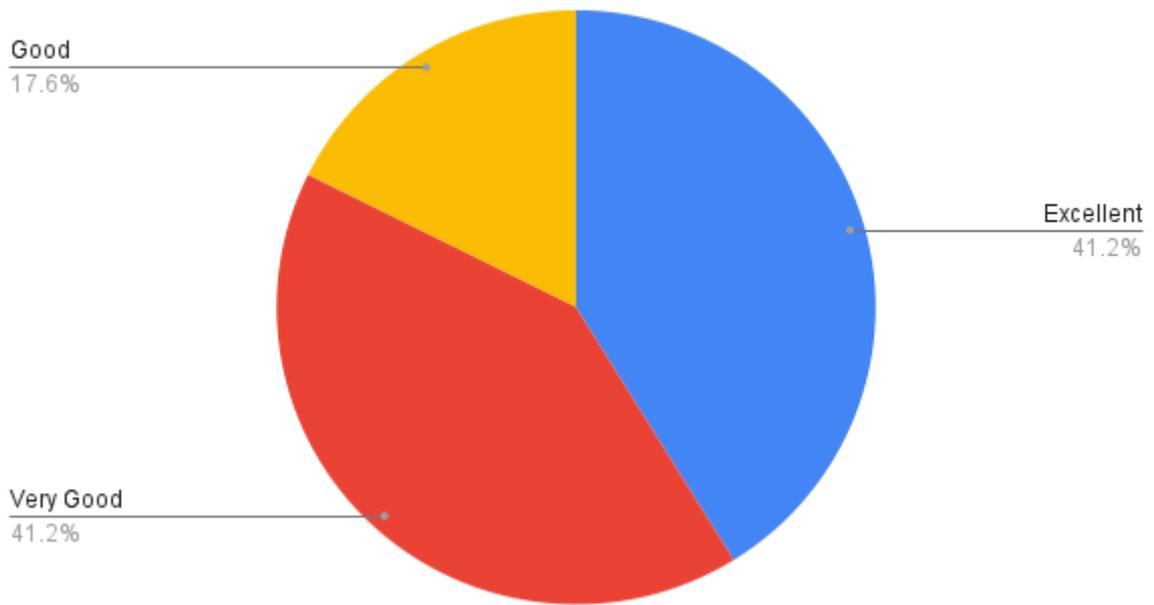
Count of 8. Time given by faculty to discuss the topics/doubt



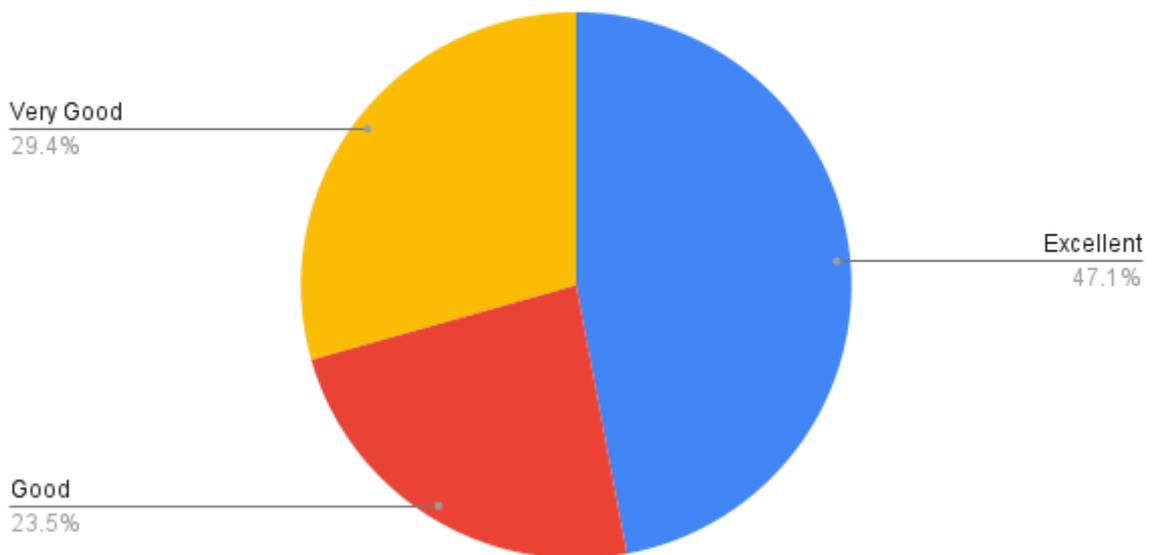
Count of 7. Scope of skill development/
Entrepreneurship/personality development



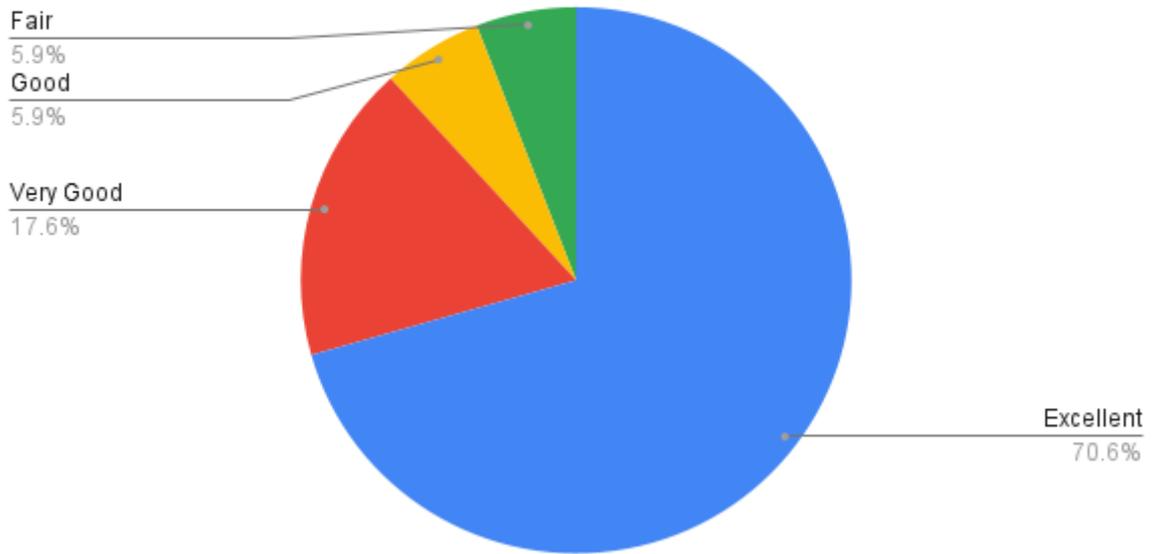
Count of 6. Opportunity to do in house projects



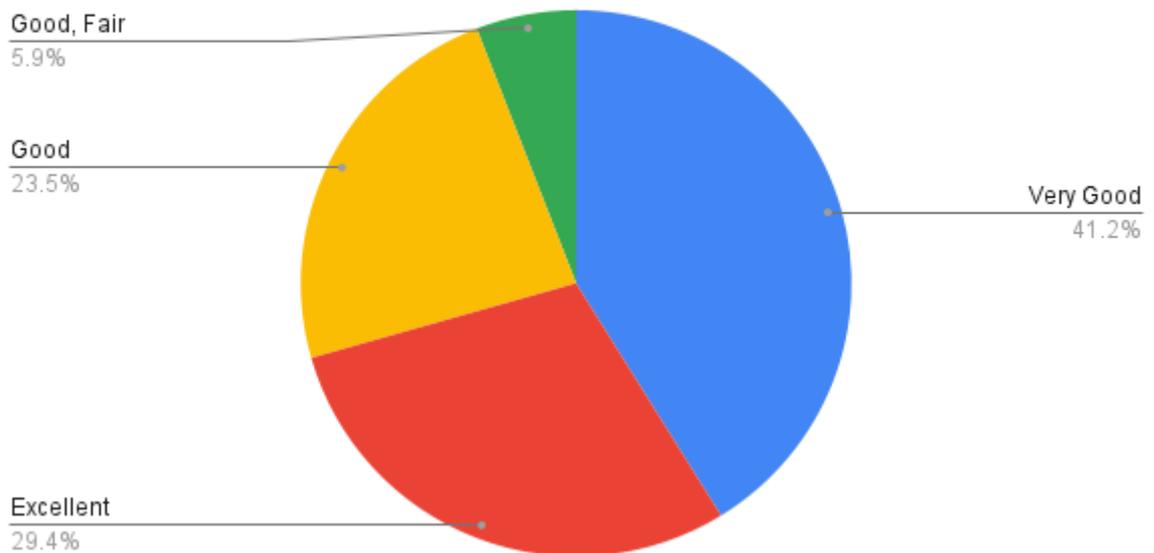
Count of 5. You get opportunity to participate and conduct practicals as per syllabus



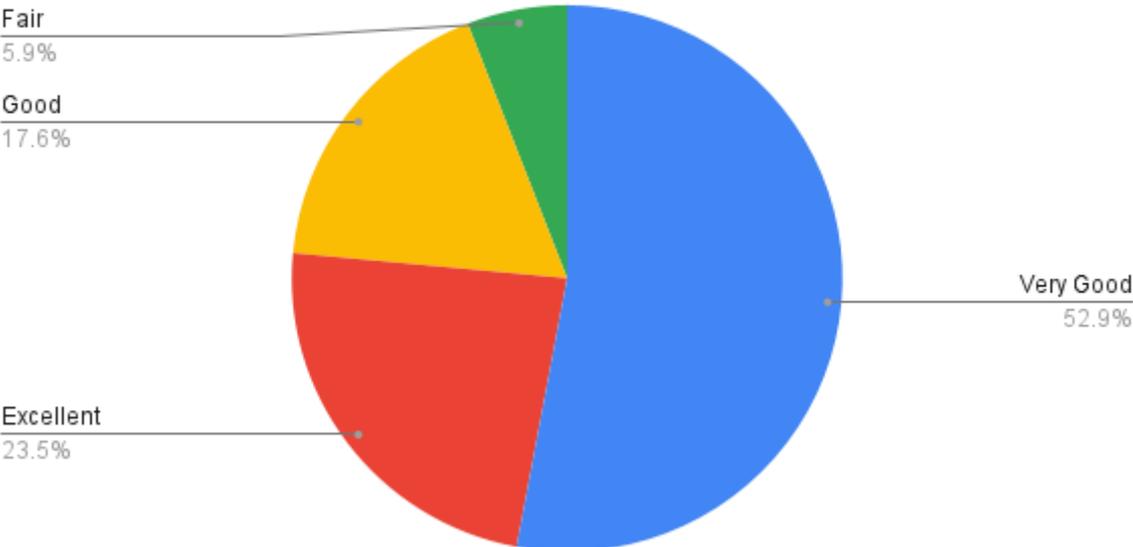
Count of 4. Get chance to discuss about topics with subject teacher.



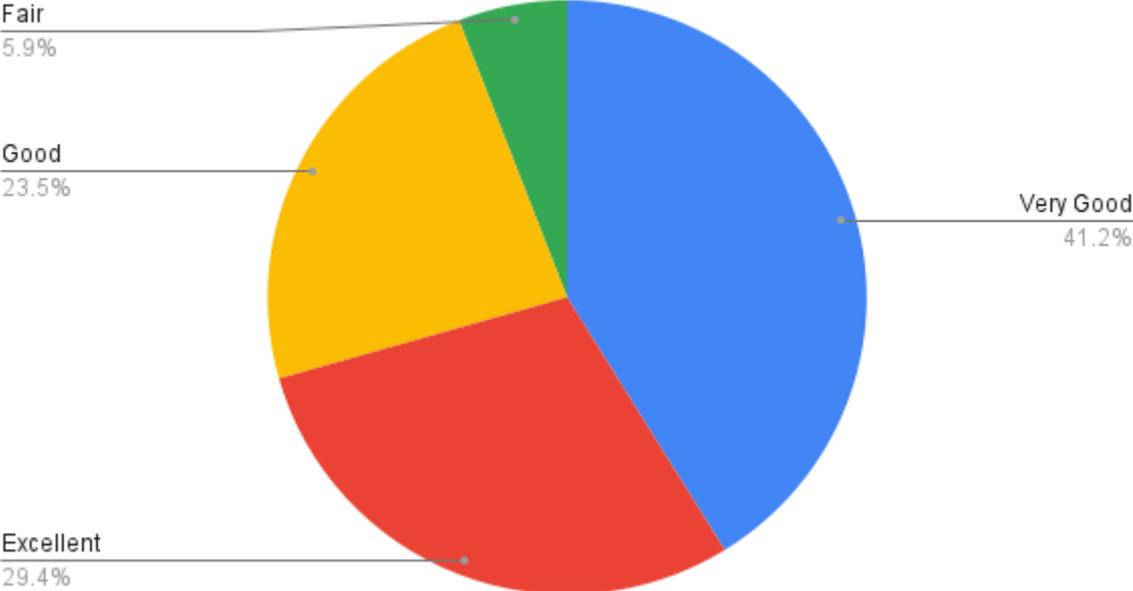
Count of 3. Students get notices and circulars regarding the events, examinations in advance.



Count of 2. Aims and objectives defined in each course are suitable.

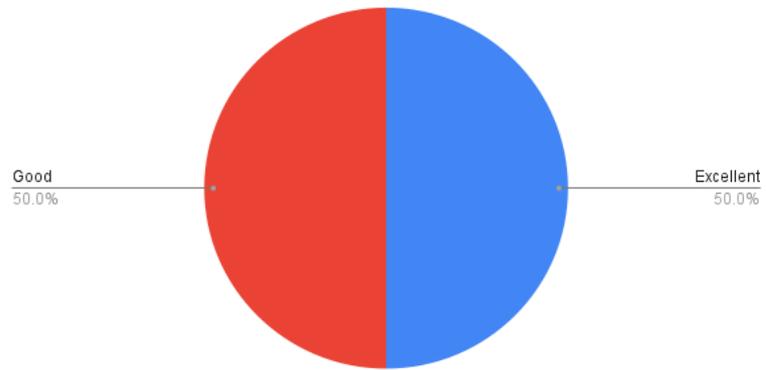


Count of 1. The syllabus is suitable for the Degree chosen

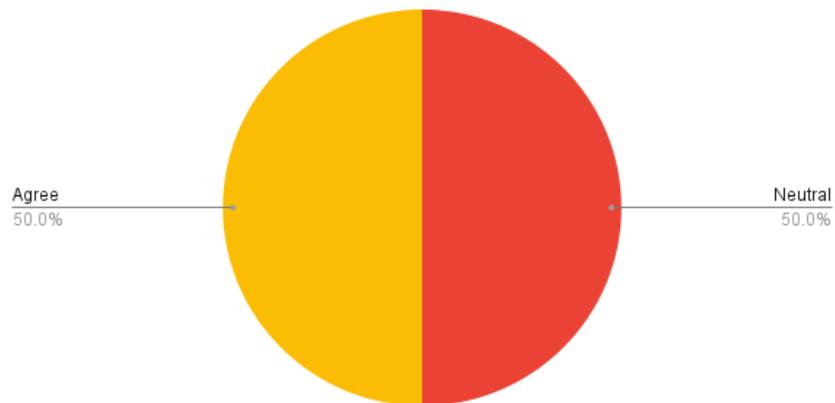


Employer

Count of Fundamental theoretical knowledge of the student who joined at your organization



Count of Curriculum designed as per Industry/ Research institute needs



Count of communication skills of the student serving your organization



Count of Student learned the basic skills as per your organization requirement



2. Comparison of Feedback of different Stakeholders

There are various points in the feedback collected from stakeholders like Students, Employees and alumni. Rate out of 5

S.No	Description	Students	Employers	Alumni
1	Overall Rating	4	4	4

3. Pertinent pointers identified & drawn to enhance the learning effectiveness

The feedback from various stockholders was collected and analyzed. Later, few pointers found to be improved in the curriculum of B. Tech. Bioengineering and Int. M. Tech. Bioengineering Degree and M.Tech. Environmental courses.

1. Instead of more theory in the subjects, more focus can be given on practicals
2. More industrial visits can be arranged to know the industrial processes
3. Programing courses have the more oppourtunity to include the practicals as per industry needs.
4. Few elective courses can be considered for main courses as per industry suggestions.

Basis of Planning the Revision or Updating the Syllabus based on the Feedback

The feedback is collected from various stakeholders and analyzed for the academic year 2020-21. Later, a faculty meeting was organized to incorporate the modification of the syllabus with

the consultation of subject teachers. The modified syllabus was kept for approval from 11th Board of Studies (BOS) and later approved by the Academic council.

As per the suggestions of the experts, a modified syllabus will be implemented from the academic year 2023-24.

Action Taken and Improvement or Enrichment in the Curriculum

The stakeholder's feedback 2021-22 was taken into the consideration to improve the curriculum in the 11th BOS meeting.

The revised syllabus will be implemented from the academic year 2023-24.

Conclusion

The feedback for all the stakeholders were collected and analysed in a lucid manner. Overall rating of the curriculum is satisfactory but still needs improvement. The modification of the curriculum done after consultation with faculty members, Industry people and subject experts.