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 2022-23 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 2022-23 for your information. Thanks for your co-operation in providing feedback and supporting to improve our students skills/knowledge globally.
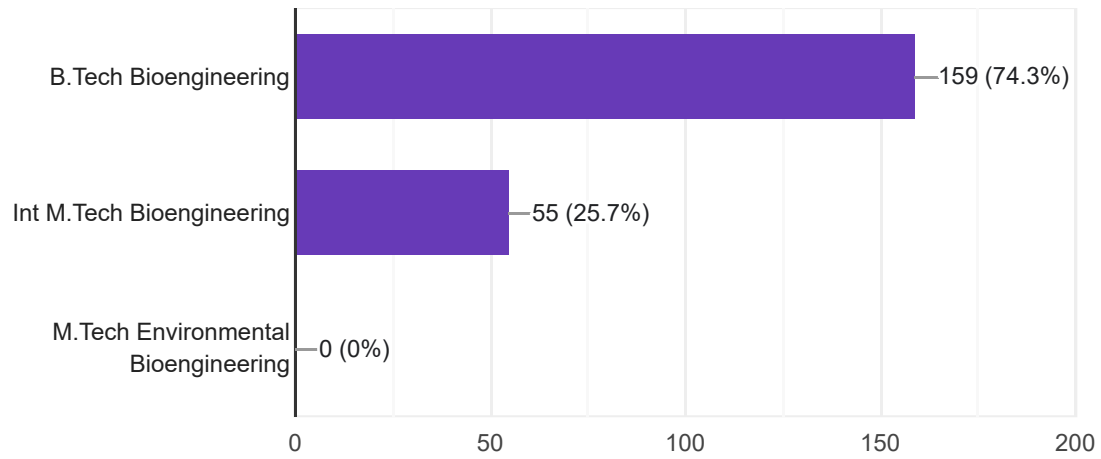
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Analysis of feedback forms 2022-23

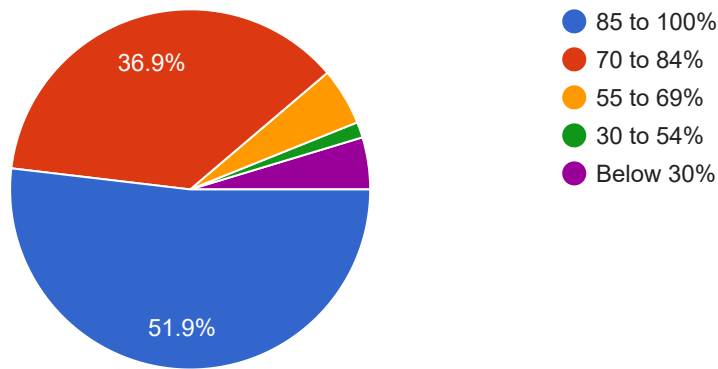# Students

3) Name of the degree program

Copy

214 responses

B.Tech Bioengineering — 159 (74.3%)

Int M.Tech Bioengineering — 55 (25.7%)

M.Tech Environmental Bioengineering — 0 (0%)

4) How much of the syllabus was covered?

Copy

214 responses

- 85 to 100%
- 70 to 84%
- 55 to 69%
- 30 to 54%
- Below 30%

36.9%

51.9%

5) How well did the teachers prepare for the classes?

Copy

214 responses

- Thoroughly
- Satisfactorily
- Poorly
- Indifferently
- Won't teach at all

70.1%

27.1%
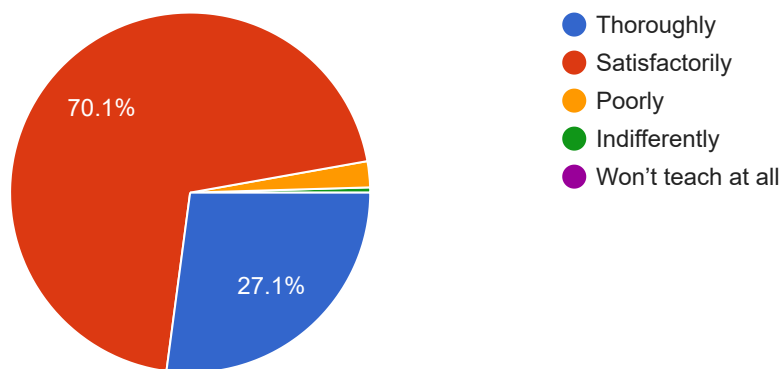
6) How well were the teachers able to communicate?

Copy

214 responses

- Always effective
- Sometimes effective
- Just satisfactorily
- Generally ineffective
- Very poor communication

43.9% 14.5% 39.7%
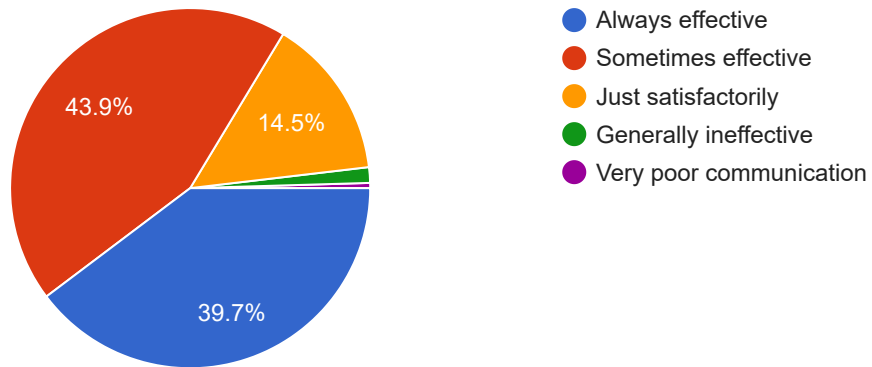
7) The teacher's approach to teaching can best be described as.

Copy

214 responses

- Excellent
- Very good
- Good
- Fair
- Poor

22.9% 53.3% 20.1%
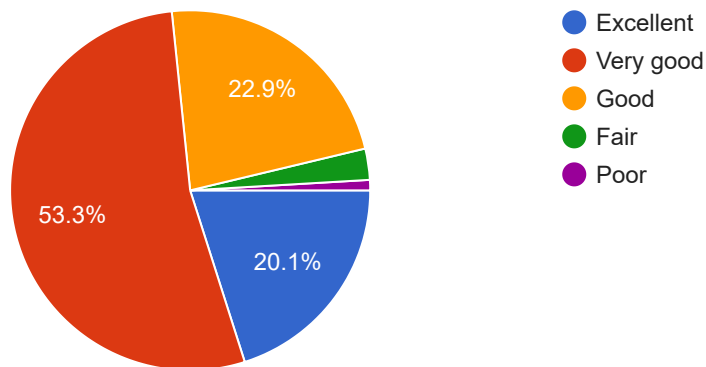
8) Fairness of the internal evaluation process by the teachers.

Copy

214 responses

- Always fair
- Usually fair
- Sometimes unfair
- Usually unfair
- Unfair

45.8% 7.9% 44.9%
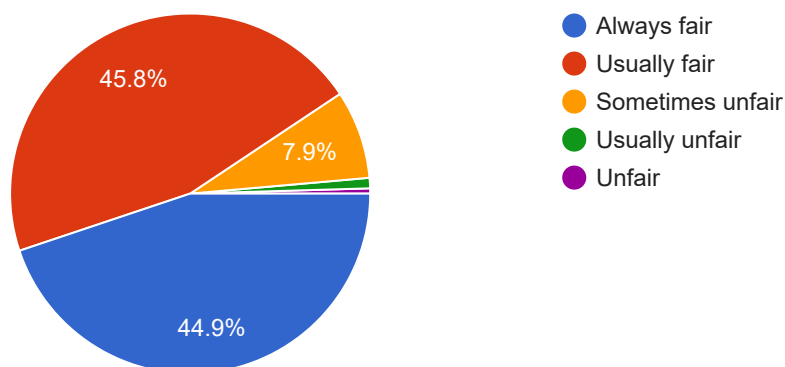
9) Was your performance in assignments discussed with you?

Copy

214 responses

- Every time
- Usually
- Occasionally/Sometimes
- Rarely
- Never

22%
13.1%
45.3%
15.9%
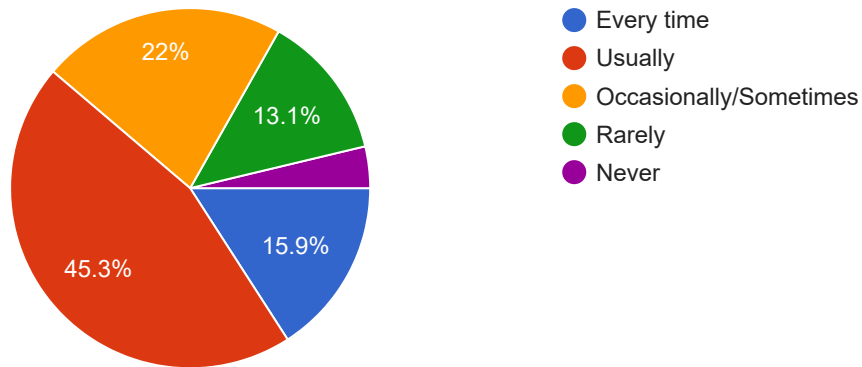
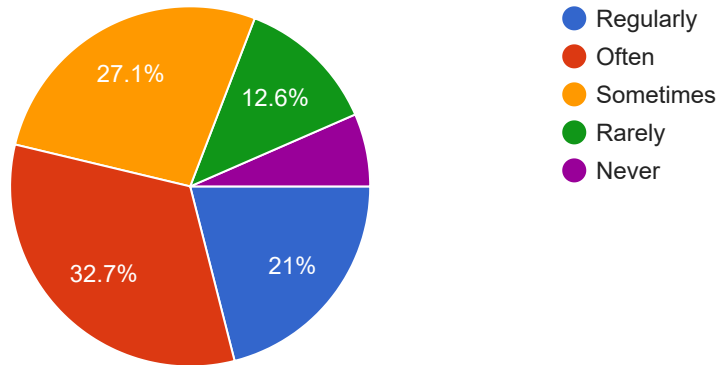## 10)The institute takes active interest in promoting internship, workshops, field visit opportunities for students.

Copy

214 responses

- Regularly
- Often
- Sometimes
- Rarely
- Never

27.1%
12.6%
32.7%
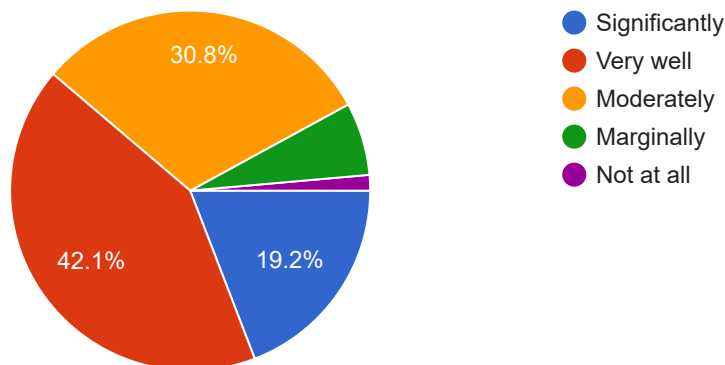21%

11) The teaching and mentoring process in your institution facilitates you in cognitive, social and emotional growth

Copy

214 responses

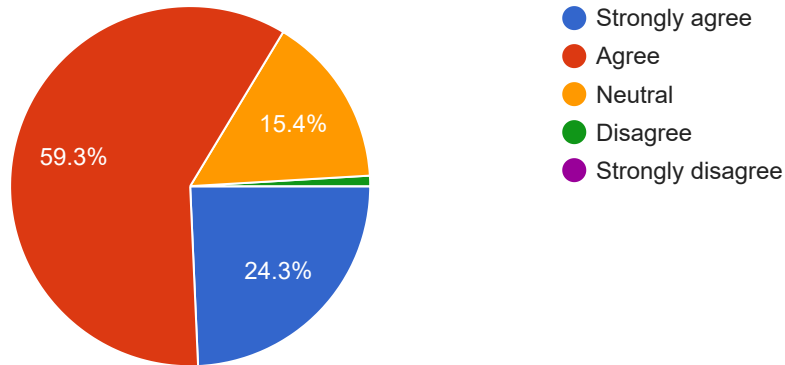- Significantly
- Very well
- Moderately
- Marginally
- Not at all

30.8%
42.1%
19.2%

12) The institution provides multiple opportunities to learn and grow.

Copy

214 responses

- Strongly agree
- Agree
- Neutral
- Disagree
- Strongly disagree

59.3%
15.4%
24.3%

13) Teachers inform you about your expected competencies, course outcomes and programme outcomes

Copy

214 responses

- Every time
- Usually
- Occasionally/Sometimes
- Rarely
- Never

44.4%
19.6%
31.3%
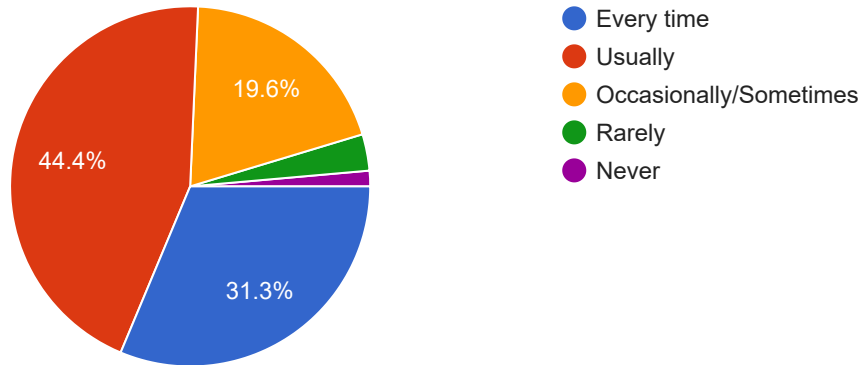
14) Your mentor does a necessary follow-up with an assigned task to you

Copy

214 responses

- Every time
- Usually
- Occasionally/Sometimes
- Rarely
- I don't have a mentor

43.9%
17.3%
30.8%
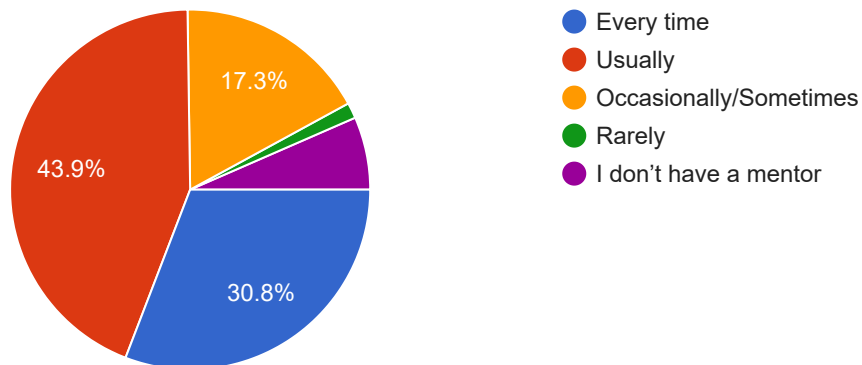
15) The teachers illustrate the concepts through examples and applications.

Copy

214 responses

- Every time
- Usually
- Sometimes
- Rarely
- Never

47.2%
11.7%
39.7%
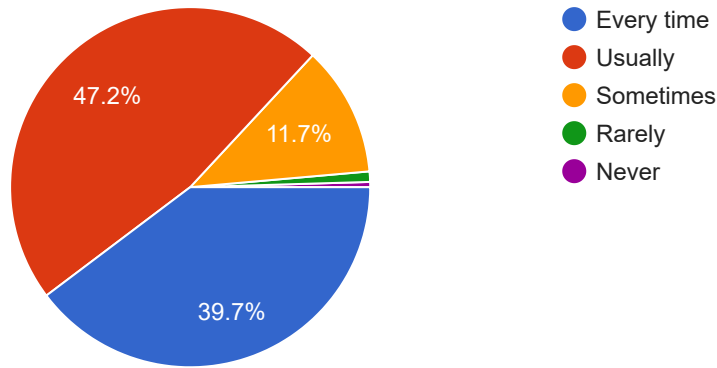
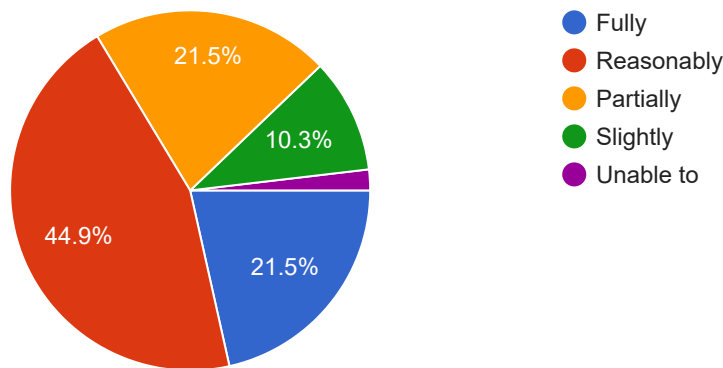## 16) The teachers identify your strengths and encourage you with providing right level of challenges.

Copy

214 responses

- Fully
- Reasonably
- Partially
- Slightly
- Unable to

21.5%
10.3%
44.9%
21.5%

17) Teachers are able to identify your weaknesses and help you to overcome them.

Copy

214 responses

- Every time
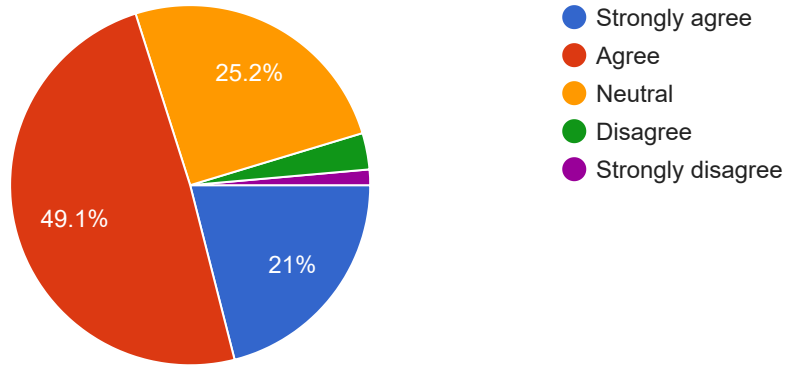- Usually
- Occasionally/Sometimes
- Rarely
- Never

27.1%
39.7%
18.7%
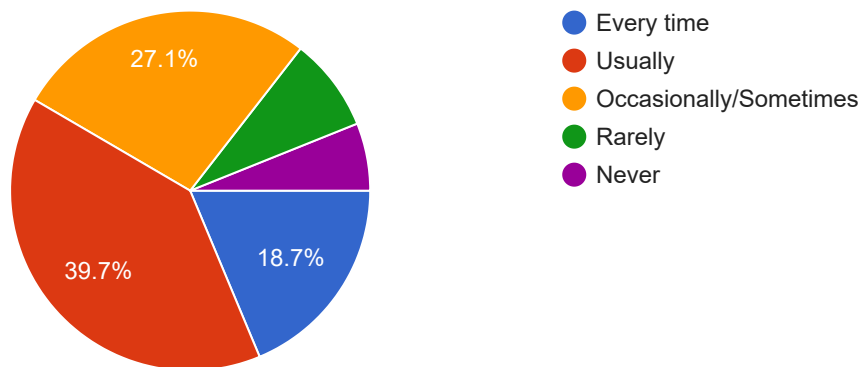
18) The institution makes effort to engage students in the monitoring, review and continuous quality improvement of the teaching learning process.   Copy
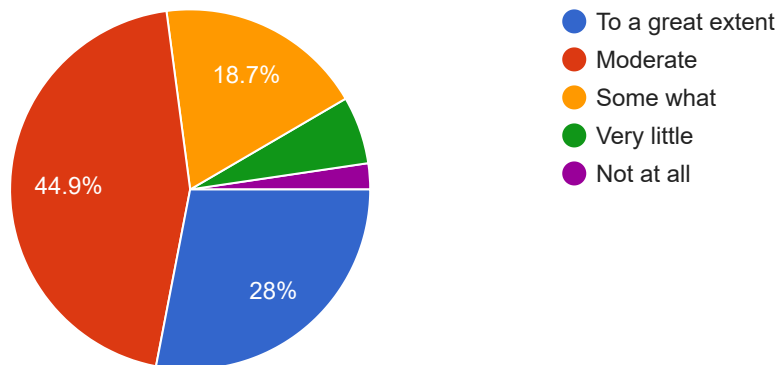
214 responses

- Strongly agree
- Agree
- Neutral
- Disagree
- Strongly disagree

25.2%
49.1%
21%

19) The institute/ teachers use student centric methods, such as experiential learning, participative learning and problem solving methodologies for enhancing learning experiences   Copy
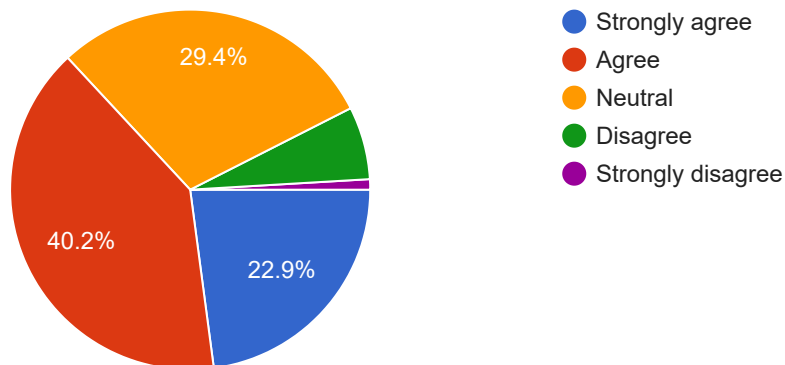
214 responses

- To a great extent
- Moderate
- Some what
- Very little
- Not at all

18.7%
44.9%
28%

20) Teachers encourage you to participate in extracurricular activities.   Copy

214 responses

- Strongly agree
- Agree
- Neutral
- Disagree
- Strongly disagree

29.4%
40.2%
22.9%
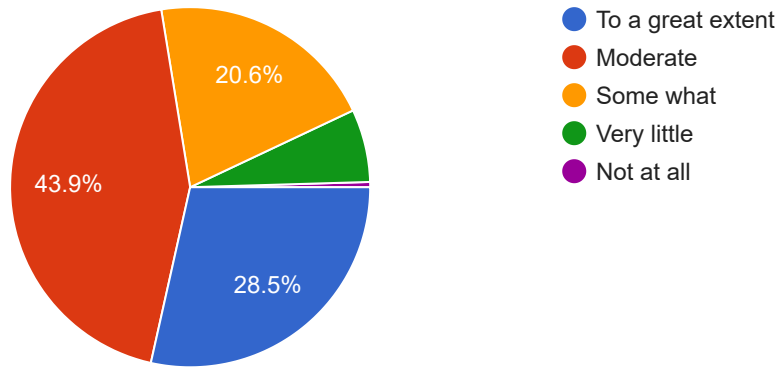
21) Efforts are made by the institute/ teachers to inculcate soft skills, life skills and employability skills to make you ready for the world of work.
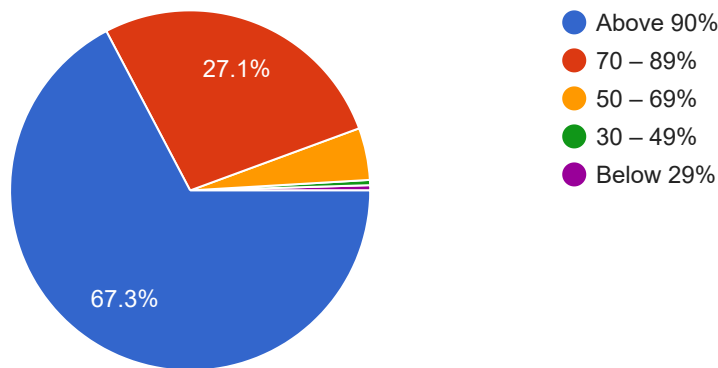
Copy

214 responses

- To a great extent
- Moderate
- Some what
- Very little
- Not at all

20.6%
43.9%
28.5%

22) What percentage of teachers use ICT tools such as LCD projector, Multimedia, etc. while teaching

Copy

214 responses

- Above 90%
- 70 – 89%
- 50 – 69%
- 30 – 49%
- Below 29%

27.1%
67.3%

23) The overall quality of teaching-learning process in your institute is very good.

Copy

214 responses

- Strongly agree
- Agree
- Neutral
- Disagree
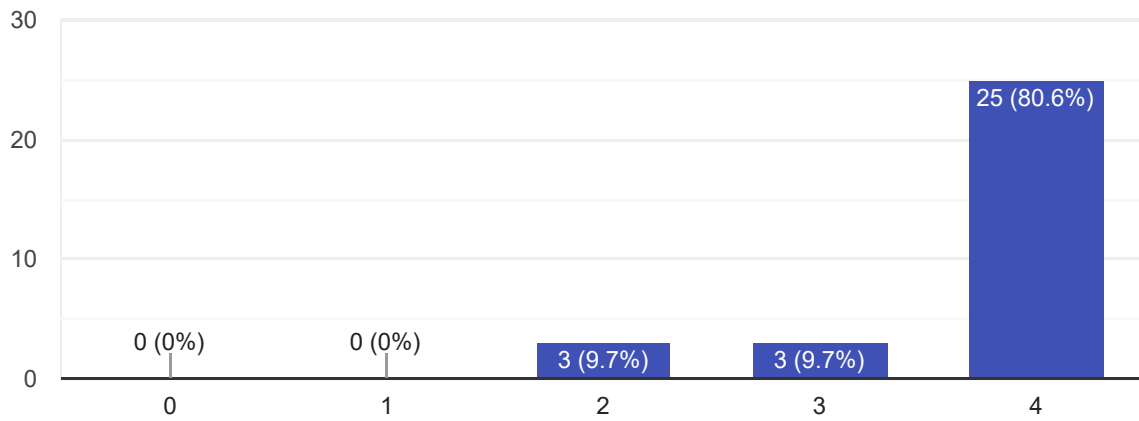- Strongly disagree

21%
56.1%
22%
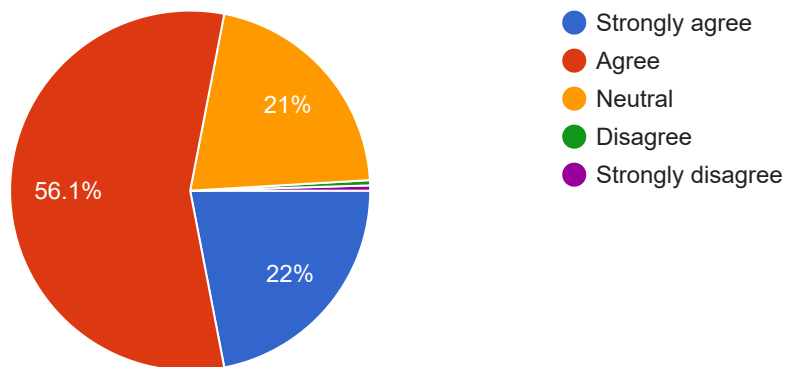
Teachers

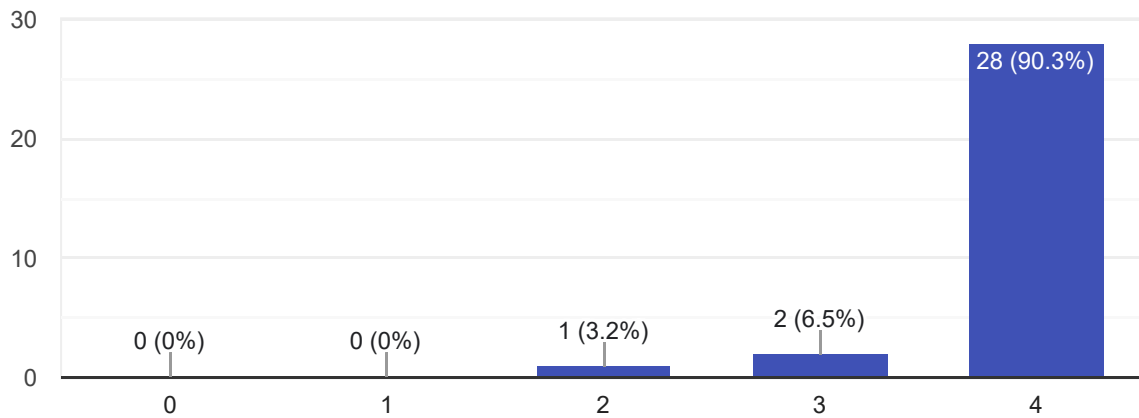## Is the syllabus appropriate for the degree offered

Copy

31 responses

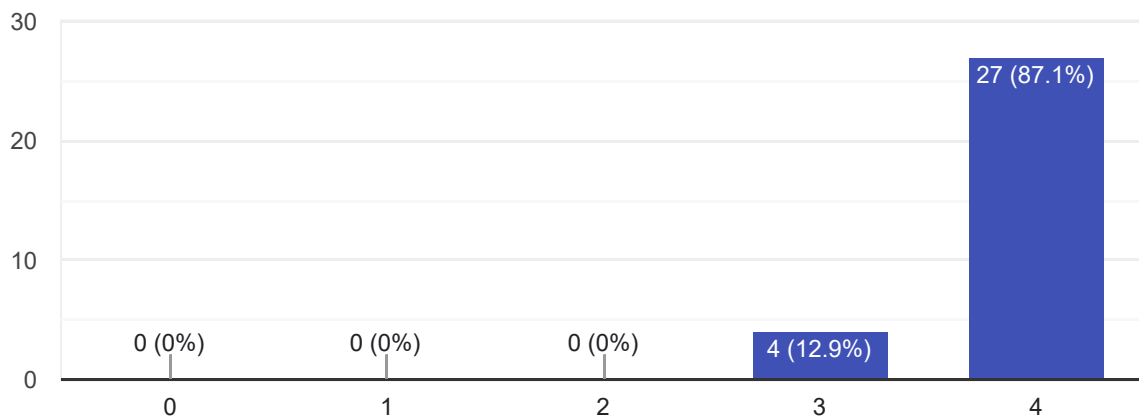## Course out comes (Cos) are well defined

Copy

31 responses

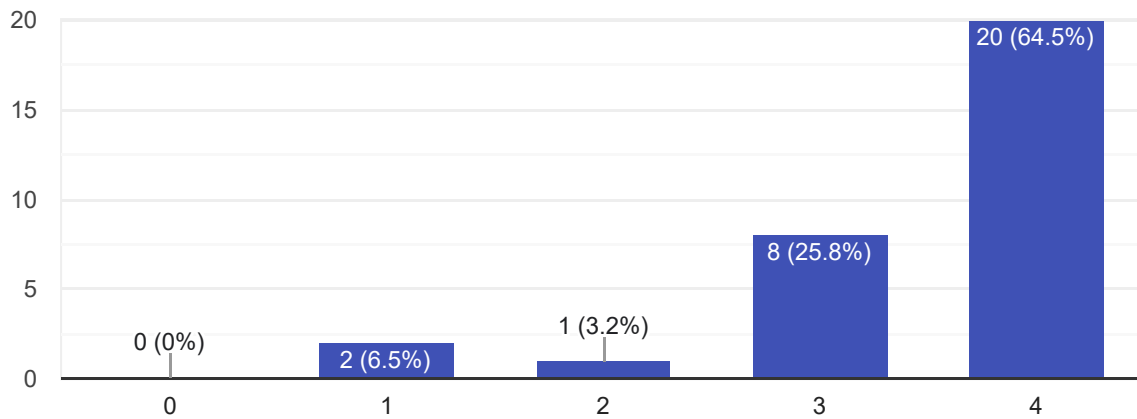## Credits are sufficient

Copy

31 responses

Distribution of syllabus in various Units/modules are appropriate
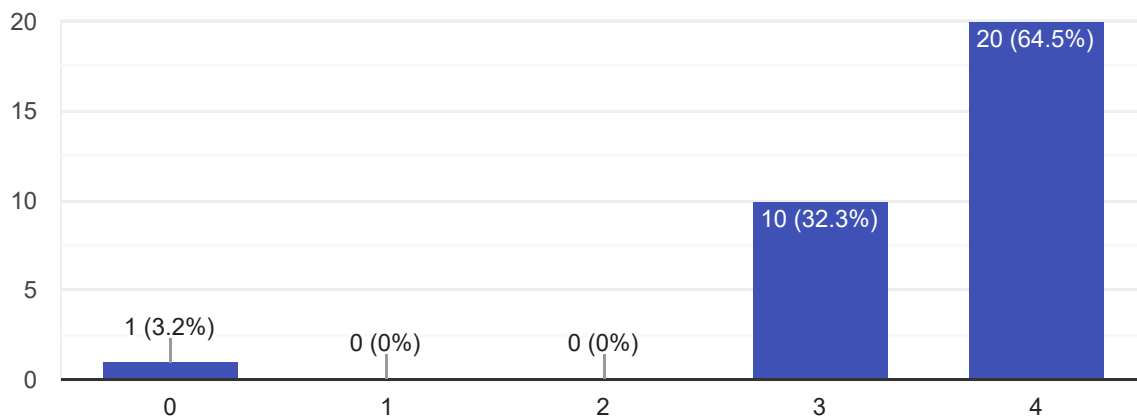
Copy

31 responses

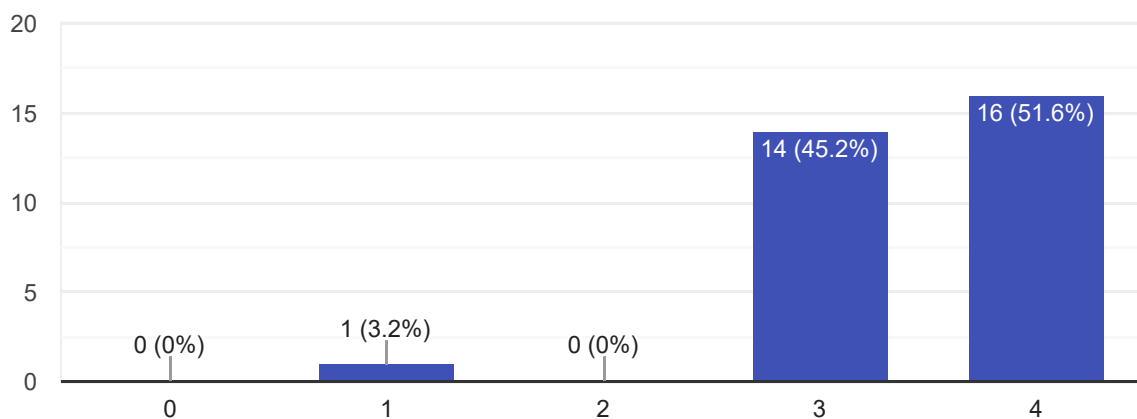## Hours allotted to each unit is reasonable

Copy

31 responses

Students enthusiasm towards the syllabus

Copy

31 responses

Demand of the syllabus in industry
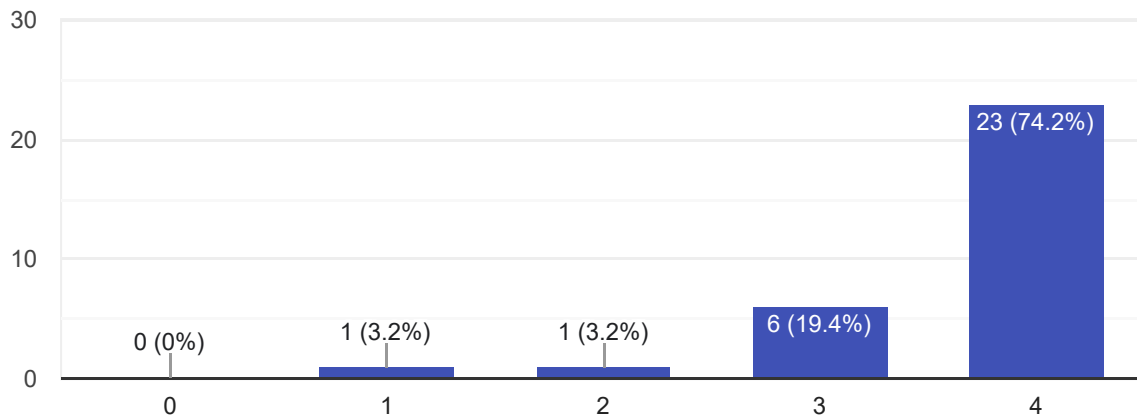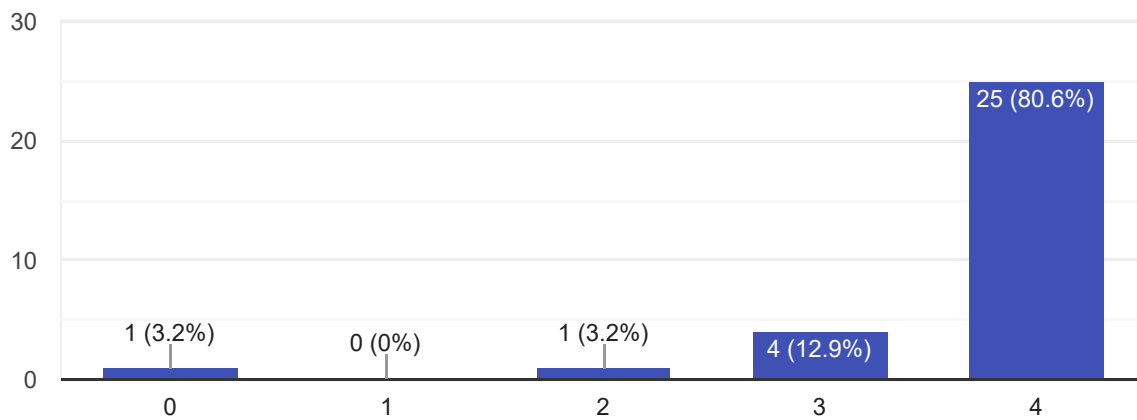
Copy

31 responses

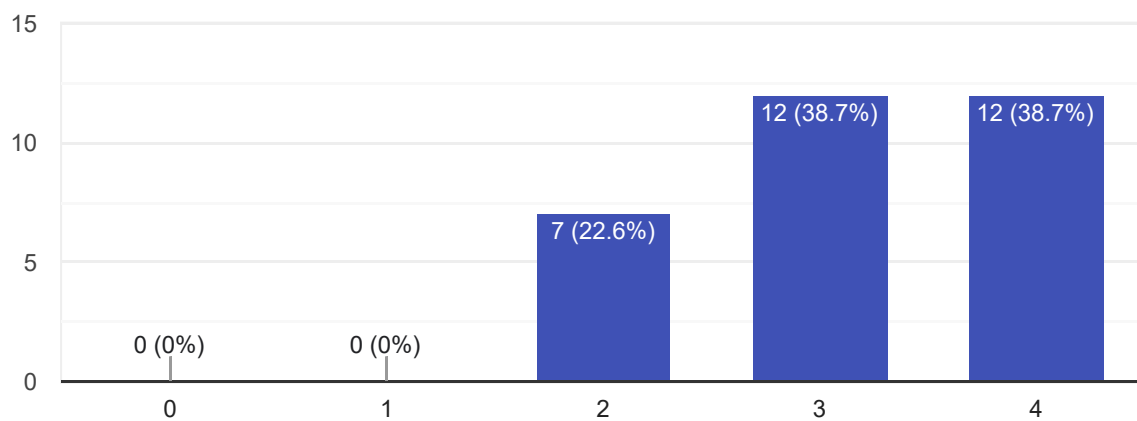## Scope of syllabus for research skill development

Copy

31 responses

Scope of syllabus for entrepreneur

Copy

31 responses

Scope of syllabus for employability

Copy

31 responses
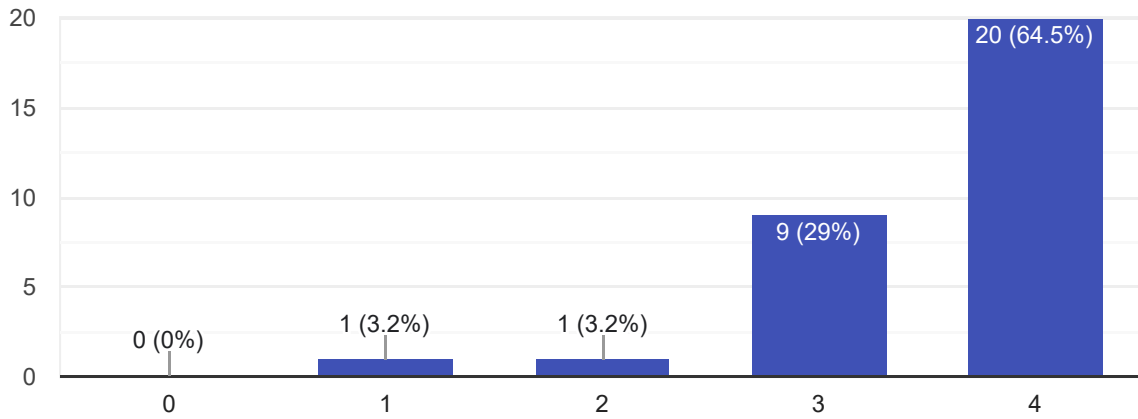
References mentioned in the syllabus are available in the library or in softcopy

Copy

31 responses
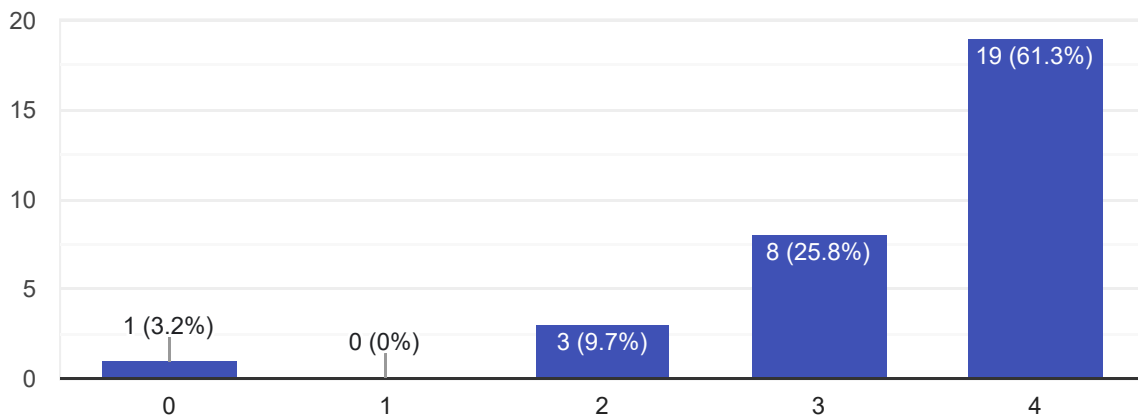
Overall rating of the syllabus

Copy

31 responses

Average Score vs.

Category	Average Score
Is the syllabus	3.7
Course out comes (Cos)	3.87
Credits are sufficient	3.87
Distribution of syllabus in	3.47
Hours allotted to each	3.57
Students enthusiasm	3.43
Demand of the syllabus	3.63
Scope of syllabus for	3.67
Scope of syllabus for	3.13
Scope of syllabus for	3.53
References mentioned in	3.4
Overall rating of the	3.7
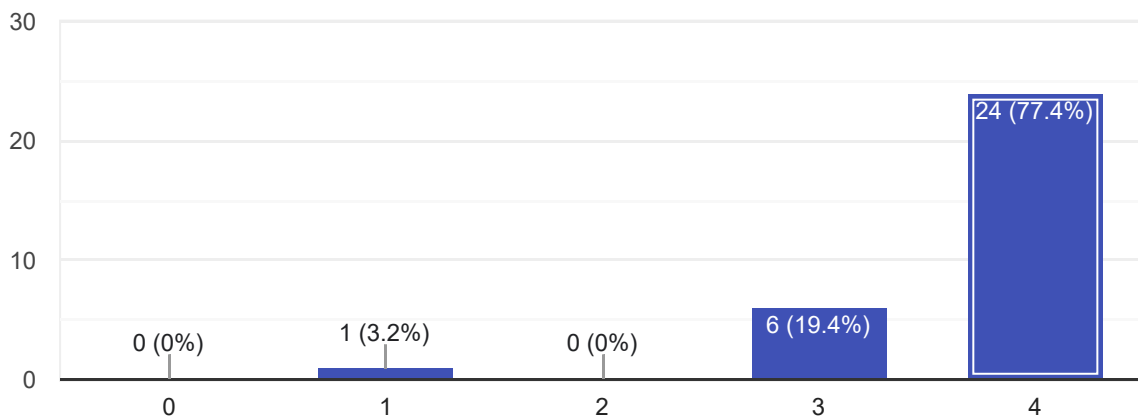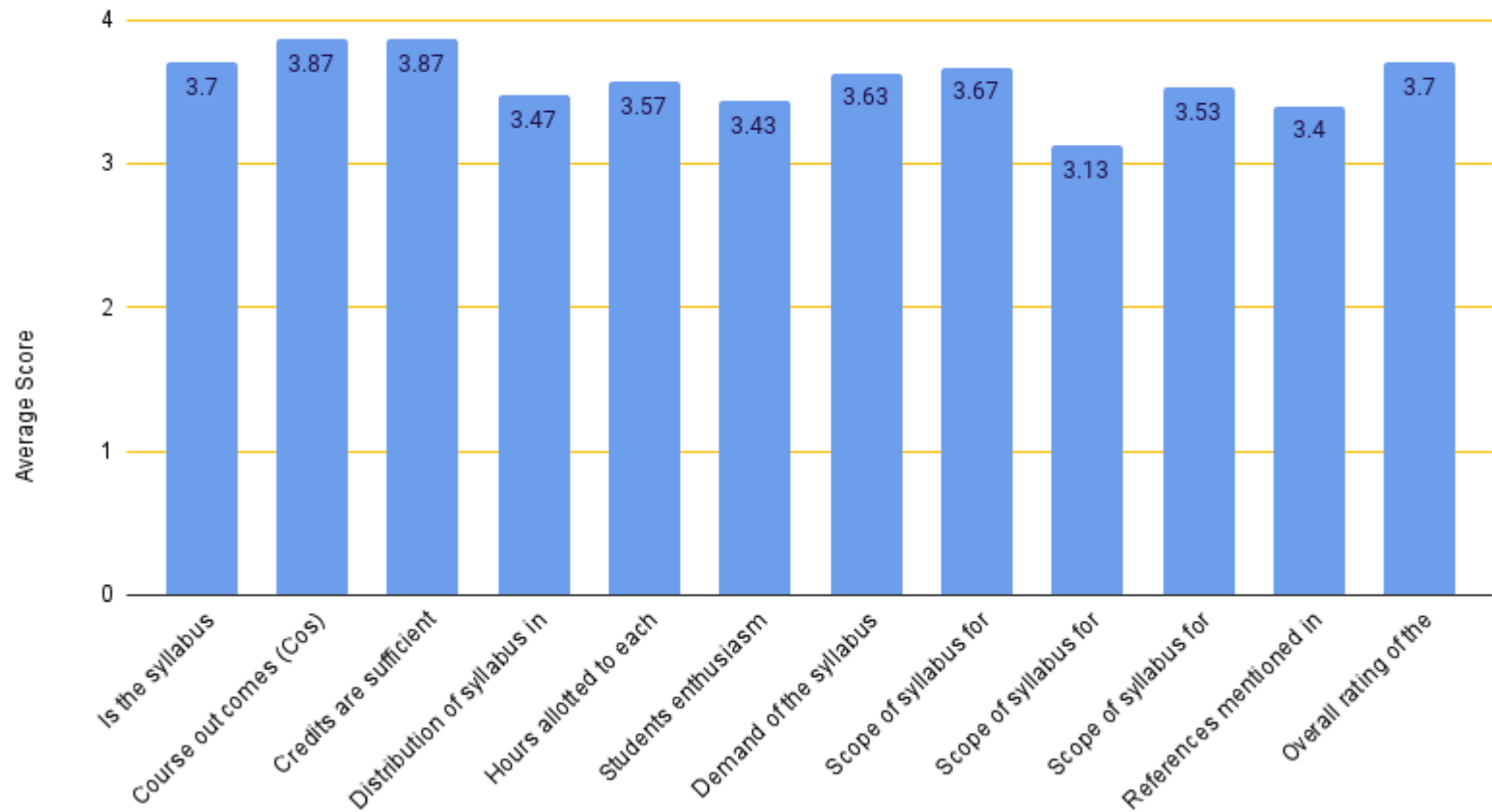
Employers

Curriculum designed as per Industry/ Research institute needs

3 responses

- Disagree
- Neutral
- Agree

33.3%
33.3%
33.3%
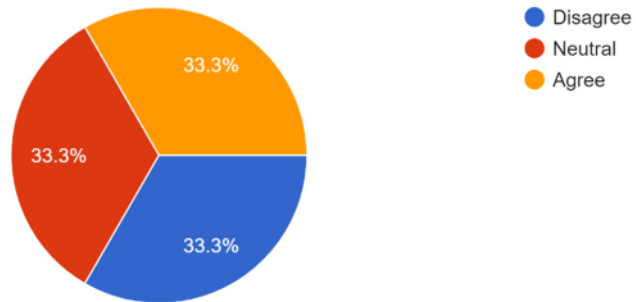
Student learned the basic skills as per your organization requirement

3 responses

- Excellent
- Good
- Fair
- Poor

33.3%
66.7%
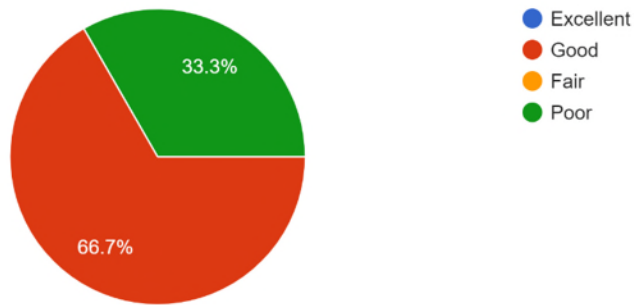
communication skills of the student serving your organization

3 responses

- Excellent
- Good
- Fair
- Poor

33.3%
33.3%
33.3%
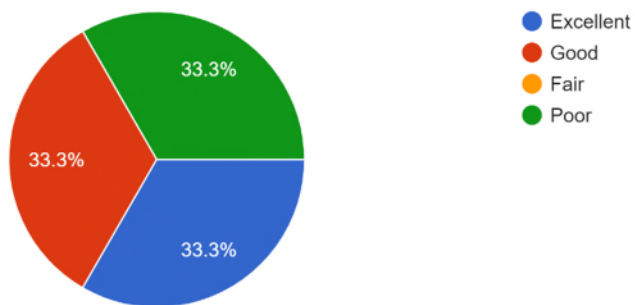
Alumni

1. The syllabus is suitable for the Degree chosen

5 responses

Excellent — 1 (20%)

Good 4 (80%)

Poor 0 (0%)

(x-axis: 0, 1, 2, 3, 4)
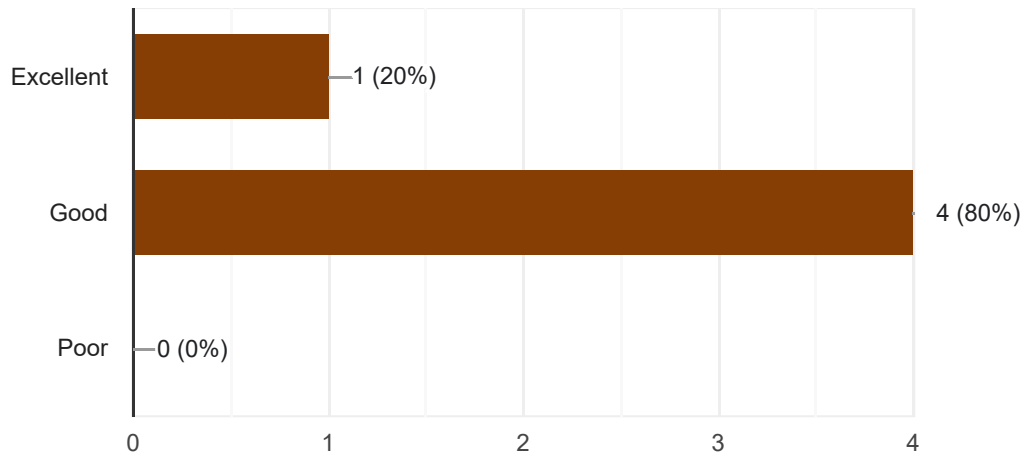
2. Aims and objectives defined in each course are suitable.

5 responses

Excellent — 2 (40%)

Good 3 (60%)

Poor 0 (0%)

(x-axis: 0, 1, 2, 3)
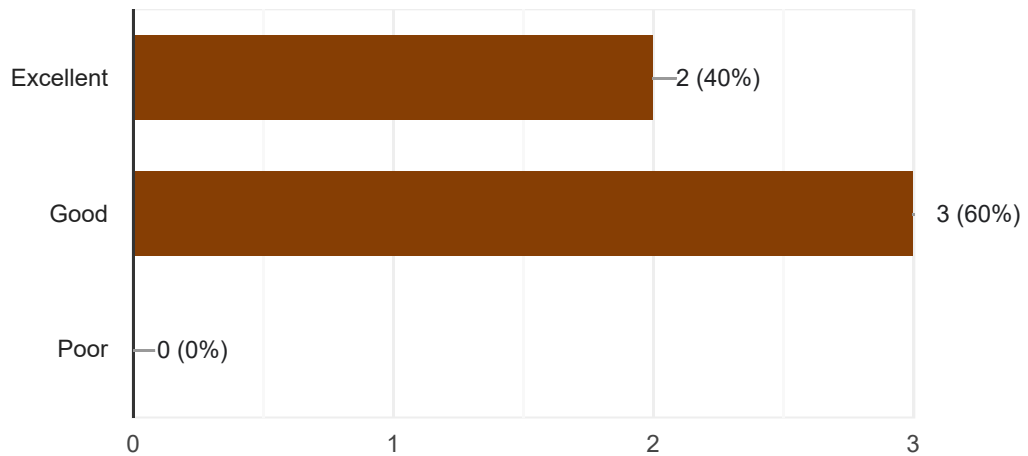
3. Get chance to discuss about topics with subject teacher.

5 responses

Excellent 3 (60%)

Good — 1 (20%)

Poor — 1 (20%)

(x-axis: 0, 1, 2, 3)
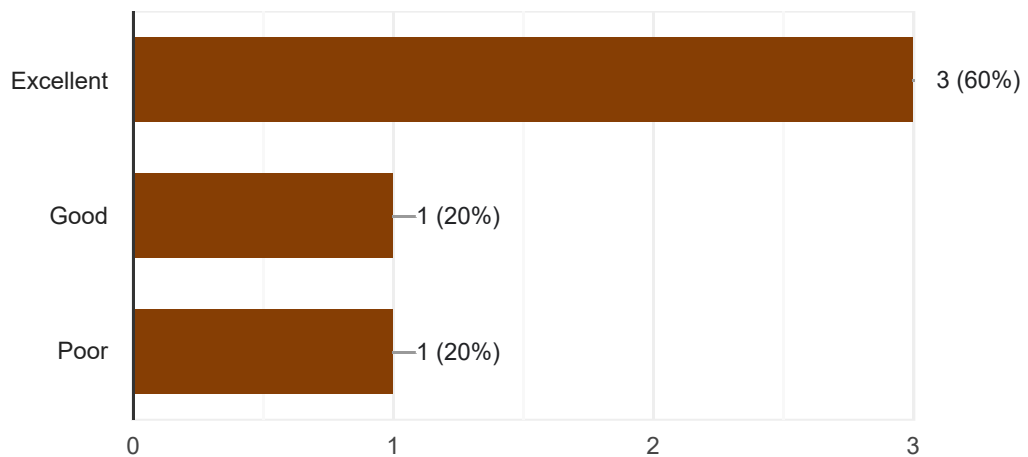
4. You get opportunity to participate and conduct practicals as per syllabus   Copy

5 responses

Excellent	2 (40%)
Good	2 (40%)
Poor	1 (20%)

0   1   2
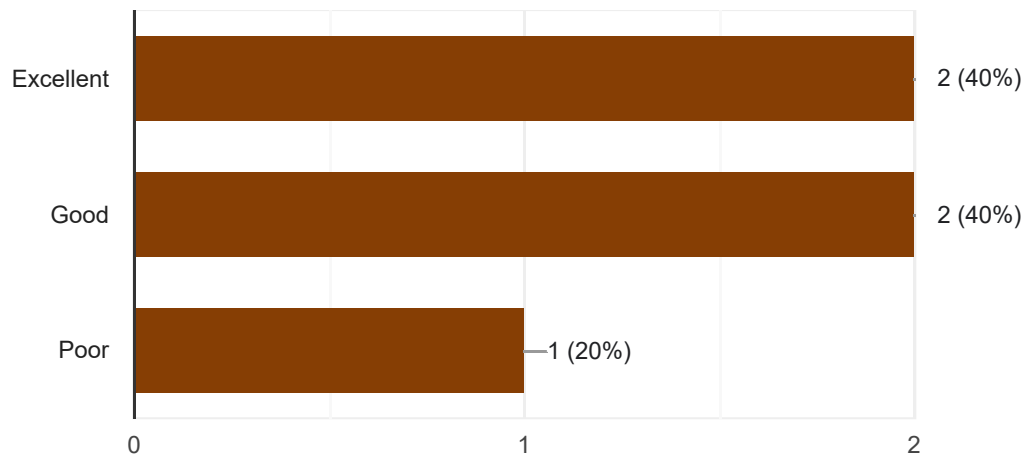
5. Opportunity to do in house projects   Copy

5 responses

Excellent	2 (40%)
Good	2 (40%)
Poor	1 (20%)

0   1   2
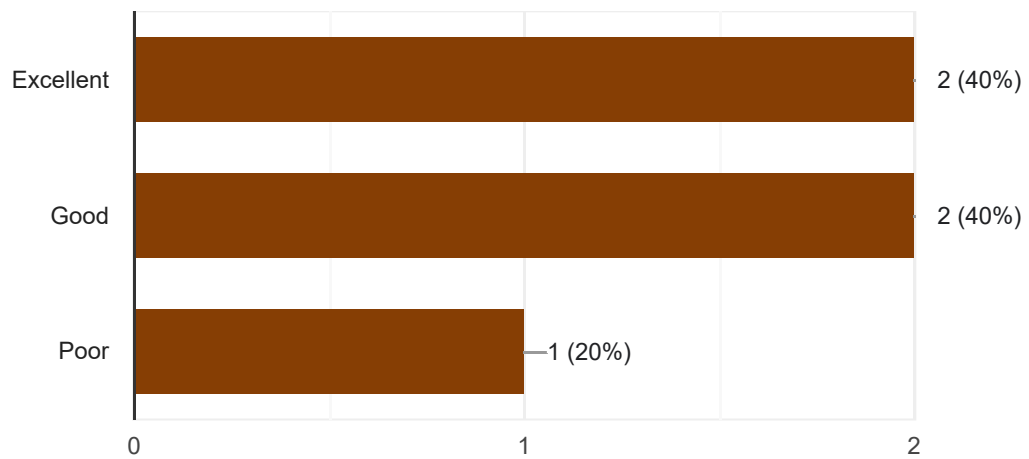
6. Scope of skill development/ Entrepreneurship/personality development   Copy

5 responses

Excellent	1 (20%)
Good	3 (60%)
Poor	1 (20%)

0   1   2   3
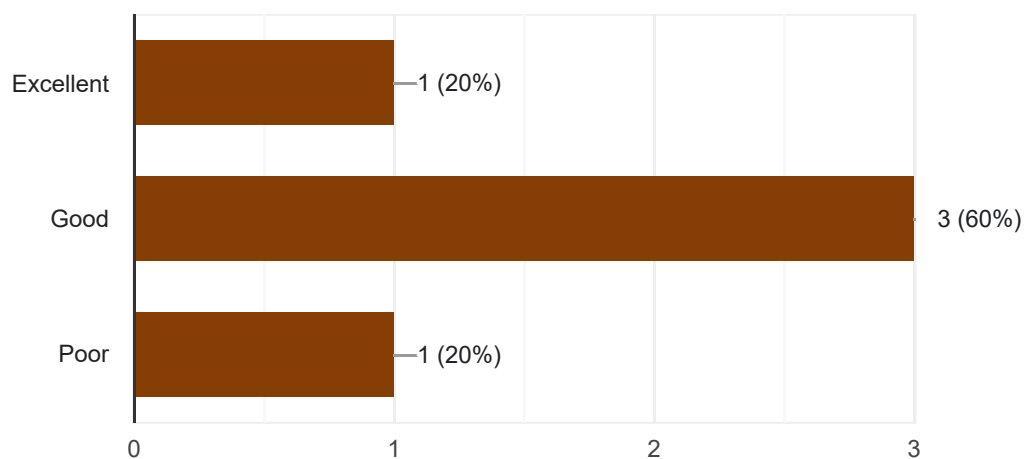
7. Syllabus is updated as per nation/international needs

Copy

5 responses

Rating	Count
Excellent	2 (40%)
Good	3 (60%)
Poor	0 (0%)
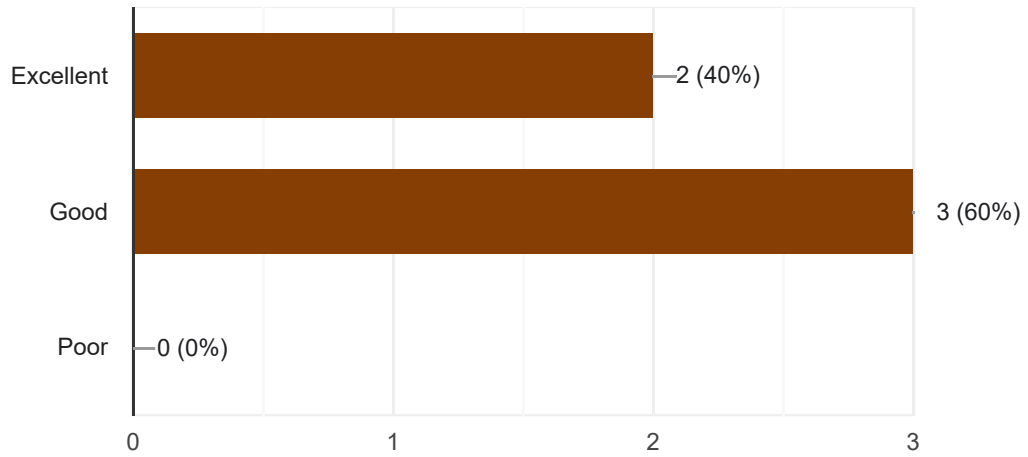
8. Syllabus updation as per industry needs

Copy

5 responses

Rating	Count
Excellent	2 (40%)
Good	2 (40%)
Poor	1 (20%)
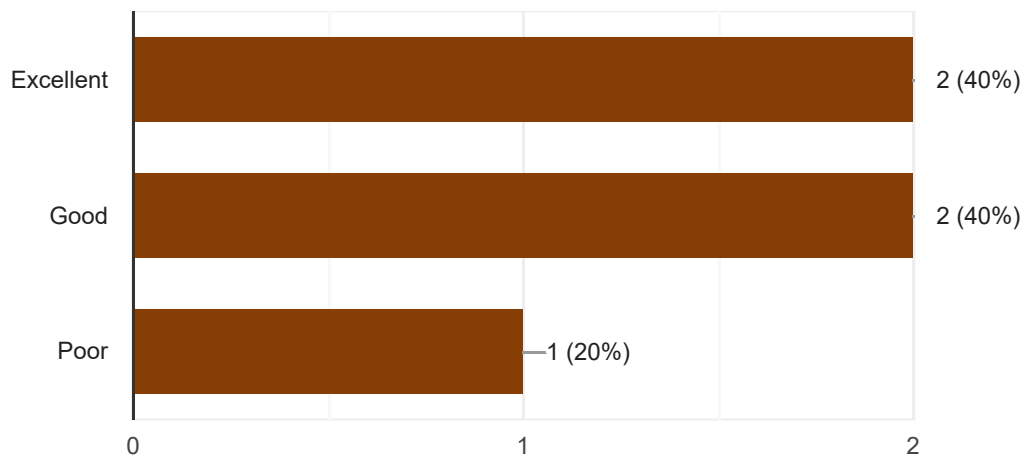
9. Overall rating on syllabus

Copy

5 responses

Rating	Count
Excellent	3 (60%)
Good	2 (40%)
Poor	0 (0%)
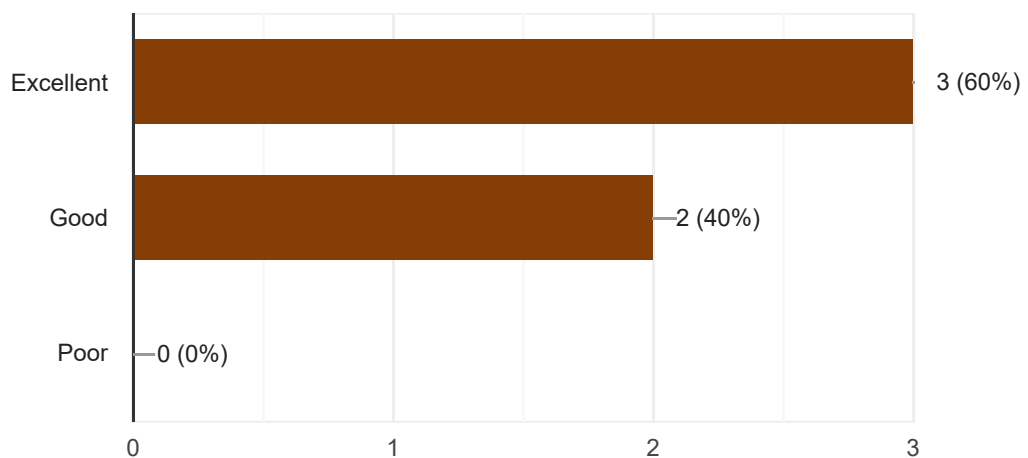
1. Comparison of Feedback of different Stakeholders

There are various points in the feedback collected from stakeholders like Students, Employees and alumni. Rate out of 4

S.No	Description	Students	Teachers	Employer	Alumni
1	Overall Rating	3.2	3.6	3.2	3.8

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

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

1. Curriculum to increase more practicals as well as to increase equipments /instruments and infrastructure for accommodating large number of students in lab.
2. More remedial classes to be conducted for slow learners and individual practical expose is required in labs.
3. To reduce the time to write up the practical journals
4. It should be focusing mainly on the application that is used in Biotech Field, use of any coding language in Future aspects Biotechnology/Biomedical/Bioinformatics.
5. Application based Teaching and Frequently visit to industry and Educational field trip to be increased

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

The feedback is collected from various stakeholders and analysed. Later, a faculty meeting was organized to incorporate the modification of syllabus with consultation of subject teachers. As per feedback from students, more instruments and equipments to be purchased as per batch size. The syllabus was revised and included more practicals. The modified syllabus was got approved from 12th BOS meeting.

3. MoM of BoS on Feedback
The feedback was discussed in the 12th BoS with item agenda _ (BoS/2023-24/01)- 07: Feedback report IQAC

4. Action Taken and Improvement or Enrichment in the Curriculum

The stakeholders feedback will be taken into consideration to improve the curriculum in upcoming Faculty meetings, BOS and Academic Council.

5. 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 modified and approved syllabus will be implemented from the academic year 2024-25 in the school.